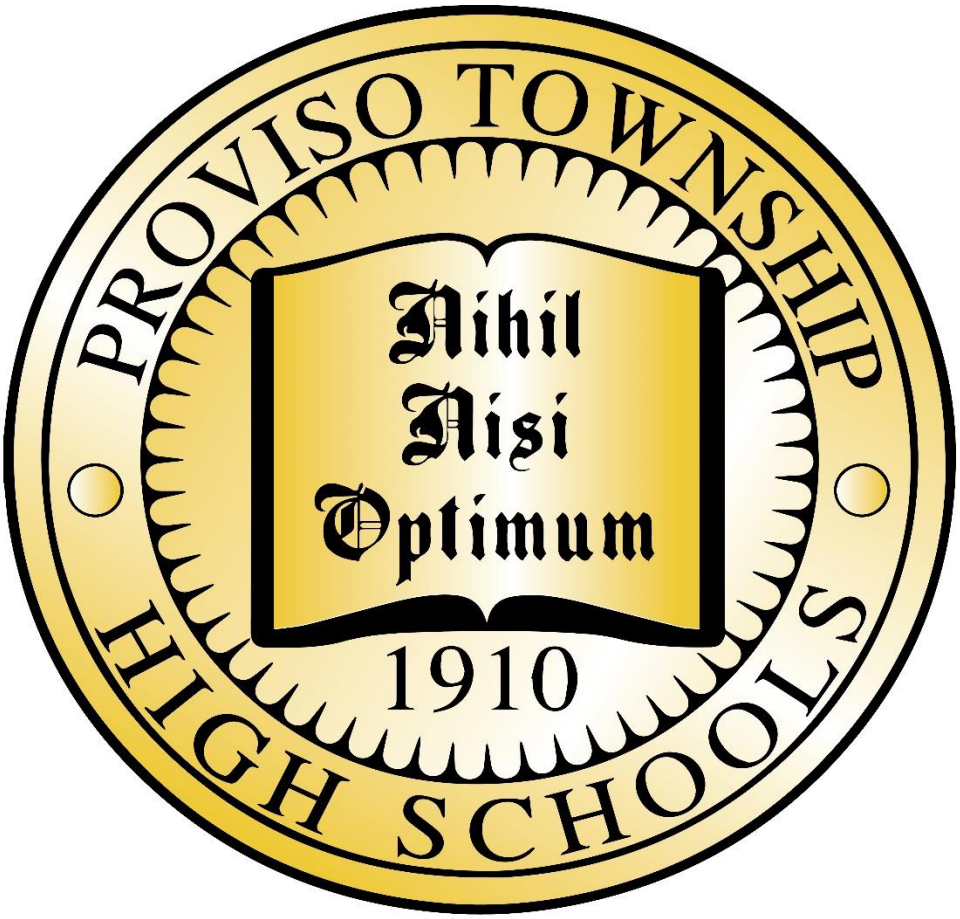
CURRICULUM HANDBOOK
2019 - 2020



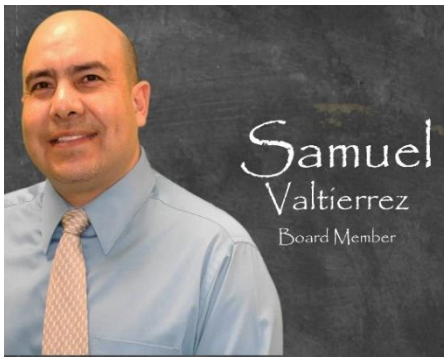
"Nothing But The Best"

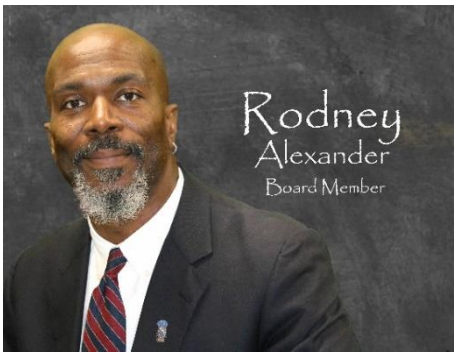
PROVISO TOWNSHIP HIGH SCHOOLS
DISTRICT 209

ONE TEAM, ONE GOAL, ONE PROVISO

Proviso Township High Schools District 209

Board of Education & Superintendent





Ned Wagner
Board President

Jesse J. Rodriguez, Ph.D.
Superintendent

ONE TEAM, ONE GOAL, ONE PROVISO

Proviso Township High Schools District 209

Proviso East High School
807 S. First Avenue
Maywood, IL 60152

Dr. Patrick Hardy, Principal
708-202-1611

Proviso West High School
4701 W. Harrison Street
Hillside, IL 60162

Dr. Nia Abdullah, Principal
708-202-6311

Proviso Math & Science Academy
8601 W. Roosevelt Rd
Forest Park, IL 60130

Dr. Bessie Karvelas, Principal
708-275-4168

Central Administration

Dr. Jesse Rodriguez, ***Superintendent of Schools***
Dr. Anthony Brazouski, ***Assistant Superintendent for Human Resources, Safety and Athletics***
Dr. Nicole N. Howard, ***Assistant Superintendent of Academics and Family Services***
Paul C. Starck-King, ***Assistant Superintendent of Finance and Operations /CSBO***
Dr. Greta Mitchell Williams, ***Director of Curriculum, Assessment, and Program Evaluation***
Tracy Avant-Bey, ***Director of Technology***
Dan Johnson, ***Director of Student and Family Services***
Sharon Palmer, ***Director of Accounting***
Vanessa Schmitt, ***Director of Specialized Services***
Dr. Jeremy Burnham, ***Manager of English Language Learners and World Languages***
Antoinette Rayburn, ***Manager of Career Readiness and Student Programs***
Cynthia Moreno, ***Community and Public Relations Coordinator***

ONE TEAM, ONE GOAL, ONE PROVISO

Contents

MESSAGE FROM THE SUPERINTENDENT

Dear **ONE** Proviso **TEAM**,

We look forward to the exciting year of education planned at D209 for the 2019-2020 school year. We are committed to providing a rich academic education to all students by offering a broad range of courses to pursue global readiness. PTHS D209's rigorous standards-based curriculum and school-wide expected learning outcomes are designed to build upon the basic concepts and skills, as well as to stimulate challenging learning, so that students are prepared for college, careers and to serve as contributing members of a dynamic global society.

The Curriculum Handbook is designed to help students and parents gather the necessary information for making critical selections to complete their academic learning plans. The district believes in providing the highest quality education, where learning, leadership, service, and research-based practices ensure equitable and meaningful opportunities for all students. Therefore, vigilant study of this handbook will provide course descriptions of both required and elective classes, as well as requirements for high school graduation, college entrance requirements and career preparation. The idea centers on providing all stakeholders with a foundation aligned to the following guiding principles: Equity, Empowerment and Excellence.

We have embraced **ONE GOAL**: to transform Proviso. We have seen substantial support for our educational plan through the establishment of the district's mission, vision, core beliefs, and goals. Our efforts for D209 remain aggressive with a collaborative yet results-oriented spirit. We believe that as **ONE PROVISO**, we will offer all students a quality education that maximizes their full potential.

We are looking forward to establishing Proviso's pathways to success and the hard work on curriculum by our professional staff will increase academic achievement for all students.

Sincerey,

Jesse J. Rodriguez, Ph.D.
Superintendent

Nicole N. Howard, Ed.D.
Assistant Superintendent
Academics & Family Services

ONE TEAM, ONE GOAL, ONE PROVISO

ONE TEAM, ONE GOAL, ONE PROVISO.

MISSION

To provide the highest quality education, where learning, leadership, service, and research-based practices ensure equitable and meaningful opportunities for all students.

VISION

Through expectations of excellence and by providing equitable educational opportunities to empower each student, our graduates are prepared for college, careers and to serve as contributing members of a dynamic global society.

GOALS

ENHANCE ACADEMIC ACHIEVEMENT

EMPOWER STUDENTS, FAMILIES, AND COMMUNITIES

ENSURE EFFECTIVE AND EFFICIENT OPERATIONS

GRADUATION REQUIREMENTS

The Board of Education determines high school graduation requirements that will provide each student ample opportunity to achieve the purpose for which the School District exists and that meet the minimum graduation requirements contained in State law. Unless otherwise exempted, each student must successfully accomplish the following in order to graduate from high school:

- Complete all District graduation and course requirements that are in addition to the State requirements.
- Complete all courses as provided in The School Code, 105 ILCS 5/27-22, according to the year in which a student entered the 9th grade.
- Complete all minimum requirements for graduation as specified by Illinois State Board of Education rule, 23 Ill. Admin.Code § 1.440.
- Pass an examination on patriotism and principles of representative government, proper use of the flag, methods of voting, and the Pledge of Allegiance.

Proviso East and Proviso West

Twenty-Two (22) credits are required for graduation from Proviso East and Proviso West High Schools. In addition, students must complete 40 hours of community service.

Subjects	Credits Required for Graduation
English	4
Mathematics *Integrated Math 1 and Integrated Math 2 are required*	3
Science	3
Social Studies *U.S. History and Civics are required. Students must pass the Constitution Test*	3
Physical Education and Wellness *Health Education required*	4
Consumer Education *This graduation requirement may be satisfied by a number of courses*	0.5
World Language, Fine Arts, and/or Applied Sciences/Tech *(2 yrs of World Language recommended for college bound, NCAA)*	1
Electives	3.5
Total	**22 credits**
Community Service	40 hours

Proviso East High School

Beginning with the Class of 2022, Proviso East will implement a competency-based system of learning. In lieu of traditional coursework leading to twenty-two (22) credits, students will engage in a sequence of educational learning experiences that:

1. Promote mastery of explicit, transferable, and measurable learning objectives
2. Meet the content requirements identified in the Illinois State Board of Education Rule 23 Ill.Admin.Code §1.440
3. Provide opportunity to obtain post-secondary credit and career-related credentials
4. Extend learning beyond the classroom
5. Explore and develop their own passions and interests
6. Promote student-agency

These educational/learning experiences will comprise fifteen (15) Graduation Competencies that must be mastered to receive a diploma. The Graduation Competencies are divided into two categories and are listed below.

Content Area Competencies	**Independent Research**
	Problem Solving
	Interpretation and Prediction
	Text Analysis
	Expression of Ideas
	Mathematical reasoning
	Scientific Reasoning
	Culture & Diversity
Adaptive Competencies	**Collaboration**
	Innovation
	Communication
	Life and Social Skills
	Personal Mindset
	Post-Secondary Planning
	Technology Skills

Details and procedures for demonstrating mastery of the competencies are included in the Proviso East Student/Parent Handbook published at the beginning of each school year.

Proviso Math and Science Academy

Twenty-five (25) credits are required for graduation from Proviso Math and Science Academy. In addition, each student must complete 40 hours of community service during their high school career.

Subject	Credits Required for Graduation	Graduation with Distinction
English	4	4
Mathematics	5	5
Science	4	4
Social Studies *U.S. History and Civics content are required, Students must also pass the Constitution Test*	3	3
Wellness *Health Education, Drivers Education required*	4	4
World Language	2	2
Fine Arts/Pre-Engineering	2	2
Research	1	3.5 *(Includes Successful Completion of Research Mentorship)*
Total	**25 credits**	**27.5**
Community Service	40 hours	40 hours

ALL COURSES AT PMSA ARE CLASSIFIED AS HONORS, DUAL CREDIT, PRE-IB, IB, AND/OR ADVANCED PLACEMENT, WITH THE EXCEPTION OF CREDIT RECOVERY COURSES.

STUDENT ASSIGNMENT/COURSE LOAD

Students attending Proviso East and Proviso West are assigned six (6) courses per semester.

Students attending Proviso Math and Science Academy are assigned seven (7) courses per semester.

SPECIAL GRADUATION CIRCUMSTANCES

Early Graduation

The Superintendent or designee shall implement procedures for students to graduate early, provided they finish 7 semesters of high school and meet all graduation requirements.

Students with Individualized Education Plans

A student with a disability who has an Individualized Education Plan prescribing special education, transition planning, transition services, or related services beyond the student's 4 years of high school, qualifies for a certificate of completion after the student has completed 4 years of high school. The student is encouraged to participate in the graduation ceremony of his or her high school graduation class. The Superintendent or designee shall provide timely written notice of this requirement to children with disabilities and their parents/guardians.

Veterans of World War II, the Korean Conflict, or the Vietnam Conflict

Upon application, an honorably discharged veteran of World War II, the Korean Conflict, or the Vietnam Conflict will be awarded a diploma, provided that he or she: (I) resided within an area currently within the District at the time he or she left high school, (2) left high school before graduating in order to serve in the U.S. Armed Forces, and (3) has not received a high school diploma or General Educational Development (GED) diploma.

GRADE WEIGHTING

The following weighted grades are in effect in selected courses. The purpose of weighted grades is to enhance the class rank of students who do satisfactory work in the most challenging courses. The weight of individual courses is determined by the points assigned to the grade a student earns in a course.

Proviso's system of grade weighting divides courses into four categories. The nature of these categories, the courses within each category, and the points awarded to grades in each category are explained below.

Category I

This category includes every course whose prerequisite is described in this handbook as "Enrollment in Special Education" or "Placement by staff ". The following points are awarded in this category:

A= 3.5 B = 2.5 C= 1.5 D = .5 F = 0

Category II

This category includes the vast majority of curricular offerings. Fundamentally, these courses are the minimum requirements for entry into college. The following points are awarded to grades in this category:

A= 4.0 B = 3.0 C= 2.0 D = 1.0 F = 0

Category III

This category includes honors courses deemed more challenging due to complexity of academic concepts, accelerated pace of instruction, or advanced level of instruction. The following points are awarded to grades in this category:

A= 5.0 B = 4.0 C= 3.0 D = 1.0 F = 0

Category IV

Advanced Placement Courses are designed to be the equivalent of courses usually taken the first year of college. Students participating in AP courses are strongly encouraged to take the AP examination. Colleges and universities will award college credit if specified minimum scores are achieved on the exam. The following points are awarded for this category.

A=5.5 B = 4.5 C= 3.5 D = 1.5 F = 0

ACADEMIC OPPORTUNITIES

Proviso East and Proviso West College and Career Academies

The model of College and Career Academies in high schools involves creating small learning communities within the school. It incorporates several innovative features, including a family-like atmosphere, college preparation and real-world experiences with local businesses and professionals.

At both Proviso East and Proviso West, there is a Freshman Academy in place as a support academy. In addition, there are three academies at each school that has a subset of teachers and academy team that work together with a subset of students for a three-year span. Each academy has a career theme, shows students links between their academic subjects and this theme, and involves employers and higher education institutions in preparing students for college and a career.

At Proviso East, the three College and Career Readiness Academies are: Arts & Communication (ACA), Business & Human Services (BHS), and Science, Technology, Engineering, and Math (STEM). At Proviso West, the three College and Career Academies are: Wellness & Society (WSA), Technology & Innovation (TIA), and Global Business (GBA).

Academies include:

- Small learning communities
- College preparation that is coordinated with a career focus or theme
- A variety of project-based learning activities, field trips, speakers, mentor program, career exploration, career fairs, internships, and regular monitoring of progress with feedback of students
- Opportunities for AP credit, dual credit, industry certification, endorsements, and licensure

Proviso Math and Science Academy International Baccalaureate Programme

The International Baccalaureate® (IB) Programme encourages personal and academic achievement. Through rigorous student-centered courses based in the IB educational philosophy, students develop international mindedness. IB Learner Profile Students participating in the IB Diploma Programme are eligible to earn an International Baccalaureate Diploma. The IB Diploma Programme takes place over the final two years of a student's high school career (11th and 12th grades). Students may enter the IB Diploma Programme at PMSA in one of two ways:

- Any student who successfully completes the PMSA Pre-IB Program may opt to register as a PMSA IB Diploma Candidate (taking all IB Diploma Courses and fulfilling IB Core Requirements) or as a PMSA IB Certificate Course Candidate (taking 1-3 IB Diploma Courses and/or Core Requirements).
- Sophomore students in good standing may apply for the IB Diploma Programme during their 10th grade year. Informational meetings for students and parents are held each fall to explain the program and the application process.

Opportunities for College Credit and Career Technical Education

Students have the opportunity to earn college credit through several types of coursework. Benefits of earning college credit while still in high school include:

- Better preparedness for college
- Reduction of the number of college classes taken after high school graduation

Advanced Placement (AP)

Advanced Placement is a program created by the College Board which offers college level curricula and examinations to high school students. Students who obtain high scores on the AP exams may be granted college credit from their selected colleges or universities. AP courses offered at Proviso contain "AP" in their titles. Students are expected to take the AP exam.

Dual Credit and Dual Enrollment

Proviso Township High Schools partners with Triton College to offer Dual Enrollment and Dual Credit courses.

Dual Credit

Students earn college **and** high school credit for specific classes taken at Proviso for which the school has an approved Dual Credit agreement. These classes double as high school courses and college courses, and are taught by teachers who are qualified to teach both. The Dual Credit program is open to academically talented students who are currently enrolled in, or are interested in taking, AP (Advanced Placement) courses. Students receive high school credit for the class, and Triton College credit **without ever having to attend Triton!** Courses with a dual credit option are denoted with "DC" next to their titles in this catalog. Students should contact their counselor for information regarding eligibility and registration.

Dual Credit Forms can be found here: https://www.triton.edu/academics/dual-credit/

Dual Enrollment

Talented Juniors and seniors can enroll at Triton and attend classes while still in high school.
Eligible students must

- Complete the Dual Enrollment Application
- Take the ACCUPLACER Assessment
- The assessment can be waived with ACT test scores of 20 in English and Writing and a score of 23 in Math or SAT test scores of 520 in English and 580 in Math. All students planning to enroll in the Nursing Assistant Program must earn a score of 80 in the reading portion of the placement test to qualify.
- Obtain written permission from a high school administrator and a parent or guardian and meet with a College Counselor

International Baccalaureate® (IB)

Students participating in the IB Diploma Programme are eligible to earn an International Baccalaureate Diploma. The IB learner profile describes a broad range of human capacities and responsibilities that go beyond academic success. The IB Diploma Programme takes place over the final two years of a student's high school career (11th and 12th grades). Students who obtain high scores on the IB exams may be granted college credit from their selected colleges or universities. Students must apply for the IB Programme. It is currently offered at PMSA only.

Seal of Biliteracy

The Seal of Biliteracy is a recognition given to graduating senior students who demonstrate high levels of proficiency in English and another language. Students who qualify will meet the entrance requirement of two years of foreign language and may receive up to two years of college credit in modern languages at Illinois public colleges and universities (and many private schools as well). Recipients will also gain a Seal of Biliteracy on their high school diploma and a Seal of Biliteracy notation on their high school transcript. Language scores and testing are used to determine proficiency.

Career and Technical Education (CTE)

CTE is at the forefront of preparing youth to succeed in fast-growing, high-paid jobs in high-growth industries around the country. According to the Bureau of Labor Statistics Occupational Outlook Handbook, many of the fastest-growing jobs through 2024 will be in CTE fields. Many of the highest-paid jobs are also in fields for which CTE prepares students, including engineering, technology, health care, energy, architecture, IT and marketing. Proviso Township currently provides instruction for careers in high-wage, high-skill, and high-demand occupations in the areas of IT, Business, Human Development, Culinary Arts, Industrial Technology and Engineering. CTE programs strengthen students' technical skills; articulate transitions to postsecondary programs, employment or both; assist in meeting the Illinois Learning Standards; and close achievement gaps. These programs are instrumental in supporting student success and promoting continuous improvement.

STUDENT RESOURCES AND SERVICES

College and Career Centers

The Proviso schools each have a College and Career Center (CCC) to assist students in preparing for their lives after graduation. Counselors use a variety of assessments and resources to help students identify their career interests and learning styles. All students will complete a variety of interest, career, and learning style inventories during their time in high school. Based on the results of these inventories, students will have a clearer sense of how they must prepare in high school and in postsecondary training to meet their career goals. Naviance is one of the online tools for students to research colleges and careers. The centers are equipped with computers, Internet access, software programs, and print career resources. Students can learn more from their respective counselor and/or the College and Career Counselor.

The Libraries

The Proviso High School District libraries feature resources for study and research which support the informational needs of students and faculty. Through the online catalog, students can access print, digital and audio books for pleasure reading and study. Resources for research include several subscription databases which provide access to a wealth of reference, newspaper and magazine articles, videos, and scholarly journals. Students may use the libraries before, during and after-school. The librarians provide support for students and teachers through library orientation, database training, and lessons to support digital literacy.

World Languages and English Learners Programs

In Proviso High School District 209, students who are taking a modern language course for the first time have the option to be tested to determine the best instructional level for their skill in that language. Students who take the placement exam have the potential to enter the language sequence at the next course level up. Language test scores that indicate proficiency at one level will provide student to enroll in the next course level and then receive credit for the previous level course.

Proviso Township High schools also offers programs for students who receive Limited English Proficient services through the English Language Learners program. The Bilingual and EL program is designed to ensure that all students achieve their academic and linguistic potential and to graduate with an emphasis on maximizing their potential for students to contribute in a multicultural, diverse global society. Students who still need educational support after graduating Proviso Township High Schools may attend a transitional program and continue their education. Questions regarding these programs and services can be directed to the building administration of the school your child attends.

Specialized Services

In accordance with federal and state laws and regulations, Proviso Township High Schools provide a variety of programs for students who receive IEP services. The programs offered at Proviso Township High Schools include placement in the least restrictive environment (LRE) for academic and social needs. The staff encompass many aspects of the high school environment including special education staff, speech pathologists, social workers and school psychologists, as well as staff assigned to academic interventions. Additionally, Proviso Township High Schools offer a transitional skills program that emphasizes community training and application of life skills to prepare students for their post-secondary plans.

Student Services

The student services teams at Proviso Township High Schools consist of deans, school counselors, psychologists, and social workers. The student services teams are professional educators with a mental health perspective who understand and respond to the challenges presented by today's diverse student population. They provide proactive leadership that engages all stakeholders in the delivery of programs and services to help the student achieve success in school.

Student services are an integral part of the total educational program. Practitioners align and work with the district's mission to provide opportunities for successful experiences, so that upon graduation, the satisfied student may pursue any avenue of choice.

Today's school counselors are vital members of the Career, Technical and Education team. They help all students in the areas of academic achievement; personal/social development and career development, ensuring today's students become the productive, well-adjusted adults of tomorrow. This mission is accomplished through the design, development, implementation and evaluation of a comprehensive, developmental and systematic school-counseling program. School Counselors guide all students through three parallel paths that lead to one destination: success. Rather than providing a service just to students who need them, school counselors manage comprehensive programs for every student. Students and parents are encouraged to meet regularly with school service personnel as needed.

School social workers use the approach of working with relationships between people and their environment and utilizing prevention strategies and interventions designed to contribute to the overall health of the school environment. Prevention, focusing on the total wellness of the student body, and intervention, targeting those students at risk, are combined to promote a school climate that encourages all students to learn and to develop social competence. Through assessment, crisis intervention, and coordination of community services, school social workers help students, families, and school systems overcome barriers that interfere with learning.

The student services team collaborates within a system to manage student academic, social and environmental success meeting the needs of all children and families in the Proviso Township School District. Student Service professionals specialize in supporting student needs.

WHO	SERVICE	EXAMPLES
SCHOOL COUNSELOR	*The counselors are student advocates. Each Student will be assigned to a counselor. We provide individual and group academic counseling. Student's emotional needs can also be addressed. Students, parents, and guardians should use their counselor as their first point of contact for information. You can call or email your student's counselor for any questions or concerns, and they will be sure to help!*	• Study skills and organization • Personal development • Standardized Assessments • Academic and 4-year planning • College credit opportunities (Dual-Credit, AP, etc.) • Post-secondary options including College, scholarship and career information
DEAN	*Each student will be assigned a dean. Students will see deans for any school rule or code violations.*	• Dress Code • Truancy • Mediation

WHO	SERVICE	EXAMPLES
SOCIAL WORKER	*A student will see a social worker if they are mandated through an IEP or 504 plan. Also, students will see social worker for issues outside of school.*	• As assigned or needed. • Support for emotional needs
PSYCHOLOGIST	*A student will see a psychologist if they need to complete academic or emotional assessments.*	• Screening or testing. • Support for emotional needs

The Extended Learning Opportunities for Students (ELOS)

There is an 8-period schedule at Proviso East and Proviso West. During Period 1 (from 8:00 AM -8:50 AM) on Tuesdays, Wednesdays and Thursdays, students at Proviso East and Proviso West will have the opportunity to participate in a range of ELOS activities which include: engaging in enrichment activities, receiving small-group and individual instruction from teachers, taking make-up exams and completing classwork, meeting with counselors, utilizing computer labs and library resources, and receiving support for math and literacy skills.

Attendance at ELOS is expected of all students. This is time dedicated to help students succeed and/or extend their learning. Students may choose the ELOS activities that best fit their needs, unless they are specifically assigned to sessions to make up work or participate in interventions. Transportation to ELOS will be provided for students who receive bus service.

Multi-Tiered System of Supports (MTSS)

Proviso Township High Schools provides many support systems for students, including Tier 1, Tier 2 and Tier 3 academic supports. Students who are identified as needing additional support outside of the classroom setting, that is not satisfied by help from the teacher, are provided targeted academic interventions to supplement classroom instruction. Many of these opportunities for support are provided during the school day, during ELOS and lunch periods. Academic Interventionists and Instructional Coaches work together to support student learning and classroom instruction.

ACADEMIC DEPARTMENT CONTACTS

Department	Proviso East	Proviso West	Proviso Math and Science Academy
Business	Andre Zabrodsky, azabrodsky@pths209.org	Heather Wickey, hwickey@pths209.org	
CTE	Antoinette Rayburn, District Manager of Career Readiness and Student Programs, arayburn@pths209.org		
Engineering & Technology	Alex Aschoff, aaschoff@pths209.org	Heather Wickey, hwickey@pths209.org	Brian Hesik, bhesik@pths209.org
English	Dr. Patrice Reiger, preiger@pths209.org	Sarah Fromius-Hough, SFromius-Hough@pths209.org	Cristin Chiganos, cchiganos@pths209.org
English Language Learners	Dr. Jeremy Burnham, District Manager of English Language Learners and World Languages, jburnham@pths209.org		
Family and Consumer Science	Tracy McCormick, tmccormick@pths209.org	Wanda Cruz, wcruz@pths209.org	
Fine Arts	Marcia LaPorte, mlaporte@pths209.org	Sarah Fromius-Hough, SFromius-Hough@pths209.org	
Mathematics	Andre Zabrodsky, azabrodsky@pths209.org	Heather Wickey, hwickey@pths209.org	Brian Hesik, bhesik@pths209.org
Music	Marcia LaPorte, mlaporte@pths209.org	Michael Wollney, mwollney@pths209.org	
NJROTC	Commander Darryl Person, dperson@pths209.org	Rosemarie O'Carroll, rocarrol@pths209.org	
Research & Theoretical Studies			Cristin Chiganos, cchiganos@pths209.org
Science	Alex Aschoff, aaschoff@pths209.org	John Jordan, jjordan@pths209.org	Cynthia Morain, cmorain@pths209.org
Social Science	George Bunn, gbunn@pths209.org	Steve Ngo, sngo@pths209.org	Jacquelyn Fabian, jfabian@pths209.org
Special Education		Kent Giardini, kgiardini@pths209.org	
Visual and Performing Arts			Jacquelyn Fabian, jfabian@pths209.org
Wellness/ Physical Education	Tracy McCormick, tmccormick@pths209.org	Michael Wollney, mwollney@pths209.org	Cynthia Morain, cmorain@pths209.org
World Languages	Marcia LaPorte, mlaporte@pths209.org	Wanda Cruz, wcruz@pths209.org	Cristin Chiganos, cchiganos@pths209.org

PROVISO EAST

Quest for Dominance

PROVISO WEST

ENGAGE. PERSIST. ACHIEVE.

COURSE DESCRIPTIONS FOR PROVISO EAST AND PROVISO WEST

PROVISO EAST AND PROVISO WEST

BUSINESS

Course Name	9	10	11	12	Credit	Prerequisite #
Consumer Education	X	X	X	X	0.5	None
Computer Technology	X	X	X		0.5	None
Digital Literacy	X	X	X		0.5	None
Business and Technology Concepts	X	X			1.0	None
Computer Concepts and Software Applications	X	X			1.0	None
Accounting I		X	X	X	1.0	Entry level course. Computer Technology or Business and Technology Concepts.
Web Design & Media Development I		X	X	X	1.0	Any introductory level computer technology course
Entrepreneurship			X	X	1.0	Computer Technology or Business and Technology Concepts.
Web Design & Media Development II			X	X	1.0	Web Design and Media Development II
Business Law				X	0.5	Intro Level Business Course
Inter-Related Cooperative Education				X	1.0	Any sequence of two courses in Business
Sports and Entertainment Marketing				X	0.5	Intro Level Business Course

#Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Accounting I
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Entry level course. Computer Technology or Business and Technology Concepts.
State Course Code: 12104A001
Accounting I assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included.

Business Law
Grade: 12
Length: 1 semester
Credit: 0.5
Prerequisite: Intro Level Business Course
State Course Code: 12054A001
Introduces law and the origins and necessity of the legal system; provides insight into the evolution and development of laws that govern business in our society; develops an understanding of how organization and operation of the legal system impact business; develops an understanding of rights and duties within the business environment; and includes contractual responsibility, protection of individual rights in legal relationships relative to warranties, product liability, secured and unsecured debts, negotiable instruments, agencies, employer-employee relations, property ownership and transfer, landlord and tenant, wills and estates, community property, social security, and taxation.

Business & Technology Concepts
Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 12001A001
This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course. This course is not intended to meet the consumer education requirement, but rather to provide preparation for the skill level courses that make up the Business, Marketing and Management occupations programs.

Computer Concepts & Software Applications
Grade: 9-10 or permission of administration
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 10004A001
Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands- on, real-life situations using a variety of software applications, such as word processing, spreadsheets, database management, presentation software, and desktop publishing. Students will explore topics related to computer concepts, operating systems, telecommunications and emerging technologies. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases.

Computer & Information Technology
Grade: 9-11 or permission of administration
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 10003A000
Students develop basic skills in keyboarding techniques, internet access and computer literacy. Emphasis is placed on keyboard techniques, accuracy development, and problem-solving. Students will format documents using a word processing program, access information using the internet and learn to organize and analyze data using a database and spreadsheet program. Time will be made available for students to prepare assignments that require the use of these software applications.

Consumer Education
Grade: 9-12
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 22201A000
Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and the principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the American economy.

Digital Literacy
Grade: 9-11 or permission of administration
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 10008A001
This foundation-level course prepares students to use technology in a proficient and responsible manner in school, in the workforce, and in everyday life. The goal of the course is to teach and assess basic computer concepts and skills so that students can use computer technology in everyday life to develop new social and economic opportunities for themselves, their families and their communities. Topics include: appropriate and responsible use of technology, computer basics, understanding and navigating the web, security, privacy, collaboration, evaluating content, legal issues, ethical issues, digital citizenship, productivity tools and careers. The course focuses on the essential skills to begin computing with confidence, be more productive at home, school and work, stay safe online, use technology to complement your lifestyle, and consider careers where you can put your skills to work. Technology use is a vital employability skill for entry-level and upper-level management positions. Students may be provided with the opportunity to seek industry-recognized digital literacy certifications.

Entrepreneurship
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 12053A001

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Inter-Related Cooperative Education
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: (any sequence of two courses in Business)
State Course Code: 22153A001
Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

Sports and Entertainment Marketing
Grade: 12
Length: 1 semester
Credit: 0.5
Prerequisite: Intro Level Business Course
State Course Code: 12163A000
Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.

Web Design & Media Development I
Grade: 10-12
Length: 2 Semesters
Credit: 1.0
Prerequisite: Any introductory level computer technology course
State Course Code: 10201A001
Web Design and Media Development I is designed to prepare students to plan, design, create and maintain web pages and sites. Students will learn the fundamentals of web page design using HTML, HTML editors, and graphic editors as well as programming tools such as JavaScript. Students will work in a project-based environment to create a working website. Students will learn to create pages, add hyperlinks, make tables and frames, create forms, integrate images, and set styles. Students will use image-editing programs to manipulate scanned images, computer graphics, and original artwork. Instruction will include creating graphical headers,

interactive menus and buttons, and visually appealing backgrounds. Students will use hardware and software to capture, edit, create, and compress audio and video clips.

Web Design & Media Development II
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Web Design and Media Development II
State Course Code: 10201A002
Web Page and Interactive Media Development II is for students who have completed Web Page and Interactive Media Development I. Instruction will include using multimedia authoring applications and programming tools such as JavaScript to create a web site that combines text, hyperlinks, images, video, and sound. Instruction will include using hardware and software to capture, edit, create, and compress audio and video clips as well as create animated text, graphics, and images. Other topics will include using tables to align images with text, creating newspaper-style columns, and inserting side menus and call-outs. Students will learn how to use templates, cascading style sheets and interactive elements to enhance web pages. Students will learn to create dynamic forms that include multiple-choice questions, comment boxes, and buttons. Students will learn how to connect to a database and retrieve and write data. Students are encouraged to develop a portfolio project that demonstrates their expertise in areas such as multimedia authoring, web development, audio and video editing, and advanced JavaScript applications to create interactive web pages.

ENGLISH

4 Credits Required - English I is required

Course Name	9	10	11	12	Credit	Prerequisite[#]
English I Honors	X				1.0	Placement Test Score or Teacher recommendation
English I Regular*	X				1.0	None
Theatre		X	X	X	1.0	None
Contemporary Literature		X	X	X	1.0	English I and Teacher Recommendation
Multi-Cultural Literature		X	X	X	0.5	English II or equivalent
English II Honors		X			1.0	English I Honors or Teacher Recommendation
English II Regular*		X			1.0	English I
Journalism			X	X	0.5	English I and Teacher Recommendation
Public Speaking			X	X	0.5	None
AP English Language and Composition			X		1.0	English II or equivalent and/or teacher recommendation
English III Honors			X		1.0	English II Honors or Teacher Recommendation
English III Regular*			X		1.0	English II
AP English Literature and Composition				X	1.0	English III or equivalent and/or teacher recommendation
Composition				X	0.5	English III or equivalent
English IV Honors				X	1.0	English III Honors or Teacher Recommendation
English IV Regular*				X	1.0	English III
Film as Humanities				X	0.5	English III or equivalent
American Studies Honors			X	X	2.0	English II and World Civilizations and Teacher Recommendation

**These courses may have co-taught sections for English Language Learners and Special Education students and/or Instructional sections for Special Education students.*

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

American Studies Honors
Grade: 11-12
Length: 2 semesters (double period)
Credit: 2.0 (1.0 English, 1.0 Social Studies)
Prerequisite: English II and World Civilizations and Teacher Recommendation
State Course Code: 01003A001
This year-long course meets two consecutive periods each day, allowing juniors to earn credit for English III Honors and United States History Honors by emphasizing student inquiry into the cultural, political, economic, social, and intellectual history of the United States. Students will participate in extensive discussion, writing, analytical reading, and self-determined projects to prepare them for later academic work. The required examination on the American government is included in the first semester. Students will also be required to complete a year-long community

service/action project in which they research an issue within their community, create a solution, and present the solution to the community for consideration.

AP English Language and Composition
Grade: 11
Length: 2 semesters
Credit: 1.0
Prerequisite: 2 English credits; and/or teacher recommendation.
State Course Code: 01005A000
This is college-level language and composition course that examines prose and its rhetorical effect and intent so that students may focus on a study of style (tone, diction, syntactical, and rhetorical devices). Students will also study other literary aspects such as figurative language, sound devices, prosody, form, and structure. This course will prepare students for the AP examination in Language and Composition which offers college credit if the student scores a specific level on the AP test. This is a fast-paced course that focuses on nonfiction and composition and develops critical thinking skills. All students are required to take the AP English test.

AP English Literature and Composition
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: 3 English credits; and/or teacher recommendation
State Course Code: 01006A000
The purpose of this course is to offer students a college-level literature and language course in which students study the literature of various periods and use their broad reading background in discussions of literary topics. The students will be engaged in close reading of selected texts to deepen their understanding of the ways writers use language to provide both meaning and pleasure for the readers. Also, students will be responsible for developing the ability to analyze imagery, symbolism, and tone in analytical writing. Another priority of the class is to prepare students for the AP exam in Literature and Composition which offers college credit if the student scores a specific level on the test. (This is a very fast-paced course that covers a great number of novels, short stories, poetry, dramas, and very fast-paced course that covers a great number of novels, short stories, poetry, dramas, and expository prose.) All students are required to take the AP Literature and Composition test.

Composition
Grade: 12
Length: 1 semester
Credit: 0.5
Prerequisite: 3 English Credits
State Course Code: 01103A000
This is a one-semester course in creative writing, including poetry as well as traditional expository, narrative, and argumentative forms. It will foster individual expression, encourage joy in writing, and demand analysis and editing of the writing product. In addition, students will have the opportunity to examine the craft, the art, and the product of successful contemporary writers.

Contemporary Literature
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: English I and Teacher Recommendation
State Course Code: 01062A000
Contemporary Literature is designed to improve students' language arts and critical thinking skills, focusing on contemporary literature in a variety of genres including lyric poetry, young adult fiction, cultural studies, modern drama, and modern short stories and novels. Students determine the underlying assumptions and values within

the selected works, reflect upon the influence of societal events and social attitudes, and compare the points of view of various authors. Oral discussion is an integral part of literature courses, and written compositions are often required.

English I Honors
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement Test Score or Teacher recommendation
State Course Code: 01001A000
This is a fast-paced course for the student who is self-motivated and performs well when challenged with a very rigorous English curriculum that demands analysis and higher order thinking skills. It is a skill-building course laying the foundation for students desiring to perform successfully on AP (Advanced Placement) courses. The course content will stress in-depth writing assignments, critical thinking development, critical analysis of literature, and speaking skills. It will offer components of literature, composition, and research as in English I Regular, but in more depth and using a variety of instructional strategies.

English I Regular
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 01001A000
This is the standard year-long, English course for freshmen, focusing on the integration of writing, reading, speaking and listening skills. Students will learn to read for both appreciation and meaning while striving to become critical and creative thinkers and speakers. This course emphasizes the stretching of reading lexile levels so that students are successful at reading literature, conducting research, and composing essays. Students will (1) examine the types of literature, including the short story, non-fiction, poetry, novel, and drama (2) complete research projects, utilizing technology and various resources (3) practice oral skills through presentations and (4) write developed compositions, in narrative, argumentative, expository, and creative writing formats. Specific grammar and punctuation rules will be addressed through continued skill development and writing.

English II Honors
Grade: 10
Length: 2 semesters
Credit: 1.0
Prerequisite: English I Honors or Teacher Recommendation
State Course Code: 01002A000
This rigorous academic course includes: (1) a variety of expository multi-paragraph writings, the study of formal outlining and bibliography preparation, the construction of a brief formal documented research paper using the MLA / APA Writing Style with an outline and bibliography, and the writing of expository, narrative, persuasive, and impromptu themes (2) extensive study of usage, sentence structure, and style (3) the improvement of reading skills with emphasis upon discovering meaning through context while citing text (4) the study of approaches to literature: the study of literary style, the study of drama as literature, and readings of acknowledged literary value. Student-selected academies will also merit various types of assessments and assignments experienced by students enrolled in a respective academy.

English II Regular
Grade: 10
Length: 2 semesters
Credit: 1.0
Prerequisite: English I

State Course Code: 01002A000
This is a full-year course designed for the comprehensive / regular level sophomore English student. It employs a thematic approach to literature including contemporary and traditional novels. Through the study of various genres of literature, students will develop skills to determine the author's intent and theme and recognize the techniques used by the author to deliver his or her message. Students will write argumentative, narrative, and expository compositions. Emphasis will be placed upon grammar and mechanics as well as reading skills. Students are expected to complete a research paper during the second semester. Student-selected academies will also merit various types of assessments and assignments experienced by students enrolled in a respective academy.

English III Honors
Grade: 11
Length: 2 semesters
Credit: 1.0
Prerequisite: English II Honors or Teacher Recommendation
State Course Code: 01003A000
This is a required junior-level course. This course is designed to introduce students to American Literature. Students will explore a variety of literature while answering essential questions that provide a framework for relating the literature to their worlds. The Common Core Standards significantly impact the instruction during the year. Enrichment opportunities are provided to students to prepare them for college level reading and writing through increased exposure to literature and more authentic writing and speaking assessments throughout the year. Units of study are divided into the following time periods: early America, the eighteenth century, the early-nineteenth-century, early twentieth century, and the latter part of the twentieth century. Students in this course are introduced to a variety of literary selections, which will assist them in transitioning to the collegiate level. Students use literature to enhance their analytical and critical thinking skills. Students learn the techniques of writing through the study of literature. They practice the following: use of literary devices, clear and concise writing patterns, appropriate word choice and diction.

English III Regular
Grade: 11
Length: 2 semesters
Credit: 1.0
Prerequisite: English II
State Course Code: 01003A000
This is a required junior-level course. This course is designed to introduce students to American Literature. Students will explore a variety of literature while answering essential questions that provide a framework for relating the literature to their worlds. The Common Core Standards significantly impact the instruction during the year. Units of study are divided into the following time periods: early America, the eighteenth century, the early-nineteenth century, early twentieth century, and the latter part of the twentieth century. Students in this course are introduced to a variety of literary selections, which will assist them in transitioning to the collegiate level. Students use literature to enhance their analytical and critical thinking skills. Students learn the techniques of writing through the study of literature. They practice the following: use of literary devices, clear and concise writing patterns, appropriate word choice and diction.

English IV Honors
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: English III Honors or Teacher Recommendation
State Course Code: 01004A000
This is a senior level course designed to provide students with a foundation for further study on the collegiate level. Preparing students to be both, career and college ready, this course is a fast-paced and an in-depth survey course for college-bound as well as for non-college bound seniors who will write critical and comparative analyses through

novels, poetry, drama, film, and real-world applications. Enrichment opportunities are provided to students to prepare them for college level writing through a research unit and other research opportunities outlined by Common Core. Students in this sequence will study additional reflective literature independently. The focus of study applies the appropriate skills within the Common Core Standards.

English IV Regular
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: English III
State Course Code: 01004A000
This is a senior level course designed to provide students with a foundation for further study on the collegiate level. Preparing students to be both, career ready and college ready, this course is a fast-paced and in-depth survey course for college- bound as well as for non-college bound seniors who will write critical and comparative analyses through novels, poetry, drama, and film and real-world applications. Units are divided according to major literary movements. The focus of study within the units applies the appropriate skills within the Common Core Standards.

Film as Humanities
Grade: 12
Length: 1 semester
Credit: 0.5
Prerequisite: 3rd year of high school
State Course Code: 01155A000
This introductory course offers an introduction to the film medium with emphasis on aesthetics, theory and methods of critical analysis. Students will examine film as an art form, as a medium for communicating ideas and as a social and cultural force. This course focuses on film and the art of critical viewing. Students will view a variety of films from different decades, cultures, and genres; focus on and analyze the language of film; and write critical reviews of films. Students will read literary critiques relating to films, which they will discuss and respond to in writing. NOTE: This course meets Fine Arts and/or academic core English elective graduation requirement.

Journalism
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: English 1 and Teacher Recommendation
State Course Code: 11101A000
Journalism, typically associated with the production of a school newspaper, yearbook, or literary magazine, emphasizes writing style and technique as well as production values and organization. This course introduces students to the concepts of newsworthiness and press responsibility; develops students' skills in writing and editing stories, headlines, and captions; and teaches students the principles of production design, layout, and printing. Photography and photojournalism skills may be included.

Multi-Cultural Literature
Grade: 10-12
Length: 1 semester
Credit: 0.5
Prerequisite: English I & English II equivalent
State Course Code: 01064A000
This is a one-semester elective course, which concentrates on the works of and issues representative of various ethnic groups and cultures (Hispanic, African American, Japanese, Irish, etc.) as they immigrated to the United States. A study of novels, poetry, and short stories incorporate citing textual evidence through close reading.

Public Speaking
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 01551A000
Public Speaking enables students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

Theatre
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 05052A000
This course is an introduction to theatre and basic acting and is designed to increase students' understanding, appreciation, and ideas of theatre. The following are covered during the semester: principles of improvisation, theatre history and theatre as an art form are covered during the semester. Stage blocking, monologues, ensemble acting, short dramas, basic make-up and basic stage craft are covered in the second semester. Students will participate in class forum discussions, writing and sharing of theatre critiques. Reading, writing, rehearsing and memorizing are vital to success in Theatre Arts. The class is interactive and collaborative. Play attendance and critiques are required each quarter. Contribution on some level to the school play(s) is also required.

ENGLISH LANGUAGE LEARNERS

*The English Language Development Standards "on multiple theories and approaches in an effort to describe language use in academic contexts; this is the language that language learners must acquire and negotiate to participate successfully in school". Utilizing both the Common Core Standards and the English Language Development Standards the high school content for our English language learners focuses on language and academic skills attainment. Students take the same content and assessed on the same skills as their grade level peers. Courses offer the same high school credit towards graduation and college acceptance as their grade level peers as well. Courses with an * denote courses for new arrivals to the United States.*

Content Area	Course Name	9	10	11	12	Credit	Prerequisite[#]
English	Advanced Collaboration and Communication (ACCESS)	X	X	X	X	1.0	Placement by Special Education and English Language Learners Staff
English	EL Bridging*	X	X	X	X	1.0	Placement by assessment
English	ELL Literature and Composition 1	X	X	X	X	1.0	Placement by assessment
English	ELL Literature and Composition 2	X	X	X	X	1.0	Placement by assessment
English	ELL Literature and Composition 3	X	X	X	X	1.0	Placement by assessment
English	ELL Literature and Composition 4	X	X	X	X	1.0	Placement by assessment
English	Strategic Reading	X	X	X	X	0.5	Placement by assessment
Mathematics	Strategic Math	X	X	X	X	0.5	Placement by assessment
Mathematics	Integrated Math I Bilingual or Sheltered	X				1.0	Placement of by the department of English Language Learners
Mathematics	Integrated Math Bilingual or Sheltered		X			1.0	Integrated Math I or Algebra
Mathematics	Integrated Math III Bilingual or Sheltered		X	X	X	1.0	Integrated Math 2 or Geometry
Science	Biology Bilingual or Sheltered	X	X	X	X	1.0	None
Science	Chemistry Bilingual or Sheltered		X	X		1.0	Biology
Science	Earth Science Sheltered			X	X	1.0	Biology or Chemistry
Science	Physics Bilingual			X	X	1.0	Biology or Chemistry
Social Science	World Civilization Bilingual	X	X			1.0	None
Social Science	World Civilization Sheltered	X	X			1.0	None
Social Science	U.S. History Bilingual or Sheltered		X	X		1.0	World Civilization
Social Science	Civics Sheltered			X	X	0.5	World Civilization

**Course for new arrivals to the United States*

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order by content area)

Advanced Collaboration and Communication
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement by Special Education and English Language Learners Staff
State Course Code: 22005A000
Students' time in ACCESS is divided into skill development and academic need. Depending on the academic needs in question the class allocates 60% of the time to skill development and 40% to academic need. Note that this percentage may vary considerably based upon any one student's immediate need. Students are expected to come to class prepared to complete specific instructions related to skills designed to achieve academic success. The remainder of the class time focuses on completion of academic work.

Strategic Reading
Grade: 9-12
Length: 1 semester
Credit: 0.5
Prerequisite: Placement by assessment
State Course Code: 01067A000
Part of our newcomers programming, the Strategic Reading curriculum is an intensive reading class designed to improve and enhance reading comprehension in fiction and nonfiction text. The class will emphasize fluency, vocabulary (academic and social) development, reading strategies, and provide students with a variety of topics to explore.

EL Bridging
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement by assessment
State Course Code: 01008A000
Students who are striving to meet the new English Learner exit criteria of 4.2 writing composite and a 5.0 overall composite proficiency level will continue to develop academic language within the content areas, enhance reading and writing strategies, and respond effectively to argumentative, narrative, and expository prompts. Placement in EL Communications correlates to the students' oral and literacy composite proficiency level as demonstrated on the W-APT or ACCESS for ELLs exam.

ELL Literature and Composition 1
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement by assessment
State Course Code: 01008A000
English Learners whose literacy composite lies within the entering range (0-1.9) will concentrate on acquiring high frequency academic vocabulary, developing reading strategies and fluency, and phonics skills, responding to literary passages from various genres, writing simple sentences across the curriculum, and practicing grammar.

ELL Literature and Composition 2
Grade: 9-12
Length: 2 semesters

Credit: 1.0
Prerequisite: Placement by assessment
State Course Code: 01008A000
English Learners whose literacy composite lies within the beginning range (2.0-2.9) will concentrate on acquiring academic vocabulary, developing reading strategies and skills, analyzing short literary passages from various genres, writing simple sentences and paragraphs across the curriculum, and practicing grammar.

ELL Literature and Composition 3
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement by assessment
State Course Code: 01008A000
English Learners whose literacy composite lies within the range (3.0 – 3.4) will further their academic English growth through the development of academic language within the content areas, enhance reading and writing strategies, and respond effectively to argumentative, narrative, and expository prompts.

ELL Literature and Composition 4
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement by assessment
State Course Code: 01008A000
English Learners whose literacy composite lies within the range (3.5 – 4) and are striving to meet the new English language exit criteria will further their academic English growth through the development of academic language within the content areas, enhance reading and writing strategies, and respond effectively to argumentative, narrative, and expository prompts.

English 1
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement by English Language Learners Department
State Course Code: 01001A000
This is the standard year-long, English course for freshmen, focusing on the integration of writing, reading, speaking and listening skills. Students will learn to read for both appreciation and meaning while striving to become critical and creative thinkers and speakers. This course emphasizes the stretching of reading Lexile levels so that students are successful at reading literature, conducting research, and composing essays. Students will (1) examine the types of literature, including the short story, non-fiction, poetry, novel, and drama (2) complete research projects, utilizing technology and various resources (3) practice oral skills through presentations and (4) write developed compositions, in narrative, argumentative, expository, and creative writing formats. Specific grammar and punctuation rules will be addressed through continued skill development and writing. English learners may receive sensory, graphic, and interactive support

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Integrated Math I Bilingual
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement by the Department of English Language Learners
State Course Code: 02301A000

Integrated Math I topics include recognizing and developing patterns using tables, graphs and equations. Mathematical modeling is stressed as a methodology for approaching the solution to problems. Students will explore operations on algebraic expressions and apply mathematical properties to algebraic linear equations. Students will problem solve using equations, inequalities, graphs and tables and investigate linear relationships, including comparing and contrasting options and decision-making using algebraic models. Integrated Math I involves the study of linear and exponential functions (with domains in the integers), including application and interpretation of statistics and real-world situations. Students reason about functions and the number and nature of solutions to equations, systems of equations, and inequalities. Reinforcement of topics from two-dimensional Geometry is integrated into this curriculum. This includes applications from the areas of area and perimeter, the Pythagorean Theorem and its applications, as well as geometric proportion. Finally, introductory instruction in the area of mathematical probability is provided to reinforce use of fractions and numerical modeling. Technology will be used to introduce and expand upon the areas of study listed above. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Integrated Math I Sheltered
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 02301A000
Integrated Math I topics include recognizing and developing patterns using tables, graphs and equations. Mathematical modeling is stressed as a methodology for approaching the solution to problems. Students will explore operations on algebraic expressions and apply mathematical properties to algebraic linear equations. Students will problem solve using equations, inequalities, graphs and tables and investigate linear relationships, including comparing and contrasting options and decision-making using algebraic models. Integrated Math I involves the study of linear and exponential functions (with domains in the integers), including application and interpretation of statistics and real-world situations. Students reason about functions and the number and nature of solutions to equations, systems of equations, and inequalities. Reinforcement of topics from two-dimensional Geometry is integrated into this curriculum. This includes applications from the areas of area and perimeter, the Pythagorean Theorem and its applications, as well as geometric proportion. Finally, introductory instruction in the area of mathematical probability is provided to reinforce use of fractions and numerical modeling. Technology will be used to introduce and expand upon the areas of study listed above. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Integrated Math II Bilingual
Grade: 10
Length: 2 semesters
Credit: 1.0
Prerequisite: Integrated Math I or Algebra
State Course Code: 02302A000
Integrated Math II is designed to combine some of the intermediate principles of Algebra I, Geometry, Algebra 2 and Probability. Topics include Quadratic Functions, Similarity and Congruence, Circles, Basic Trigonometric Functions and Probability. The Common Core Standards for Mathematical Practices will be addressed throughout the course. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Integrated Math II Sheltered
Grade: 10
Length: 2 semesters
Credit: 1.0

Prerequisite: Integrated Math I or Algebra
State Course Code: 02302A000
Integrated Math II is designed to combine some of the intermediate principles of Algebra I, Geometry, Algebra 2 and Probability. Topics include Quadratic Functions, Similarity and Congruence, Circles, Basic Trigonometric Functions and Probability. The Common Core Standards for Mathematical Practices will be addressed throughout the course. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Integrated Math III Bilingual
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Integrated Math II or Geometry
State Course Code: 02106A000
Integrated Math III completes the three-course sequence of Integrated Mathematics and is designed to further explore the principles introduced in Math 1 and Math 2 in preparation for enrolling in advanced mathematics courses. This course brings together knowledge acquired in the previous two courses and uses it as a bridge to expand into more complex territory. Students will expand their knowledge of linear, exponential, and quadratic functions to polynomials, rationals, and trigonometric functions. Students will also extend their previous work with circles to other conic sections, their understanding of trigonometry to all triangles, and experiences with data as they solve sophisticated problems. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Integrated Math III Sheltered
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Integrated Math II or Geometry
State Course Code: 02106A000
Integrated Math III completes the three-course sequence of Integrated Mathematics and is designed to further explore the principles introduced in Math 1 and Math 2 in preparation for enrolling in advanced mathematics courses. This course brings together knowledge acquired in the previous two courses and uses it as a bridge to expand into more complex territory. Students will expand their knowledge of linear, exponential, and quadratic functions to polynomials, rationals, and trigonometric functions. Students will also extend their previous work with circles to other conic sections, their understanding of trigonometry to all triangles, and experiences with data as they solve sophisticated problems. English learners may receive sensory, graphic and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts in needed.

Strategic Math
Grade: 9-12
Length: 1 semester
Credit: 0.5
Prerequisite: Placement by assessment
State Course Code: 02049A000
Part of our newcomers programming, the Strategic Math curriculum is comprised of evidence-based programs and approaches to help students develop their procedural fluency and conceptual understanding of high school math concepts as outlined by the common core state standards.

Biology Bilingual
Grade: 9-12
Length: 2 semesters

Credit: 1.0
Prerequisite: None
State Course Code: 03051A000
Biology Bilingual concentrates on the study of living things and attempts to develop the students' understanding of the basic biological principles. Emphasis is placed upon the chemical and physical basis of life, the continuity of life, the fundamental processes, evolution of life, and the interdependence of living things. In addition to reading for information and class discussion, emphasis is placed on laboratory experiences. English learners may receive sensory, graphic, and interactive support. Instruction primarily occurs in Spanish with an emphasis on the development of cognates and academic vocabulary.

Biology Sheltered
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 03051A000
Sheltered Biology deals with the study of living things and attempts to develop the students' understanding of the basic biological principles. Emphasis is placed upon the chemical and physical basis of life, the continuity of life, the fundamental processes, evolution of life, and the interdependence of living things. In addition to reading for information and class discussion, emphasis is placed on laboratory experiences. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Chemistry Bilingual
Grade: 10-11
Length: 2 semesters
Credit: 1.0
Prerequisite: Successful completion of Biology
State Course Code: 03101A000
English learners in this course study principles of atomic and molecular structure, bonding, and stoichiometry, states of matter, kinetic molecular theory and solutions. Corresponding laboratory experiments include volumetric and gravimetric analyses, a qualitative study of reactions, visible spectrophotometry, and problem-based analyses. It's intended for all students whose majors require general chemistry, including science majors and pre-professionals. This course also satisfies a general education laboratory science requirement for students with previous chemistry experience. English learners may receive sensory, graphic, and interactive support. Instruction primarily occurs in Spanish with an emphasis on the development of cognates and academic vocabulary.

Chemistry Sheltered
Grade: 10-11
Length: 2 semesters
Credit: 1.0
Prerequisite: Successful completion of Biology
State Course Code: 03101A000
English learners in this course study principles of atomic and molecular structure, bonding, and stoichiometry, states of matter, kinetic molecular theory and solutions. Corresponding laboratory experiments include volumetric and gravimetric analyses, a qualitative study of reactions, visible spectrophotometry, and problem-based analyses. It is intended for all students whose majors require general chemistry, including science majors and pre-professionals. This course also satisfies a general education laboratory science requirement for students with previous chemistry experience. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Earth Science Sheltered

Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Successful completion of Chemistry Sheltered or Bilingual
State Course Code: 03001A000
English learners in this course study principles of the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, this class explores oceanography, geology, astronomy, meteorology, and geography. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Physics Sheltered
Grade: 11-12
Length: 2 semesters
Credit: 1.0
State Course Code: 03151A000
Prerequisite: Successful completion of Chemistry Sheltered or Bilingual
English learners in this course study the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study in this class includes examination of sound, light, and magnetic and electric phenomena. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Civics Sheltered
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: World Civilization
State Course Code: 04161A000
Civics courses examine the rights, roles, powers, and responsibilities of individuals and institutions in the political system. Students will evaluate the opportunities and limitations of participation in elections, voting, and electoral process; analyze the impact of constitutions, laws, and agreements on the maintenance of order, justice, equality and liberty; explain how the US Constitution established a system of government that has powers, responsibilities, and limits that have changed over time and are still contested while promoting the common good and protecting rights. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

Law and Society Sheltered
Grade: 11
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 04163A000
This course is a survey of the criminal justice system, including agencies, legal terminology and processes involved in the administration of criminal justice. It provides an overview of police, prosecution, courts, juvenile justice and correctional system. An analysis of crimes and their proof in context of practical fact situations along with the problems of an administration of justice in a democratic society are also discussed. In addition, students will study consumer issues related to contracts, credit, purchasing goods and services, check writing, personal budgeting and career planning. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

U.S. History Bilingual
Grade: 10-11
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 04101A000
This course is designed to provide students with inquiry skills, and background knowledge necessary to critically analyze cultural, political, economic, social, and intellectual events in American History. The course takes a chronological approach to teaching U.S. History and will teach students how to use primary sources, documentary material, statistical tables, graphs, maps and charts as historical evidence. Analytical and discussion skills are designed to prepare students for later academic work. English learners may receive sensory, graphic, and interactive support. Instruction primarily occurs in Spanish with an emphasis on the development of cognates and academic vocabulary.

U.S. History Sheltered
Grade: 10-11
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 04101A000
This course is designed to provide students with inquiry skills, and background knowledge necessary to critically analyze cultural, political, economic, social, and intellectual events in American History. The course takes a chronological approach to teaching U.S. History and will teach students how to use primary sources, documentary material, statistical tables, graphs, maps and charts as historical evidence. Analytical and discussion skills are designed to prepare students for later academic work. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

World Civilization Sheltered
Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 04051A000
This course is designed to provide students with inquiry skills, and background knowledge necessary to critically analyze cultural, political, economic, social, and intellectual events in World History. The course takes a chronological approach to teaching World History and will teach students how to use primary sources, documentary material, statistical tables, graphs, maps and charts as historical evidence. Analytical and discussion skills are designed to prepare students for later academic work. English learners may receive sensory, graphic, and interactive support. Instruction occurs in English, but native language support may be used to clarify concepts if needed.

FAMILY AND CONSUMER SCIENCE

FCS courses are developed around real and ongoing concerns of families and communities, and they include concepts for resolving these concerns through ethical action. FCS is concerned with action-oriented questions of what to do about practical issues affecting people. These questions require ethical judgments about what to do for the good of self and others, now and in the future. Concerns that are examined include: family and community action issues; human and community development; family, career, and community connections; interpersonal relationships; human development; nutrition and wellness; and resource management. Family and community concerns require students to draw from many disciplines: art, social psychology, economics, politics, cultural anthropology, philosophy, history, sociology, linguistics, biology, physics, and chemistry.

Content Area	Course Name	9	10	11	12	Credit	Prerequisite[#]
Cosmo/Barber	Barbering I			X		3.0	none
Cosmo/Barber	Cosmetology I			X		3.0	none
Cosmo/Barber	Barbering II				X	3.0	Barbering I or Cosmetology I
Cosmo/Barber	Cosmetology II				X	3.0	Cosmetology I or Barbering
Culinary Arts	Nutrition and Culinary Arts	X	X	X		1.0	none
Culinary Arts	Culinary Occupations I		X	X	X	1.0	Nutrition and Culinary Arts (Grade of C or better) or Teacher recommendation
Culinary Arts	Culinary Occupations II			X	X	1.0	Culinary Occupations I (Grade of C or better) or Teacher recommendation
Human Development	Human Development and Family Wellness I & II		X	X	X	1.0	none
Human Development	Early Childhood Education I			X	X	1.0	Human Development and Family Wellness I & II
Human Development	Early Childhood Education II				X	1+3 Dual	Early Childhood Education I
Human Development	FCS Cooperative Work Program				X	2.0	Can be taken with ECE110
Textiles	Textiles & Design I & II	X	X	X		1.0	none
Textiles	Textiles & Design Occupations			X	X	1.0	Textiles and Design I & II

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Barbering I
Grade: 11
Length: 2 semesters
Credit: 3.0
Prerequisite: None
State Course Code: 19192A001
This is the first year of a two-year program in Barbering. The barbering program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. This course offers students curriculum in both theory and practice in the following areas as they relate to the practice of barber science and art: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge, skills, and activities completed in this course will help prepare students for Barbering II, while earning hours towards licensure.

Barbering II
Grade: 12
Length: 2 semesters
Credit: 3.0
Prerequisite: Barbering I or Cosmetology I
State Course Code: 19192A002
This is the second year of a two-year program in Barbering. The barbering program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. It offers advanced theoretical and practical skill development to prepare students for the barbering license exam. Training will cover at a minimum: anatomy; physiology; skin diseases; hygiene and sanitation; barber history; barber law; hair cutting and styling; shaving, shampooing, and permanent waving; massaging; bleaching, tinting, and coloring; and barber implements as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Knowledge, skills, and activities completed in Barbering I and II will prepare students to take the licensure exam and progression to obtain the 1500 hours of study in barbering.

Cosmetology I
Grade: 11
Length: 2 semesters
Credit: 3.0
Prerequisite: None
State Course Code: 19101A001
The Cosmetology program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. Cosmetology I provides introduces students to the requirements to become a licensed cosmetologist. It offers students instruction in both theory and practical application in the following areas: tools and their use, shampoo, understanding chemicals and use, types of hair, sanitation, hygiene, skin diseases and conditions, anatomy and physiology, electricity, ethics, nail technology and esthetics as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act. Knowledge,

skills, and activities completed in this course will help prepare students for Cosmetology II, while earning hours towards licensure.

Cosmetology II
Grade: 12
Length: 2 semesters
Credit: 3.0
Prerequisite: Cosmetology I or Barbering I
State Course Code: 19101A002
The Cosmetology program must be approved and licensed by the Illinois Department of Financial and Professional Regulations, Division of Professional Regulation and meet all state and federal regulations. Cosmetology II will build upon the knowledge and skills attained in Cosmetology I and will provide instruction, which may be a combination of classroom instruction and hands on experience in the following areas: practical chemical application/hair treatment, hair styling/hair dressing, and shop management, sanitation and interpersonal relations as they relate to the Barber, Cosmetology, Esthetics, and Nail Technology Act, as well as labor and compensation laws. Instruction may also include instruction in nail technology, esthetics, individualized skill development, and career planning. This course offers a curriculum of advanced theoretical and practical skill development to prepare students for the cosmetology licensure examination and progression to obtain the 1500 hours of study in cosmetology. (Students that take Cosmetology and Barbering are required to take both sessions through to completion.)

Culinary Occupations 1
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Nutrition and Culinary Arts
State Course Code: 16052A001
This course provides terminology, culinary math, and practical experiences needed for the development of culinary competencies and workplace skills. Safety and sanitation instruction and classroom application will prepare students for an industry recognized sanitation exam. Classroom experiences will develop skills to work in the front of the house, back of the house, and work stations. Additional content may include: event planning, customer service and relations, food service styles, baking and pastry arts, hors d'oeuvres, and breakfast cookery. Students will be provided opportunity training experiences on commercial equipment

Culinary Occupations 2
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Culinary Occupations I
State Course Code: 16055A001
Culinary Occupations II places special emphasis for students to develop operational management skills- including design and organization of food service systems in a variety of settings, human relations, and personnel training and supervision. Additional topics include: food cost accounting; taking inventory; advertising; monitoring consumer and industry trends; and individualized mastery of culinary techniques. Training experiences involve equipment and facilities simulating those found in business and industry. Students also learn about Global Cuisine in two sections: The Americas, followed by Europe, the Mediterranean, the Middle East and Asia.

Early Childhood Education I
Grade: 11-12

Length: 2 semesters
Credit: 1.0
Prerequisite: Human Development and Family Wellness I & II
State Course Code: 19153A001
This course prepares students to guide the development of young children in an educational setting through classroom and job shadowing experiences. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. Students will research the requirements of early childhood education careers and develop/expand their career portfolio.
Certifications: Gateways ECE Level 1 Credential, SBS/Traumatic Brain Injury, and SIDS/SUID/AAP Safe Sleep

Early Childhood Education II
Grade: 12
Length: 2 Semesters
Credit: 1.0
Prerequisite: Early Childhood Education I
State Course Code: 19199A000
This course continues to prepare students to guide the development of young children in an educational setting through classroom and job shadowing experiences. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. Students will research the requirements of early childhood education careers and develop/expand their career portfolio.
Certifications: American Heart Association First Aid CPR/AED (adult and pediatric)

FCS Cooperative Work Program
Grade: 12
Length: 2 semesters
Credit: 2.0
Prerequisite: Any sequence of two courses in FCS with early childhood focus
State Course Code: 22153A002
Family Consumer Sciences Cooperative Education is designed for students interested in pursuing careers in occupations in the field family and consumer sciences. Classroom instruction focuses on providing students with workplace skills, post-secondary education opportunities related to the job/career pathway, developing and maintaining positive workplace relationships, planning for the future, legal protection and responsibility, professional organizations, and advancing skills related to the job. Classroom and worksite instruction is based on the duties of the FCS occupation. Students are released from school for their paid cooperative education work experience, participate in 200 minutes per week or related classroom instruction, and supervised on-the-by a qualified instructor ½ hour or more per week per student. A qualified, certified FCS instructor is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student and employer assume compliance with federal, state and local laws and regulations.

Human Development and Family Wellness I & II
Grade: 10-11
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 19053A001

The Child Development and Parenting part of the course addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers and develop a career portfolio. The second part of the course focuses on the development and wellness of individuals and families throughout the life cycle. Topics include human development and wellness theories, principles, and practices; life cycle expectations and issues, including biological, physiological, social, and psychological needs and concerns of aging adults; community services, agencies, and resources; roles, responsibilities, and functions of families, family members and caregivers; family issues, including ethics, human worth and dignity, change, stress, neglect and abuse, and care of the care-giver; individual and family wellness planning; and fostering intergenerational relationships. Practical experiences related to these topics are included through a variety of activities such as volunteer experiences, service learning, and intergenerational event planning opportunities. Information on a variety of human and family services careers is incorporated throughout the course.

Inter-Related Cooperative Education
Grade: 12
Length: 2 semesters
Credit: 2.0
Prerequisite: (any sequence of two courses in CTE)
State Course Code: 22153A001
Cooperative Education is a capstone course designed to assist students in the development of effective skills and attitudes through practical, advanced instruction in school and on the job through cooperative education. Students are released from school for their paid cooperative education work experience and participate in 200 minutes per week of related classroom instruction. Classroom instruction focuses on providing students with job survival skills and career exploration skills related to the job and improving students' abilities to interact positively with others. For skills related to the job, refer to the skill development course sequences, the task list or related occupational skill standards of the desired occupational program. The course content includes the following broad areas of emphasis: further career education opportunities, planning for the future, job-seeking skills, personal development, human relationships, legal protection and responsibilities, economics and the job, organizations, and job termination. A qualified career and technical education coordinator is responsible for supervision. Written training agreements and individual student training plans are developed and agreed upon by the employer, student and coordinator. The coordinator, student, and employer assume compliance with federal, state, and local laws and regulations.

Nutrition & Culinary Arts
Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 16054A001
This course includes classroom and laboratory experiences needed to develop a knowledge and understanding of culinary principles and nutrition for people of all ages. Course content encompass': food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health, safety, and sanitation requirements; maximizing resources when planning/preparing/preserving/serving food; applying hospitality skills; analyzing nutritional needs in relation to change; and careers in nutrition and culinary arts, including entrepreneurship investigation.

Textiles & Design 1 & 2

Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 19201A001
This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project-based learning experiences students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles. This project-based course focuses on the implementation and recognition of design principles in selecting, constructing, altering, and remodeling textile products. Project management skills, including efficient use of time, materials, technique, and tools are incorporated throughout the course. Topics include: engineered fabric constructions; fiber and textile trends; color theory; principles of design; fabric finishes; industry construction techniques; use of industry tools, equipment, and terminology; knowledge of resources and vendors; research and evaluation of textile products for special needs populations; impacts of technology; construction, alteration and re-design skills; and simple flat pattern design and recognition.

Textiles & Design Occupations
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Textiles and Design I & II
State Course Code: 19204A002
The Textile and Design Occupations course focuses on the study and application of functional and aesthetic design, human factors research, production planning, manufacturing processes, quality assessment, and distribution systems of textile products. Additional topics include: consumer and industry textile trends; industry specific terminology; advanced design applications; project development, management, and supervision; safety codes and procedures; portfolio development and presentation; client relationships; and individualized mastery of textile/design skills.

FINE ARTS

The Fine Arts Department provides opportunities for students to engage in personal art experiences as preparation for creative careers and responsible citizenship. We cultivate students' abilities to think, collaborate and creatively problem solve.

Course Name	9	10	11	12	Credit	Prerequisite[#]
Art Foundations	X	X	X	X	1.0	None
AP Studio Art—Digital Design Portfolio		X	X	X	1.0	Upper level emphasis courses and teacher recommendation
Ceramics		X	X	X	1.0	Art Foundations
Digital Imaging		X	X	X	1.0	Digital Photography
Digital Photography Studio		X	X	X	1.0	Art Foundations
Drawing and Painting		X	X	X	1.0	Art Foundations
3-D Sculpture			X	X	1.0	Art Foundations, Ceramics
Advanced Studio			X	X	1.0	Teacher recommendation and previous art credits
AP Studio Art—General Portfolio			X	X	1.0	Upper level emphasis courses and teacher recommendation

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Advanced Studio
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Teacher recommendation and previous art credit
State Course Code: 05155A000
This course is designed for the serious artist who is creating a personalized body of work in preparation for Advanced Placement Studio Art class.

AP Studio Art—General Portfolio
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Upper level emphasis courses and teacher recommendation
State Course Code: 05171A000
Designed for students with a serious interest in art, AP Studio Art—General Portfolio courses enable students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the courses typically emphasize quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of the student's art. AP Studio Art—General Portfolio evaluations require submission of artwork exemplifying talent in drawing, painting, photography, design, and sculpture.

AP Studio Art—Digital Design Portfolio
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Upper level emphasis courses and teacher recommendation
State Course Code: 05171A000
Designed for students with a serious interest in art, AP Studio Art—Digital Portfolio courses enable students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the courses typically emphasize quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of the student's art. AP Studio Art—Digital Design Portfolio evaluations require submission of artwork exemplifying talent in photography and digital design.

Art Foundations
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 05154A000
This course provides students with the knowledge and opportunity to explore an art form and to create individual personalized works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, processes and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Students focus on the creation of art, and may also include the study of major artists, art movements, contemporary themes and styles of art.

Ceramics
Grade: 10-12
Length: 2 semesters
Credit: 1.0
State Course Code: 05159A000
Ceramics focuses on creating three-dimensional works out of clay and ceramic material using hand building techniques. Particular attention is paid to the characteristics of the raw materials, their transformation under heat, and the various methods used to create and finish objects. Students will explore various artists, themes, movements, and styles of ceramic art.

Digital Imaging
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Digital Photography
State Course Code: 05168A000
This class builds on students' knowledge of tools, techniques and processes of video and digital photography. Students will create and edit their own phots and videos using digital editing software. They will view and critique their own work as well as professional artists' work. They will consider how media affects their lives.

Digital Photography Studio
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Art Foundations
State Course Code: 05167A000
Digital Photography exposes students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters and camera angles. Students will learn the elements of photography and study composition. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. This course also covers major photographers, art movements, and styles. Additionally, students will learn to manipulate their photographs in creative ways using computer generated photo-editing programs.

Drawing and Painting
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Art Foundations
State Course Code: 05155A000
Drawing and Painting focuses on drawing and painting techniques. The emphasis is on but not limited to two-dimensional work, students typically work with various media (such as pencil, chalk, watercolor, tempera, acrylics, etc.) to create personized artwork. Students will also explore various artists, art movements, contemporary themes and styles of drawing and painting.

3-D Sculpture
Grade: 11-12
Length: 2 Semesters
Credit: 1.0
Prerequisite: Art Foundations, Ceramics 1
State Course Code: 05158A000
An exploration of traditional and non-traditional sculptural tools and materials. The study of 3-D artists and the history of three-dimensional art are also main components of this art course.

MATH

3 Credits Required – Must include Integrated Math 1 and 2 (or Algebra and Geometry prior to 2019-2020)

Course Name	9	10	11	12	Credit	Prerequisite[#]
Integrated Math I*	X				1.0	None
Integrated Math II*	X	X			1.0	Integrated Math I or Algebra
Integrated Math III*		X	X		1.0	Integrated Math II or Geometry
Pre-Calculus Honors			X	X	1.0	Integrated Math III or Trigonometry/Algebra
Consumer Mathematics			X	X	0.5	None
Business Mathematics			X	X	0.5	Integrated Math II or Geometry
AP Statistics			X	X	1.0	Integrated Math III or Trigonometry/Algebra
AP Computer Science Principles			X	X	1.0	Integrated Math III or Algebra 2 with Trig or AP Computer Science A or Project Lead the Way
AP Computer Science A			X	X	1.0	Teacher recommendation
AP Calculus AB			X	X	1.0	Integrated Math III or Trigonometry/Algebra or Pre-Calculus Honors or department recommendation
Statistics				X	1.0	Integrated Math II or Geometry
Technical Math[+]				X	1.0	Accuplacer score 32 or less, ACT score of 17 or less or SAT score 200-460
College Prep Math 055[+]				X	1.0	Accuplacer score 33-60, ACT score of 18 or higher or SAT score 470-500
College Prep Math 085[+]				X	0.5	Math 055, Accuplacer score 61 EA or higher, ACT score of 20 or SAT score 510-540
Quantitative Literacy QL101[+,##]				X	1.0	Math 085, Accuplacer score 50 CLM or higher, ACT score of 23 or higher or SAT score 580-610

**These courses may have co-taught sections for English Language Learners and Special Education students and/or Instructional sections for Special Education students.*

[+]These courses satisfy PWR Act Transitional Math requirements.

[##] This course offers the opportunity to earn Dual Credit in Statistics from Triton College during second semester.

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

AP Calculus AB
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Trigonometry/Algebra Honors or Pre-Calculus Honors or department recommendation
State Course Code: 02124A000

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral). All students are required to take the AP Calculus test.

AP Computer Science A
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Teacher recommendation
State Course Code: 10157A000
AP Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction.

AP Computer Science Principles
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Algebra 2 with trig or AP Computer Science A or Project lead the Way
State Course Code: 10161A000
AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.

AP Statistics
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Trigonometry/Algebra
State Course Code: 02203A000
Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. All students are required to take the AP Statistics test.

Business Mathematics
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: Geometry
State Course Code: 02157A000
Student will review and apply mathematical operations with whole numbers, decimals, fractions, ratios, and percent. They will understand terminology relating to personal and business mathematics applications and apply basic math skills to the solution of both personal and business applications.

College Prep Math 055
Grade: 12
Length: 2 semesters

Credit: 1.0
Prerequisite: Accuplacer score 33-60, SAT score 470-490, or ACT score 18-36
State Course Code: 02055A000
This course involves the study of properties of real numbers, solving first degree equations and inequalities, formulas, problem solving, the Cartesian coordinate system, operations with polynomials, and basic geometry. This course satisfies PWR Act Transitional Math requirements.

College Prep Math 085
Grade: 12
Length: 2 semesters
Credit: 0.5
Prerequisite: Math 055, Accuplacer score 61 EA or higher, ACT score of 20 or SAT score 520-540
State Course Code: 02055A001
Concepts in factoring, rational expressions and equations, functions, relations, systems of equations, inequalities, radical expressions and equations, quadratic equations, special right triangles and Pythagorean Theorem. This course satisfies PWR Act Transitional Math requirements.

Consumer Mathematics
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 02157A000
Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Integrated Math I
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 02301A000
Integrated Math I topics include recognizing and developing patterns using tables, graphs and equations. Mathematical modeling is stressed as a methodology for approaching the solution to problems. Students will explore operations on algebraic expressions and apply mathematical properties to algebraic linear equations. Students will problem solve using equations, inequalities, graphs and tables and investigate linear relationships, including comparing and contrasting options and decision-making using algebraic models. Integrated Math I involves the study of linear and exponential functions (with domains in the integers), including application and interpretation of statistics and real-world situations. Students reason about functions and the number and nature of solutions to equations, systems of equations, and inequalities. Reinforcement of topics from two-dimensional Geometry is integrated into this curriculum. This includes applications from the areas of area and perimeter, the Pythagorean Theorem and its applications, as well as geometric proportion. Finally, introductory instruction in the area of mathematical probability is provided to reinforce use of fractions and numerical modeling. Technology will be used to introduce and expand upon the areas of study listed above.

Integrated Math I Honors
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: None

State Course Code: 02301A000
This course covers all of the same topics outlined in Integrated Math I, but in greater depth and breadth.

Integrated Math II
Grade: 10
Length: 2 semesters
Credit:1.0
Prerequisite: Integrated Math 1
State Course Code: 02302A000
Integrated Math II is designed to combine some of the intermediate principles of Algebra I, Geometry, Algebra 2 and Probability. Topics include Quadratic Functions, Similarity and Congruence, Circles, Basic Trigonometric Functions and Probability. The Common Core Standards for Mathematical Practices will be addressed throughout the course.

Integrated Math II Honors
Grade: 10
Length: 2 semesters
Credit: 1.0
Prerequisite: Integrated Math II Honors, Algebra Honors or departmental recommendation
State Course Code: 02302A000
This course covers all of the same topics outlined in Integrated Math II but in greater depth and breadth.

Integrated Math III
Grade: 11
Length: 2 semesters
Credit: 1.0
Prerequisite: Integrated Math 2
State Course Code: 02303A000
Integrated Math III completes the three-course sequence of Integrated Mathematics and is designed to further explore the principles introduced in Math 1 and Math 2 in preparation for enrolling in advanced mathematics courses. This course brings together knowledge acquired in the previous two courses and uses it as a bridge to expand into more complex territory. Students will expand their knowledge of linear, exponential, and quadratic functions to polynomials, rationals, and trigonometric functions. Students will also extend their previous work with circles to other conic sections, their understanding of trigonometry to all triangles, and experiences with data as they solve sophisticated problems.

Integrated Math III Honors
Grade: 10-11
Length: 2 semesters
Credit: 1.0
Prerequisite: Integrated Math II, Geometry Honors or department recommendation
State Course Code: 02303A000
This course covers all of the topics in Integrated Math III, but in greater depth and breadth.

Pre-Calculus Honors
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Trigonometry/Algebra
State Course Code: 02110A000
Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial,

logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

Probability & Statistics
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: Completion of Algebra and Geometry
State Course Code: 02202A000
Probability and Statistics courses focus on descriptive statistics, with an introduction to inferential statistics. Topics typically include event probability, normal probability distribution, collection and description of data, frequency tables and graphs, measures of central tendency and variability, random variables, and random sampling. Course topics may also include covariance and correlation, central limit theorem, confidence intervals, and hypothesis testing.

Quantitative Literacy 101
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: Math 085, Accuplacer score 50 CLM or higher, ACT score of 23 or SAT score 580-610
State Course Code: 02110A001
This is a dual credit course through Triton College. Students will examine the operations on real numbers: factoring, polynomials, rational expressions, complex numbers, topics from the theory of equations, polynomials, exponential, and logarithmic functions, systems of equations, and conic sections.

Technical Math
Grade: 12
Length: 2 Semesters
Credit: 1.0
Prerequisite: Accuplacer 32 or less, SAT score 200-460, or ACT score or 17 or less
State Course Code: 02153A000
Technical Math is a non-stem course offered in partnership with Triton College. This course is designed for students planning to pursue non-stem careers and start their post-secondary journey at Triton. Successful completion of this course will result in a transcript from Triton College acknowledging completion of the course at the High School.

MUSIC AND PERFORMANCE

The Music Department provides opportunities for students to engage in experiences as preparation for creative careers and responsible citizenship. We cultivate students' abilities to think, collaborate, perform and creatively problem solve.

Course Name	9	10	11	12	Credit	Prerequisite[#]
Advanced Concert Band	X	X	X	X	1.0	Audition and previous band pathway
Beginning Band	X	X	X	X	1.0	None
Beginning Chorus	X	X	X	X	1.0	None
Concert Band	X	X	X	X	1.0	Audition and Beginning Band
Dance - Flag	X	X	X	X	1.0	Audition
Marching Band	X	X	X	X	1.0	Audition
Music History/Appreciation	X	X	X	X	1.0	None
Theatre	X	X	X	X	1.0	None, provides English credit
Vocal Ensembles Madrigal Singers	X	X	X	X	1.0	Audition
Chorus 2		X	X	X	1.0	Beginning Chorus
Contemporary Jazz Band		X	X	X	1.0	Audition and Concert Band

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Advanced Concert Band
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Audition and previous band pathway
State Course Code: 05102A000
Advanced Concert Band continues the development of instrumental techniques and performances at the advanced level.

Beginning Band
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 05101A000
Beginning Band develops students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles (concert, marching, orchestral, and modern styles). Instruments are furnished at no charge to members of this class. Students must purchase their own mouthpiece. Approximate cost $25.

Beginning Chorus
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 05110A000
Beginning Chorus provides the opportunity to sing a variety of choral literature styles for men's and/or women's voices. The course is designed to develop vocal techniques and the ability to sing parts. Focuses on the fundamentals of sight-reading, diction, and vocal blend. This course offers students insight into the choir performance experience. Choir robes and attire are provided.

Chorus 2
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Beginning Chorus
State Course Code: 05110A000
Chorus 2 is an advanced version of Beginning Chorus. Students will have the opportunity to sing a variety of choral literature for men's and women's voices. Students will continue to develop vocal techniques and the ability to sing parts. Continues to focus on the fundamentals of sight- reading, diction and vocal blend. This advanced course offers students the insight into the choir performance experience. Choir robes and attire are provided.

Concert Band
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Audition and Beginning Band
State Course Code: 05102A000
Concert Band is designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances. This course develops the skills of students with some performance experience. The ensemble style gives the students structures instrumental band experience.

Contemporary Jazz Band
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Audition and Concert Band
State Course Code: 05105A000
Contemporary (Jazz) Band courses help students develop their techniques for playing brass, woodwind, percussion, and string instruments, as well as guitars and keyboards, focusing primarily on contemporary stage band literature styles, such as traditional jazz, and jazz improvisation. Jazz band students must be members of one of the larger instrumental organizations.

Dance - Flag
Grade: 9-12
Length: 2 semesters

Credit: 1.0
Prerequisite: Audition
State Course Code: 05049A000
This class teaches and provides rehearsal for the Dance and Flag routines that are performed with the marching band. Students must audition for this class.

Marching Band
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Audition
State Course Code: 05103A000
Courses in Marching Band are intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate band literature styles, primarily for marching performances. The Marching Band presents concerts, participates in various community parades, and school assemblies. The Marching Band also performs shows at home games as part of half-time entertainment.

Music History/Appreciation
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 05116A000
Music History/Appreciation course surveys different musical styles and periods with the intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. Music History/Appreciation courses may also focus on developing an understanding of a particular style or period. This course is designed to help students explore the world of music and develop an understanding of the role music plays in their lives.

Theatre
Grade: 9-12
Length: 2 semesters
Credit: 1.0 (in English)
Prerequisite: None
State Course Code: 05052A000
This course is an introduction to theatre and basic acting and is designed to increase students' understanding, appreciation, and ideas of theatre. The following are covered during the semester: principles of improvisation, theatre history and theatre as an art form are covered during the semester. Stage blocking, monologues, ensemble acting, short dramas, basic make-up and basic stage craft are covered in the second semester. Students will participate in class forum discussions, writing and sharing of theatre critiques. Reading, writing, rehearsing and memorizing are vital to success in Theatre Arts. The class is interactive and collaborative. Play attendance and critiques are required each quarter. Contribution on some level to the school play(s) is also required.

Vocal Ensembles Madrigal Singers
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Audition

State Course Code: 05111A000

Vocal Ensemble courses are intended to develop vocal techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles. The Madrigal singers are a select group of students that are dedicated to rehearsals beyond the regular school day. Madrigals perform music of the Renaissance period and related styles of cappella literature. These students present an annual Madrigal Dinner as well as perform at school assemblies and programs, community events, choral festivals, workshops, competitions, and the state and local Solo-Ensemble contests. Students must also be enrolled in one of the large performance organizations or receive special exemption from the choir director.

PHYSICAL DEVELOPMENT AND HEALTH

4 Credits Required - Health is required

Course Name	9	10	11	12	Credit	Prerequisite[#]
Freshman Physical Education	X				0.5	None
Modified Physical Education	X	X	X	X	0.5	Medically required
Health Education	X	X	X	X	0.5	None
Sophomore Physical Education		X			0.5	Freshman Physical Education
Advanced Aquatics		X	X	X	0.5	Basic Swimming Skills
Driver Education in the Classroom		X	X	X	0.5	Must have at least 6 credits at the start of Year 2 in HS, 80 % attendance rate during previous school year, Freshman Physical Education
Driver Education behind the Wheel		X	X	X		Must have at least 6 credits at the start of Year 2 in HS, 15 years of age, classroom instruction, Driving Permit
Introduction to Aquatics		X	X	X	0.5	Passing grade in previous semester of PE
Junior/Senior Physical Education			X	X	0.5	Sophomore Physical Education
Driver's Education—Classroom Only			X	X	0.5	15 years of age, classroom instruction, Driving Permit
Lifetime Fitness			X	X	0.5	Freshman and Sophomore Physical Education
Traditional Physical Education			X	X	0.5	Freshman Physical Education
PE Leaders			X		1.0	Sophomore PE with B or better; Teacher recommendation, Application
Senior Leaders				X	1.0	PE Leaders
PE 106 Dual Credit				X	0.5	Consent of instructor.

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Advanced Aquatic Swimming
Grade: 10-12
Length: 1 semester
Credit: 0.5
Prerequisite: Basic Swimming Skills
State Course Code: 08010A000
During this semester-long course, students will be instructed in basic swimming skills, and will hone their leadership abilities in a pool facility. This course also includes instruction in the latest techniques in water safety, swimming and non-swimming rescues, CPR, Automated External Defibrillator (AED), and First Aid Training for the professional rescuer. Successful students may earn lifeguarding certification through Starfish Aquatics Institute.

Driver Education: Behind the Wheel
Grade: 10-12
Length: 1 semester
Credit: 0.5
Prerequisite: 15 years of age, Driver Education: In the Classroom, Driving Permit
State Course Code: 08151A000
Behind-the-Wheel instruction is an optional 6-hour course. Instruction is made available to students, but it is not required for graduation. The permit allows the students to begin the required 50 hours of behind- the-wheel instruction with their parent and the 6-hour behind-the-wheel school phase either before or after school, during the school day (if class schedule permits) or during the summer. Fees: $175.00 user fee payable to Proviso Township High Schools, a $20.00 application fee for permit payable to the Secretary of State; and a $15.00 workbook fee are required. All fees are subject to change depending on Illinois Law.

Driver Education: In the Classroom
Grade: 10-12
Length: 1 semester
Credit: 0.5
Prerequisite: Freshman Physical Education, 80 % attendance rate during previous school year
State Course Code: 08151A000
The Driver Education program consists of two phases of instruction, classroom and behind-the-wheel (optional). It is designed to develop safe, courteous and skillful drivers. The classroom phase emphasizes the importance of students developing desirable attitudes toward the responsibilities associated with the operation of a vehicle. At the end of this course students receive their permit, which must be held nine (9) months before they can be issued a license. Lastly, Illinois Law determines eligibility: Pursuant to Section 27-24.2 of the School Code, no student shall be permitted to enroll in a driver education course provided by a public school district or a nonpublic school unless he or she has either: 1) received a passing grade in at least eight courses (which may include courses completed in grade 8) during the previous two semesters: 2) or, in the case of block scheduling that reduces the number of courses taken per semester, in at least half the courses taken during the previous two semesters.

Freshman Physical Education
Grade: 9
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 08001A000
This is a semester course with an introduction to team and individual sports, fitness strategies, and aquatics. Aquatics will focus on water safety and basic swim. Students will be introduced to the basic skills and vocabulary needed to participate successfully in the activities. Students will learn the proper execution of all resistance and weight-lifting equipment.

Health Education
Grade: 9-12
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 08051A000
This course fulfills the health education requirement for graduation as stipulated in Section 861 of The School Code of Illinois. Students study human ecology and health, human growth and development, human sexuality, prevention and control of disease (including HIV/AIDS education), public and environmental health, consumer health, mental

health and illness, personal health habits, nutrition, and dental health. Other topics include the use and abuse of alcohol, drugs, and tobacco and their short- and long-term effects on one's health and wellness.

Introduction to Aquatics
Grade: 10-12
Length: 1 semester
Credit: 0.5
Prerequisite: Passing grade in previous semester of PE
State Course Code: 08010A000
This class is designed for students with little to no experience in the water. They will be introduced to basic concepts of stroke technique, water safety, and introductory lifesaving techniques.

Junior-Senior Physical Education
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: Sophomore Physical Education
State Course Code: 08001A000
This course is designed to enhance the skills, techniques and strategies used for individual and team sports. Students will create, apply and execute offensive and defensive strategies for sport related activities. Individual fitness principles, strategies, and techniques will be developed through the designing of individualized fitness plans.

Lifetime Fitness
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: Freshman and Sophomore Physical Education
State Course Code: 08005A000
This course is designed to integrate the fitness principles used to improve individual fitness levels. Students will develop an individual fitness plan which involves the five elements of fitness, muscular, and cardiovascular endurance, muscular strength, flexibility, and BMI. This course will especially meet the training needs of our student-athletes.

Modified Physical Education
Grade: 9-12
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 08007A000
Modified classes are for students with permanent/temporary disabilities so that they may maintain a higher degree of proficiency. This course is a modification of physical education activities intended to meet the individual needs of persons with permanent/temporary disabilities. Individualized physical fitness programs are modified within medical guidelines for each student. The students work to develop and refine motor skills, hand-eye coordination, balance and flexibility to maintain mobility. Social skills are integrated in all activities, and students are encouraged to maximize their abilities as they engage in a variety of modified sport activities.

PE Leaders
Grade: 11
Length: 2 semesters
Credit: 1.0
Prerequisite: Sophomore PE with B or better; Application
State Course Code: 22101A000

This year long course is offered to students who are interested in developing leadership skills within a Physical Education environment. Students will concentrate on skill development, game strategies, skill analysis, officiating rules and techniques, teaching progressions and methods of organizing and administering various types of activity classes. A strong emphasis is placed upon the development of responsibility for self and others, leadership skills, and peer teaching. This course is a prerequisite for the Senior Leaders course.

PE 106 Dual Credit
Grade: 12
Length: 1 Semester
Credit: 0.5
State Course Code: 08009A000
A one semester long fitness class emphasizing the safe, effective, and efficient use of strength and cardio exercise equipment to improve cardio-respiratory fitness, body composition, physiological strength, and flexibility.

Senior Leaders
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: PE Leaders
State Course Code: 22101A000
Students who successfully complete the PE Leaders course will be enrolled as a Senior Leader the following year. Students enrolled will utilize their leadership qualities by assisting a Physical Education teacher in a freshman or sophomore PE class. Responsibilities include leading warm-up activities, officiating game play, helping students with skill development and being a positive role model to younger students.

Sophomore Physical Education
Grade: 10
Length: 1 semester
Credit: 0.5
Prerequisite: Freshman Physical Education
State Course Code: 08001A000
This is a semester course with an enhancement to team and individual sports, fitness strategies and aquatics. Students will develop their team-building skills through the connection of team sports. They will improve their fitness levels through the application of personal fitness strategies. They will continue their basic skill development in aquatics with a focus on stroke development, deep water swimming and underwater swimming.

Traditional Physical Education
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: Freshman Physical Education
State Course Code: 08001A000
This course is designed to enhance the skills, techniques, and strategies used in team and individual sports. Students will learn, create, and apply offensive and defensive strategies for sport related activities. Students will also develop individual fitness principles, strategies, and techniques to guide them towards a lifetime of fitness.

NAVAL JUNIOR RESERVE OFFICERS TRAINING CORP (NJROTC)

The NJROTC Program was established by Public Law in 1964 and may be found in Title 10, U.S. Code, Chapter 102. Instructors who are retired Navy, Marine Corps, and Coast Guard officers and enlisted personnel conduct the program at accredited secondary schools throughout the nation. The NJROTC curriculum emphasizes citizenship and leadership development, as well as our maritime heritage, the significance of sea power, and naval topics such as the fundamentals of naval operations, seamanship, navigation, and meteorology. Classroom instruction is augmented throughout the year by community service activities, drill competition, field meets, flights, visits to naval activities, marksmanship training, and other military training. The Navy provides uniforms, textbooks, training aids, travel allowance, and a substantial portion of instructors' salaries.

Participation in the NJROTC:

- Promotes patriotism.
- Develops informed and responsible citizens.
- Promotes habits of orderliness and precision.
- Develops a high degree of personal honor, self-reliance, and individual discipline.
- Promotes an understanding of basic elements and requirements for national security.
- Develops respect for and an understanding of the need for constituted authority.
- Provides information on the military services as a possible career.
- Develops leadership potential.
- Provides an alternative to gangs.
- Promotes high school completion.
- Provides incentive to live healthy and drug-free.

Credit earned in the NJROTC program fulfills required credit in Physical Education.

Course Name	9	10	11	12	Credit	Prerequisite[#]
Naval Science 1	X	X	X	X	1.0	None
Naval Science 2		X	X	X	1.0	Grade of C or higher in Naval Science 1
Naval Science 3			X	X	1.0	Grade of C or higher in Naval Science 2
Naval Science 4				X	1.0	Grade of C or higher in Naval Science 3

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Naval Science 1
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Accuplacer, SAT, or ACT completed with recorded math score (no minimum score)
State Course Code: 09101A000
Naval Science 1 introduces students to the meaning of citizenship, the elements of leadership, and the value of scholarship in reaching life goals; promote an awareness of the importance of a healthy lifestyle, including physical fitness, a proper diet, and managing stress; drug awareness; providing the principles of health and first aid,

geography and survival skills; and an overview of Naval ships and aircraft. These elements are pursued at the fundamental level.

Naval Science 2
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Grade of C or higher in Naval Science 1
State Course Code: 09102A000
Naval Science 2 builds on the general introduction provided in Naval Science 1, further develops the traits of citizenship and leadership, and introduces cadets to the technical areas of naval science and the role of the U.S. Navy in maritime history and the importance of the world's oceans to the continued well-being of the United States. Students will be introduced to seamanship and elements of navigation.

Naval Science 3
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Grade of C or higher in Naval Science 2
State Course Code: 09103A000
Naval Science 3 broadens the understanding of students in the operative principles of military leadership. The concept and finance of teamwork, the intrinsic value of good order and discipline in the accomplishment of objectives and the importance of power and national security. Students gain a more in-depth knowledge of naval ships and aircraft.

Naval Science 4
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: Grade of C or higher in Naval Science 3
State Course Code: 09104A000
Naval Science 4 focuses primarily on practical leadership techniques and implementation. The intent is to assist seniors in understanding leadership and improving their leadership skills by putting them in positions of leadership, under supervision, then let them analyze the reasons for their varying degrees of success throughout the year. Classroom activities include seminars, reading assignments, classroom presentations, and practical work with younger cadets. Seniors are mentored/guided in their preparation for life after high school to include college preparation, scholarship applications, and the variety of choices that are available to them. In addition, Naval Science 4 introduces Cadets to the study of current world affairs, regional studies and cultural awareness.

SCIENCE

3 Credits Required

Course Name	9	10	11	12	Credit	Prerequisite[#]
Biology*	X				1.0	None
Biology Honors	X				1.0	Placement Test or Teacher Recommendation
Chemistry*		X			1.0	Biology
Chemistry Honors		X			1.0	Biology and Teacher Recommendation
Earth Science*		X	X	X	1.0	None
AP Biology			X	X	1.0	Biology and Chemistry or Teacher Recommendation
AP Chemistry			X	X	1.0	Biology, chemistry, and teacher recommendation
AP Environmental Science			X	X	1.0	Biology, Chemistry and teacher recommendation
AP Physics			X	X	1.0	Physics & science and math teacher recommendations
Astronomy & Space Science			X	X	1.0	None
Aviation Physics			X	X	1.0	Teacher recommendation
Forensic Science			X	X	1.0	None
Physics*			X	X	1.0	Biology & Chemistry
Physics Honors			X	X	1.0	Biology, Chemistry and teacher recommendation
Physiology			X	X	1.0	Biology, Chemistry and teacher recommendation
Anatomy & Physiology			X	X	1.0	Biology, Chemistry

**These courses may have co-taught sections for English Language Learners and Special Education students and/or Instructional sections for Special Education students.*

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Anatomy & Physiology
Grade: 11
Length: 2 semesters
Prerequisite: This course is a comprehensive college preparatory elective science course.
State Course Code: 03053A000
Topics will include the organization of the human body, basic biochemistry, cells and tissues, integumentary system, skeletal system, muscular system, nervous system, special senses, endocrine system, cardiovascular system, lymphatic and immune system, respiratory system, digestive system, urinary system, reproductive system, development and inheritance. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments and computer simulations.

AP Biology
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Biology and Chemistry or Teacher Recommendation
State Course Code: 03056A000
This course adheres to the curriculum recommended by the College Board and is designed to parallel college-level introductory biology course. The course also stresses basic facts and their synthesis into major biological concepts and themes. In addition, the course encompasses four big ideas. 1) The process of evolution drives diversity 2) Biological systems utilize free energy. 3) Using systems store, retrieve, transmit and respond to information. 4) Biological systems interact. This AP Biology course includes college- level laboratory experiments.

AP Chemistry
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Biology, chemistry, and teacher recommendation
State Course Code: 03106A000
This course follows the curriculum recommended by the College Board. Students who enroll in this class have already completed a high school chemistry class and a second-year algebra class. In addition, the course encompasses 6 big ideas. 1) All matter is composed of atoms. 2) Physical and chemical properties of matter. 3) Chemical reactions involve the rearrangement of atoms. 4) Molecular collisions determine the rates of chemical reactions. 5) Thermodynamics describes the role energy plays in physical and chemical changes. 6) Equilibrium represents a balance between enthalpy and entropy. The lab for this course is equivalent to a typical college chemistry course.

AP Environmental Science
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Biology, Chemistry and teacher recommendation
State Course Code: 03207A000
This course is designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of environmental problems, and the development of practices that will ensure sustainable systems.

AP Physics
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Physics & science and math teacher recommendations
State Course Code: 03156A000
This course is designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors. This course primarily focuses on mechanics and electricity and magnetism; with approximately equal emphasis on these two areas. The coursework is more intensive and more analytical than AP Physics B courses and requires the use of calculus to solve the problems posed.

Astronomy & Space Science
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 03004A000
This course offers students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. The course introduces and uses astronomic instruments and typically explores theories regarding the origin and evolution of the universe, space, and time. Students typically learn about time zones, latitude and longitude, atmosphere, weather, climate, matter, and energy transfer. Advanced topics include the study of the use of remote sensing, computer visualization, and computer modeling to enable earth scientists to understand earth as a complex and changing planet.

Aviation Physics
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Teacher recommendation
State Course Code: 03199A000
This course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study in this class also includes examination of sound, heat, light, and magnetic and electric phenomena. In addition, this course focuses on emphasizing the development of critical thinking associated with effective laboratory investigation. The course also encompasses special topics in aviation where students study the systems of an aircraft and become familiar with its instruments so they can fly an aircraft, according to the rules set forth by the FAA, on a flight simulator.

Biology
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 03051A000
Biology is designed to provide information regarding the fundamental concepts of life and life processes. The course includes (but is not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Biology Honors
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement Test or Teacher Recommendation
State Course Code: 03051A000
Biology is designed to provide information regarding the fundamental concepts of life and life processes. The course includes (but is not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. The class will be heavily oriented toward laboratory investigation and critical thinking skills. Students should have above average abilities in reading and science to be enrolled in this class.

Chemistry
Grade: 10
Length: 2 semesters
Credit: 1.0
Prerequisite: Biology
State Course Code: 03101A000
This course involves studying the composition, properties, and reactions of substances. The class explores such concepts as the behaviors of solids, liquids, and gases, acid/base and oxidation/reduction reactions, atomic structure, chemical formulas and equations, thermochemistry, and nuclear chemistry is also studied.

Chemistry Honors
Grade: 10
Length: 2 semesters
Credit: 1.0
State Course Code: 03101A000
Prerequisite: Biology and Teacher Recommendation
This course involves studying the composition, properties, and reactions of substances. The class explores such concepts as the behaviors of solids, liquids, and gases, acid/base and oxidation/reduction reactions, atomic structure, chemical formulas and equations, thermochemistry, and nuclear chemistry is also studied. Topics are covered at a faster pace with in-depth quantitative reasoning as the focus of each topic of study. Independent student projects and scientific investigations are course requirements.

Earth Science
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 03001A000
This course offers insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, this class explores oceanography, geology, astronomy, meteorology, and geography.

Forensic Science
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 03201A000
The course investigates the history of forensic science, methods of investigating a crime scene, types of evidence, analysis of fingerprints, hair, fibers, drugs, glass, soil, and blood. In addition, the students explore agencies that offer forensics services typical of labs and careers in forensic science. The class relies heavily on labs, text readings of forensic journals, and videos.

Physics
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Biology & Chemistry
State Course Code: 03151A000
This course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study in this class includes examination of sound, light, and magnetic and electric phenomena.

Physics Honors
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Biology, Chemistry and teacher recommendation
State Course Code: 03151A000
This course involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study in this class also includes examination of sound, light, and magnetic and electric phenomena. In addition, this course focuses on emphasizing the development of critical thinking associated with effective laboratory investigation.

Physiology
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Biology, Chemistry and teacher recommendation
State Course Code: 03055A000
The course examines all major systems, tissues, and muscle groups in the human body to help students understand how these systems interact and their role in maintaining homeostasis. The course also covers such topics as cell structure and function, metabolism, and the human life cycle.

SOCIAL SCIENCE

3 Credits Required – U.S. History and Civics content are required.

Course Name	9	10	11	12	Credit	Prerequisite[#]
World Civilizations*	X				1.0	none
World Civilizations Honors	X				1.0	Placement Test or Teacher Recommendation
World History—Overview	X				1.0	
AP Human Geography	X	X			1.0	Placement Test or Teacher Recommendation
AP World History	X	X			1.0	Placement Test or Teacher Recommendation
World Geography	X	X			.5	none
World Geography Honors	X	X			0.5	none
African American History		X	X	X	0.5	World Civilization
Law and Society*		X	X	X	0.5	none
Law and Society Honors		X	X	X	0.5	none
Latin American History		X	X	X	0.5	World Civilization
World Geography		X			1.0	
Civics Honors			X	X	0.5	World Civilization
Civics Regular			X	X	0.5	World Civilization
American Studies Honors			X		2.0	English 2 and World Civilizations and Teacher Recommendation
AP U.S. History			X		1.0	World Civilization
U.S. History*		X	X		1.0	World Civilization
AP European History				X	1.0	Completion of US History
AP Government				X	1.0	US History and Teacher Recommendation
Issues in America				X	1.0	World Civilization, U.S History
Psychology				X	0.5	U.S History, World Civilization
Sociology				X	0.5	U.S History, World Civilization

**These courses may have co-taught sections for English Language Learners and Special Education students and/or Instructional sections for Special Education students.*

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

African American History
Grade: 10-12
Length: 1 semester
Credit: 0.5
Prerequisite: World Civilization

State Course Code: 04107A000
This course examines the history, politics, economics, society and/or culture of African Americans in the United States. This course may focus primarily on the history of individuals of African Ancestry and take a more comprehensive approach to studying the contemporary issues affecting African Americans.

American Studies Honors
Grade: 11
Length: 2 semesters (double period)
Credit: 2.0 (English and Social Science)
Prerequisite: English 2 and World Civilizations and Teacher Recommendation
State Course Code: 04149A000
This year-long course meets two consecutive periods each day, allowing juniors to earn credit for English III Honors and United States History Honors by emphasizing student inquiry into the cultural, political, economic, social, and intellectual history of the United States. Students will participate in extensive discussion, writing, analytical reading, and self-determined projects to prepare them for later academic work. The required examination on the American government is included in the first semester. Students will also be required to complete a year-long community service/action project in which they research an issue within their community, create a solution, and present the solution to the community for consideration.

AP European History
Grade: 12
Length: 2 semesters
Credit: 1.0
State Course Code: 04056A000
Following the College Board's suggested curriculum designed to parallel college-level European History courses, AP European History courses examine European civilization from the High Renaissance period to the recent past and also expose students to the factual narrative. In addition, these courses help students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that understanding and analysis in writing.

AP Government
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: US History and Teacher Recommendation
State Course Code: 04150A000
This course gives students an analytical perspective on government and politics in the United States. It includes the study of general concepts used to interpret US government and politics and the analysis of specific examples. Students will become familiar with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

AP Human Geography
Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement Test or Teacher Recommendation
State Course Code: 04004A000

The AP Human Geography Course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and altercation of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about methods and tools geographers use in their research and applications.

AP U.S. History
Grade: 11
Length: 2 semesters
Credit: 1.0
Prerequisite: World Civilization
State Course Code: 04104A000
The course is intended for qualified students wishing to take a college-level U.S. History course while still in high school, composed of a chronological survey based on seven recurring historical themes with emphasis on the incorporation of historical thinking skills as constructed by the College Board in its revision of this course in 2014 and again in 2015. An important objective is preparing students for the AP U.S. History Examination. Students typically take this course junior year, but can elect to take the course senior year. This course satisfies the U.S. History graduation requirement.

AP World History
Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement Test or Teacher Recommendation
State Course Code: 04057A000
Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History courses examine world history from 8000 BCE to the present with the aim of helping students develop a greater understanding of the evolution of global processes and contracts and how different human societies have interacted. These courses highlight the nature of changes in an international context and explore their causes and continuity.

Civics Regular
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: World Civilization
State Course Code: 04161A000
Civics courses examine the rights, roles, powers, and responsibilities of individuals and institutions in the political system. Students will evaluate the opportunities and limitations of participation in elections, voting, and electoral process; analyze the impact of constitutions, laws, and agreements on the maintenance of order, justice, equality and liberty; explain how the US Constitution established a system of government that has powers, responsibilities, and limits that have changed over time and are still contested while promoting the common good and protecting rights.

Civics Honors
Grade: 11-12
Length: 1 semester
Credit: 0.5
Prerequisite: World Civilization

State Course Code: 04161A000
In Civics Honors, students analyze the rights, roles, powers, and responsibilities of individuals and institutions in the political system. Students will evaluate the opportunities and limitations of participation in elections, voting, and electoral process; analyze the impact of constitutions, laws, and agreements on the maintenance of order, justice, equality and liberty; explain how the US Constitution established a system of government that has powers, responsibilities, and limits that have changed over time and are still contested while promoting the common good and protecting rights.

Issues in America
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: World Civilization, U.S History
State Course Code: 04106A000
Issues in America studies the political, economic, and social issues facing the United States, with or without an emphasis on state and local issues. These courses may focus on current issues or may examine selected issues that span throughout the 20th century to the present.

Law and Society
Grade: 10-12
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 04163A000
This course is a survey of the criminal justice system, including agencies, legal terminology and processes involved in the administration of criminal justice. It provides an overview of police, prosecution, courts, juvenile justice and correctional system. An analysis of crimes and their proof in context of practical fact situations along with the problems of an administration of justice in a democratic society are also discussed. In addition, students will study consumer issues related to contracts, credit, purchasing goods and services, check writing, personal budgeting and career planning.

Law and Society Honors
Grade: 10-12
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 04163A000
This course takes a close examination of the criminal justice system, including agencies, legal terminology and processes involved in the administration of criminal justice. It provides an overview of police, prosecution, courts, juvenile justice and correctional system. An analysis of crimes and their proof in context of practical fact situations along with the problems of an administration of justice in a democratic society are also discussed. In addition, students will study consumer issues related to contracts, credit, purchasing goods and services, check writing, personal budgeting and career planning.

Latin American History
Grade: 10-12
Length: 1 semester
Credit: 0.5

Prerequisite: World Civilization
State Course Code: 04107A000
Latin American History examines the history politics, society and culture of countries located in Latin America. This course may focus primarily on the history of individuals and groups of people in Latin America and take a concentrated focus on the contemporary issues affecting Latin Americans and Hispanics.

Psychology
Grade: 12
Length: 1 semester
Credit: 0.5
Prerequisite: U.S History, World Civilization
State Course Code: 04254A000
Psychology introduces students to the study of individual human behavior. The course content typically includes (but not limited to) an overview of the field of psychology topics. Including, The field of psychology, Brain, body and behavior, sensation and perception, motivation and emotion, consciousness, and principles of learning.

Sociology
Grade: 12
Length: 1 semester
Credit: 0.5
Prerequisite: U.S History, World Civilization
State Course Code: 04258A000
Sociology introduces students to the study of human behavior in society. The course provides an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

U.S. History
Grade: 11
Length: 2 semesters
Credit: 1.0
Prerequisite: World Civilization
State Course Code: 04101A000
This course is designed to provide students with inquiry skills, and background knowledge necessary to critically analyze cultural, political, economic, social and intellectual events in American History. The course takes a chronological approach to teaching U.S. History and will teach students how to use primary sources, documentary material, statistical tables, graphs, maps, and chats as historical evidence. Analytical and discussion skills designed to prepare students for later academic work.

World Civilizations
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 04051A000
World Civilizations provides students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments.

World Civilizations Honors
Grade: 9
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement Test or Teacher Recommendation
State Course Code: 04051A000
World Civilizations honors provides students with an in-depth study of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments.

World Geography
Grade: 10
Length: 2 semesters
Credit: 1.0
State Course Code: 04001A000
World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

World Geography
Grade: 9-10
Length: 1 semester
Credit: .5
Prerequisite: None
State Course Code: 04001A000
Students are provided with an overview of world geography. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

World Geography Honors
Grade: 9-10
Length: 1 semester
Credit: 0.5
Prerequisite: None
State Course Code: 04001A000
Students are provided with an in-depth study of world geography. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

World History—Overview
Grade: 9
Length: 2 semesters
Credit: 1.0
State Course Code: 04051A000
World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.

SPECIAL EDUCATION

We believe that all students can learn. We provide special education students with equal access to regular education programs and facilities. Decisions regarding programs and placement are based on what is best for the student and provided within the school of attendance whenever possible. Special education students are taught in the least restrictive environment by qualified staff utilizing individualized methods and materials reflecting best practices. Diagnostic and support services should be made available to students in a manner which is non- discriminatory and recognizes the individual needs and differences of children, their families, their culture, and the community in which they live.

ACCESS (Resource)

The purpose of the ACCESS Program is to provide Resource assistance to students with Individualized Education Plans (IEPs) with their classes in the general education setting. The program provides strategies for students to organize, prioritize and process their assignments. This time is also used for test accommodations to be provided. A student may collaborate with the Access teacher to strengthen individual learning processes and develop methods for demonstrating mastery of a subject. This class meets for one class period during the academic day. It is weighted as an elective course and does not interfere with graduation requirements.

Co-Teaching

These classes are made up of two or more teachers delivering instruction at the same time in the same physical space to a heterogeneous group of students (Friend and Cook, 2004). Students are provided access to the general education curriculum and general education setting. Students will have the opportunity to be taught in an intense, individualized manner, while in their least restrictive environment. Co-Teaching classes are available at Proviso East and Proviso West in core content areas across all grade levels. Co-Teaching courses may also be utilized between special education and ELL programming. Descriptions for Co-Taught classes are within the academic department listings.

Instructional (Formerly Cross-Categorical)

Instructional Program provides special education services within the special education setting to students who required specialized small group instruction and/or intensive case management. This program provides a level of intervention in a general education school building that exceeds the services provided in the resource program. These classrooms are located at Proviso East and Proviso West High Schools and provide differentiated academic instruction at each student's individual academic level using specialized research-based materials and methods in a least restrictive school setting. It is the goal to increase instruction in the general education setting with continued support. Descriptions for Instructional classes are within the academic department listings.

Content Area	Course Name	9	10	11	12	Credit	Prerequisite
English	English/Language Arts I	X				1.0	Placement by staff
English	Strategic Reading	X				1.0	Placement by staff
English	English/Language Arts II		X			1.0	Placement by staff
English	English/Language Arts III			X		1.0	Placement by staff
English	English/Language Arts IV				X	1.0	Placement by staff
Mathematics	Informal Mathematics	X				1.0	Placement by staff
Mathematics	General Math		X			1.0	Placement by staff
Mathematics	Consumer Math			X		1.0	Placement by staff
Science	Biology	X	X			1.0	Placement by staff

Content Area	Course Name	9	10	11	12	Credit	Prerequisite
Science	Earth Science	X	X	X		1.0	Placement by staff
Science	Physical Science		X	X	X	1.0	Placement by staff
Social Science	World History - Overview	X				1.0	Placement by staff
Social Science	World Geography		X			1.0	Placement by staff
Social Science	US History— Comprehensive			X		1.0	Placement by staff
Special Education	ACCESS	X	X	X	X	1.0	Placement by staff
Special Education	Health Education	X	X			0.5	Placement by staff
Special Education	Driver Education: In the Classroom			X	X	0.5	Placement by staff
Special Education	Employability Skills			X	X	1.0	Placement by staff
Special Education	Miscellaneous Workplace Experience			X	X	1.0	Placement by staff

Course Descriptions (alphabetical order by content area)

English/Language Arts 1
Grade: 9
Length: 2 semesters
Credit: 1.0
State Course Code: 01001A000
English/Language Arts (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

English/Language Arts 2
Grade: 10
Length: 2 semesters
Credit: 1.0
State Course Code: 01002A000
English/Language Arts II (10th grade) courses usually focus on composition and literature. Typically, students learn about the different audiences of written compositions. Students study various works of literature and work on improving their reading rate and comprehension, in addition to developing skills to help determine the author's intent and theme. Students also continue to reinforce grammar, speaking, listening, and vocabulary usage.

English/Language Arts 3
Grade: 11
Length: 2 semesters
Credit: 1.0
State Course Code: 01003A000
English/Language II (11th grade courses) continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage as students work on writing extended writing passages. Students continue reading books of literature to improve reading rate and comprehension.

English/Language Arts 4
Grade: 12
Length: 2 semesters
Credit: 1.0
State Course Code: 01004A000
English/Language Arts IV (12th grade) courses combine composition and literature as students compare and analyze selected literature as they continue to develop their language arts skills. Typically, students write multi-paragraph essays, but may also write one research project.

Strategic Reading
Grade: 9
Length: 2 semesters
Credit: 1.0
State Course Code: 01066A000
Strategic Reading courses are intended to improve a student's vocabulary, critical-thinking and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Strategic Reading courses often have a time-management focus, offering strategies in note-taking for understanding and evaluating the important points of a text.

Informal Mathematics
Grade: 9
Length: 2 semesters
Credit: 1.0
State Course Code: 02001A000
Informal Mathematics courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general math, pre-algebra, and pre-geometry topics by applying numbers and algebraic concepts and relationships to real world problems.

General Math
Grade: 10
Length: 2 semesters
Credit: 1.0
State Course Code: 02003A000
General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers, area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

Consumer Math
Grade: 11
Length: 2 semesters
Credit: 1.0
State Course Code: 02157A000
Consumer Math courses reinforce general math topics (such as arithmetic using rational numbers, measurement, ratio and proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Biology
Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite:
State Course Code: 03051A000
Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. Biology labs focus on cell processes and life functions of living organisms.

Earth Science
Grades 9-11
Length: 2 semesters
Credit: 1.0
Prerequisite:
State Course Code: 03001A000
Earth Science courses offer insight into the environment on Earth and the earth's environment in space. While presenting concepts and principles essential to students' understanding of the dynamics and history of the Earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography. Students also participate in lab experiments that provide application to earth science concepts and the interaction between humans and Earth.

Physical Science
Grade: 10-12
Length: 2 semesters
Credit: 1.0
State Course Code: 03159A000
Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

US History—Comprehensive
Grade: 11
Length: 2 semesters
Credit: 1.0
State Course Code: 04101A000
US History—Comprehensive courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

World Geography
Grade: 10
Length: 2 semesters
Credit: 1.0
State Course Code: 04001A000
World Geography courses provide students with an overview of world geography. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

World History—Overview
Grade 9
2 semesters – 1.0 Credit
State Course Code: 04051A000
World History—Overview courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, scientific, and cultural developments. World History—Overview courses may include geographical studies, but often these components are not as explicitly taught as geography.

Access
State Course Code: 22003A000
Grade: 9-12
Length: 2 semesters
Credit: 1
Prerequisite: Placement by staff
Students' time in ACCESS (Advanced Collaboration and Communication for Education Support and Success) is divided into skill development and academic need. Depending on the academic needs of the student, the class allocates 40% of the time to skill development and 60% to academic need. Note that this percentage may vary considerably based upon any one student's immediate need. Students are expected to come to class prepared to complete specific instructions related to skills designed to achieve academic success. The remainder of the class time focuses on completion of academic work and addressing IEP goals.

Health Education
Grade: 9- 10
Length: 1 Semester
Credit: 0.5
Prerequisite: Placement by staff
State Course Code: 08051A000
Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

Driver Education: In the Classroom
Grades 11-12
Semester Course – 0.5 Credit
State Course Code: 08151A000
Prerequisite: Placement by staff
Driver Education: In the Classroom provides students with the knowledge and responsibilities to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs).

Employability Skills
Grade: 11-12
Length: 2 semesters
Credit: 1
Prerequisite: Placement by staff
State Course Code: 22152A000

Employability Skills courses help students match their interests and aptitudes to career options with a focus on using employment information effectively, acquiring and improving job-seeking and interview skills, composing job applications and resumes, and learning the skills needed to remain in an advance within the workplace. Course content may also include consumer education and personal money management topics.

Miscellaneous - Workplace Experience
Grade: 11-12
Length: 2 semesters
Credit: 1
Prerequisite: Placement by staff
State Course Code: 22998A000
Miscellaneous—Workplace Experience courses provide students with work experience in a field related to their interests. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. Note: if the particular subject area is known, use the code associated with the Workplace Experience course within that subject area.

TECHNOLOGY AND ENGINEERING

Content Area	Course Name	9	10	11	12	Credit	Prerequisite[#]
Automotive & Transportation	Automotive Technician I		X	X	X	1.0	Introduction to Technology
Automotive & Transportation	Automotive Technician II			X	X	2.0	Automotive Technician I
Technology & Engineering	Principles of Engineering	X	X	X		1.0	Algebra I or Integrated Math I (can be taken simultaneously)
Technology & Engineering	Introduction to Engineering Design	X	X			1.0	Algebra I or Integrated Math I (can be taken simultaneously)
Technology & Engineering	Introduction to Technology	X	X			1.0	None
Technology & Engineering	Computer Integrated Manufacturing			X	X	1.0	Introduction to Engineering Design, Principles of Engineering
Technology & Engineering	Engineering Design and Development				X	1.0	Introduction to Engineering Design, Principles of Engineering, Computer Integrated Manufacturing

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order by content area)

Automotive Technician I
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Principles of Technology
State Course Code: 20104A001
This course introduces students to the basic skills needed to inspect, maintain, and repair automobiles and light trucks that run on gasoline, electricity, or alternative fuels. Instructional units include engine performance, automotive electrical system, integrated computer systems, lubrication, exhaust and emission control, steering and suspension, fuel systems, cooling system, braking, and power train.

Automotive Technician II
Grade: 11-12
Length: 2 semesters (double period)
Credit: 2.0
Prerequisite: Automotive Technician I
State Course Code: 20104A002
This course is a continuation of and builds on the skills and concepts introduced in Automotive Technician I. This course includes instructional units in alternative fuel systems, computerized diagnostics, new vehicle servicing, automotive heating and air conditioning, transmissions, testing and diagnostics, drive train and overall automobile performance.

Introduction to Technology
Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 21052A002
This course provides learning experiences related to the principles that underlie today's high technology: force, work, rate, resistance, energy, power, and force transformers. The course deals with these principles as they apply in each of the four systems that make up both simplest and most complex technological devices and equipment: mechanical systems, fluid systems, electrical systems, and thermal systems. Learning experiences are designed to allow students to acquire knowledge and skills which are transferrable to postsecondary technical programs.

Computer Integrated Manufacturing
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Introduction to Engineering Design, Principles of Engineering
State Course Code: 21010A001
Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

Engineering Design and Development
Grade: 12
Length: 2 semesters
Credit: 1.0
Prerequisite: Introduction to Engineering Design, Principles of Engineering, Computer Integrated Manufacturing
State Course Code: 21006A001
The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

Introduction to Engineering Design
Grade: 9-10
Length: 2 semesters
Credit: 1.0
Prerequisite: Integrated Math I (can be taken simultaneously) or Algebra
State Course Code: 21006A001
This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software.

Principles of Engineering
Grade: 9-11
Length: 2 semesters
Credit: 1.0
Prerequisite: Integrated Math I (can be taken simultaneously) or Algebra
State Course Code: 21004A001
This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

Course Name	9	10	11	12	Credit	Prerequisite#
French I	X	X	X	X	1.0	None
French II		X	X	X	1.0	Successfully complete French I with C or higher or pass placement test.
French III			X	X	1.0	Successfully complete French II with C or higher or pass placement test.
Spanish I	X	X	X	X	1.0	None
Spanish I Literature & Culture	X	X	X	X	1.0	Placement Test
Spanish II	X	X	X	X	1.0	Successfully complete Spanish I with C or higher or pass placement test.
Spanish II Literature & Culture	X	X			1.0	Placement Test or successful completion of Spanish I
Spanish III		X	X	X	1.0	Successfully complete Spanish II with a C or higher or pass a placement test.
Spanish III Literature & Culture		X	X	X	1.0	Successfully complete Spanish II with an A or B or instructor recommendation.
AP Spanish Language and Culture			X	X	1.0	Complete Spanish III or Spanish II Literature & Culture with an A or B in previous year and Instructor recommendation.
AP Spanish Literature and Culture			X	X	1.0	Complete Spanish III or Spanish II Literature & Culture with an A or B in previous year and Instructor recommendation.

Note: *Students who are taking a modern language course for the first time have the option to be tested to determine the best instructional level for their skill in that language. Students who take the placement exam have the potential to enter the language sequence at the next course level up. Language test scores that indicate proficiency at one level will provide student to enroll in the next course level and then receive credit for the previous level course.*

#Prerequisite courses must be completed with a passing grade, unless stated otherwise.

Course Descriptions (alphabetical order by language)

French I
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 06121A000
Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

French II
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Successfully complete French I with C or higher or pass placement test.
State Course Code: 06122A000
French II courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French-speaking people to deepen their understanding of the culture(s).

French III
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Successfully complete French II with C or higher or pass placement test.
State Course Code: 06123A000
French III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Spanish I
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: None
State Course Code: 06101A000
Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish- speaking people.

Spanish I Literature & Culture
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Placement Test
State Course Code: 06106A000
Spanish Literature & Culture courses support, reinforce, and expand students' knowledge of Spanish. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Spanish Literature & Culture courses often move faster than do regular Spanish foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

Spanish II
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Successfully complete Spanish I with C or higher or pass placement test.
State Course Code: 06102A000
Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

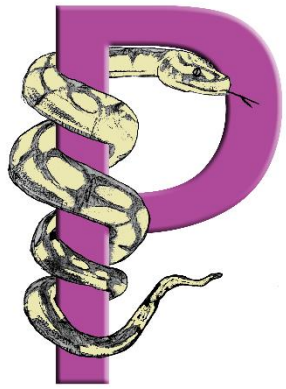
Spanish II Literature & Culture
Grade: 9-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Successfully complete Spanish I with an A or B or instructor recommendation.
State Course Code: 06102A000
Spanish Literature & Culture courses support, reinforce, and expand students' knowledge of Spanish. Because students understand at least the rudiments and structure of the language and have a working vocabulary (to a greater or lesser degree), Spanish Literature & Culture courses often move faster than do regular Spanish foreign language courses and emphasize literary development (with a study of literature and composition). These courses may also include the culture or history of the people and introduce translation skills.

Spanish III
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Successfully complete Spanish II with a C or higher or pass a placement test.
State Course Code: 06103A000
Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Spanish III Literature & Culture
Grade: 10-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Successfully complete Spanish II with an A or B or instructor recommendation.
State Course Code: 06103A000
Spanish III Literature & Culture focuses on having students express increasingly complex concepts both verbally and in writing while showing spontaneity. Comprehension goals for students include attaining more facility and faster understanding when listening to the language spoken at normal rates, ability to paraphrase or summarize written passages, and conversing easily within a variety of situations.

AP Spanish Language and Culture
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Complete Spanish III or Spanish 2 Literature & Culture with an A or B in previous year and Instructor recommendation.
State Course Code: 06112A000
Designed by the College Board to parallel third-year college-level courses in Spanish Composition and Conversation, AP Spanish Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, and so on.

AP Spanish Literature and Culture
Grade: 11-12
Length: 2 semesters
Credit: 1.0
Prerequisite: Complete Spanish III or Spanish II Literature & Culture with an A or B in previous year and Instructor recommendation.
State Course Code: 06113A000
Designed by the College Board to parallel college-level Introduction to Hispanic Literature courses, AP Spanish Literature courses cover representative works from the literatures of Spain and Spanish America, encompassing all genres. The courses build students' Spanish language proficiency so that they are able to read and understand moderately difficult prose and express critical opinions and literary analyses in oral and written Spanish (an ability equivalent to having completed a third-year college-level Spanish Language course). Students will work to develop vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.



PROVISO MATH AND SCIENCE ACADEMY

COURSE DESCRIPTIONS FOR PMSA

PROVISO MATH AND SCIENCE ACADEMY PROGRAMS

ALL COURSES AT PMSA ARE CLASSIFED AS HONORS, DUAL CREDIT, PRE-IB, IB, AND/OR ADVANCED PLACEMENT, WITH THE EXCEPTION CREDIT RECOVERY COURSES.

Advanced Placement Coursework
All PMSA students are required to complete a minimum of one Advanced Placement course prior to graduation.

PMSA Pre-IB Program Course Descriptions
These courses mirror the core 9th and 10th grade PMSA honors courses (English, Science, Mathematics and Social Sciences) but are designed to further prepare students for more rigorous academic work and assessments in the 11th and 12th grade years. PMSA Pre-IB Program courses focus on in-depth exploration of themes and topics in the various academic areas, are student-centered, and include project-based experiential learning components. Additionally, these courses are developed with an emphasis on global awareness and international mindedness.

Students in the PMSA Pre-IB Program may be required to complete Acceleration Summer School Courses (as determined by departmental recommendation) to enter into and/or remain eligible for continuing in the PMSA Pre-IB Program.

Except for those students exempted by state or District 209 Board of Education waiver, students must take wellness.

IB Diploma Programme Course Descriptions[1]
Enrollment in IB Diploma Programme courses requires admission into the PMSA IB Diploma Programme and registration as a candidate for the IB Diploma, which is a 2-year commitment. At least three (and no more than four) IB courses must be taken at the Higher Level (HL). The default HL courses are IB Language A: language and literature, IB History, and IB Biology.

Individual IB Diploma Programme courses may also be taken for an IB Certificate and require the permission of the current academic course instructor, parent permission and signed acknowledgement of and adherence to the PMSA IB Diploma Programme Preliminary Academic Honesty Policy.

Except for those students exempted by state or District 209 Board of Education waiver, students must take wellness.

Completion of the IB Diploma Programme entitles the student to graduation with Distinction.

[1] The course descriptions are based on information from the individual subject descriptions available at http://www.ibo.org and from the IB DP Subject Guides.

IB Diploma Programme Student Plan

The chart below outlines a sample course progression and yearly requirements designed to meet both PMSA and Proposed IB Diploma Programme requirements.

11th Grade	12th Grade
Wellness 3 *(Unless waiver is granted)*	Wellness 4 *(Unless waiver is granted)*
IB English A – Language & Literature 1 HL	IB English A – Language & Literature 2 HL
IB World Language 1 French B SL or Spanish B SL/HL	IB World Language 2 French B SL or Spanish B SL/HL
IB History 1 HL	IB History 2 HL
IB Biology 1 HL	IB Biology 2 HL
IB Mathematics: Applications and Interpretation - DP Year 1 or IB Mathematics: Analysis and Approaches - DP Year 1	IB Mathematics: Applications and Interpretation - DP Year 2 or IB Mathematics: Analysis and Approaches - DP Year 2
IB Elective (Art, Economics, Psychology, Physics)	PMSA Math Elective
TOK 1	TOK 2
[CAS]/[EE][2]	[CAS]/[EE][5]

[2] CAS (Creativity, Activity, Service) and EE (Extended Essay) are IB Diploma Core Requirements that students must satisfy, but these requirements are not scheduled subjects during their school day.

PROVISO MATH AND SCIENCE ACADEMY COURSE DESCRIPTIONS

ENGLISH

4 Credits Required

Required Courses: English I – British Literature; English II – World Literature; English III – American Literature; English IV – Literary Criticism (Or IB, AP or Dual Credit course equivalents)

Course Name	9	10	11	12	Credit	Prerequisite[#]
Pre IB English I – British Literature	X				1.0	None
Pre IB English II – World Literature		X			1.0	Pre IB English I
English III – American Literature			X		1.0	Pre IB English II
AP English Language and Composition		X	X	X	1.0	English I, II or III and Department Recommendation
IB Language A: Language and Literature - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of lnstructor (Certificate Candidates)
AP English Literature and Composition			X	X	1.0	English III and AP English Language and Composition or Department Recommendation
Creative Writing				X	0.5	English III with concurrent enrollment in English IV
Creative Writing (Dual Credit)*				X	0.5	English III with concurrent enrollment in English IV
English IV – Literary Criticism				X	1.0	English III
English IV – Literary Criticism – (Dual Credit)*				X	1.0	English III
IB Language A: Language and Literature - DP Year 2				X	1.0	IB Language A – DP Year 1
Journalism				X	0.5	English III with concurrent enrollment in English IV
Journalism (Dual Credit)*				X	0.5	English III with concurrent enrollment in English IV

*All Dual Credit courses require students to meet qualification requirements established by Triton College.

[#]Prerequisite courses must be completed with a passing grade.

AP English Language and Composition
Grade: 10, 11, 12
Length: 2 semesters
State Course Code: 01005A000
The AP® English Language and Composition course is designed to give students multiple opportunities to work with the rhetorical situation, examining the author's purposes as well as the audience and the subjects in texts. Students write in a variety of modes for a variety of audiences, developing a sense of personal style and an ability to analyze and articulate how the resources of language operate in any given text. Because students live in a highly visual world, they also study the rhetoric of visual media such as photographs, films, and advertisements. In concert with the College Board's English course description, the course teaches "students to read primary and secondary sources carefully, to synthesize material from these texts in their own compositions and to cite sources using conventions recommended by professional organizations such as the Modern Language Association (MLA)." Students work within the framework of World and American literature to develop critical reading skills, which determine the sequence of reading instruction in this course. Students are given the opportunity to read many great writers, thereby enhancing the literary experience. This class prepares students for the AP® English Language and Composition Exam. Triton College dual credit may be available. Students in this course are required to take the AP® Exam.
Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP English Literature and Composition
Grade: 11, 12
Length: 2 semesters
State Course Code: 01006A000
AP English Literature and Composition is a college preparatory reading and writing class that will enable students to develop critical standards for evaluating works of literary merit. Forms of written evaluation by students include literary analysis and argument. The first semester of the course will examine the individual journey toward self-expression; the second semester will explore the nature of conflict. This course will prepare students for the AP® Exam in Literature and Composition. Triton College dual credit may be available. Students in this course are required to take the AP® Exam associated with this content area.
Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

Creative Writing
Grade: 12
Length: 1 semester
State Course Code: 01104A000
This course introduces students to the concepts of creative writing, particularly, imagery in poetry and scene in creative non-fiction. Students also have the opportunity to participate in a spoken word event.

Creative Writing (Dual Credit)
Grade: 12
Length: 1 semester
State Course Code: 01104A000
This dual credit course introduces students to an in-depth analysis of creative writing, particularly, imagery in poetry and scene in creative non-fiction. Students also have the opportunity to participate in a spoken word event.

Pre IB English I – British Literature
Grade: 9
Length: 2 semesters
State Course Code: 01056A000
Course content includes in-depth study of British literature chosen from the appropriate IB list of texts and authors, and it is designed to improve students' accuracy and fluency in the English language. The pace, complexities, and demands of this curriculum require that students have a demonstrated capacity for abstract thought, as well as a natural curiosity about language, literature, and the writing process. Through a study of poetry, short stories, novels, essays, myth, and philosophy, students debate and answer essential questions addressing common themes of creation, heroism, happiness, honor, justice, and love. Composition exercises reflect individual responses to the themes and literatures studied along with a mastery of evidence-based argumentation. Students are challenged to develop unique approaches to composition that balance mechanics with a consideration of audience, purpose, and form. Oral expression takes the form of classroom discussion, formal speech, informative presentation, dramatic interpretation, and group interaction.

Pre IB English II – World Literature
Grade: 10
Length: 2 semesters
State Course Code: 01058A000
Students will explore a variety of literary selections from ancient to modern times from countries around the world, including an emphasis on British literature. Students will improve their critical-thinking skills as they comprehend the diversity of literary traditions and the influences of those traditions. There is also a significant focus on College and Career Readiness Standards, as well as those associated with the Common Core. Enrichment opportunities are provided to students to prepare them for college-level reading and writing through increased exposure to literature and more authentic writing and speaking assessments throughout the year.

English III – American Literature
Grade: 11
Length: 2 semesters
State Course Code: 01054A000
This rigorous course focuses on classic American literature and informational pieces. Texts, class discussions, and projects will focus on the rich cultural, philosophical, and political diversity of a people trying to realize their dreams. Composition emphasis will focus on the proof of an arguable thesis and the development of rhetorical analysis. Attention will be paid to the development of a cogent and clear style. An analytical research paper relevant to American culture and ideas will develop the skills of research, organization, and synthesis. Additionally, students will study formal outlining and bibliography preparation. Review and further development of English conventions and usage are integrated within each instructional unit to help strengthen students' writing abilities.

English IV – Literary Criticism
Grade: 12
Length: 2 semesters
State Course Code: 01004A000
Through active reading, students will read and analyze American, ethnic, and foreign short stories, as well as novels to explore various narrative forms, perspectives, voices, modes, and approaches to fiction. Students will lead discussions on structure, symbolism, and other literary devices to determine the impact of the author's choices in developing elements of story. Writing skills are developed through essays of literary analysis and character narratives. English IV – Literary Criticism, is designed for students who enjoy reading fiction, engaging in intellectual inquiry, and participating in dynamic discussions of complex issues. In addition to practicing the methods of close reading and discussion-leading, students will deeply evaluate author's arguments in critical essays.

English IV – Literary Criticism – (Dual Credit)
Grade: 12
Length: 2 semesters
State Course Code: 01004A000
This is a dual credit course. Through active reading, students will read and analyze American, ethnic, and foreign short stories, as well as novels to explore various narrative forms, perspectives, voices, modes, and approaches to fiction. Students will lead discussions on structure, symbolism, and other literary devices to determine the impact of the author's choices in developing elements of story. Writing skills are developed through essays of literary analysis and character narratives. English IV – Literary Criticism, is designed for students who enjoy reading fiction, engaging in intellectual inquiry, and participating in dynamic discussions of complex issues. In addition to practicing the methods of close reading and discussion-leading, students will evaluate author's arguments in critical essays.

IB Language A: Language and Literature - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 01007A000
Through a study of language and literature, students will be able to better see and understand the world in which they live. Students will be encouraged to question meaning by focusing on the language of texts. Students will critically study and interpret written and oral, literary and non-literary texts. Students will conduct a formal analysis of texts to include the idea that meaning is contextual. Students will undertake the study of the cultural development and usage of the English language as well as its media and literature. Students will be required to analyze texts and to present their ideas. Year 1 topics include: language & the individual, language & social relations, language & power, textual bias, stereotypes, persuasive language.

IB Language A: Language and Literature - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 01007A000
Students will continue to critically study and interpret various types of texts, questioning meaning and focusing on language. Year 2 topics include: critical study of literature, literary terminology, the influence of formal elements of the text, genre and structure, understanding attitudes and values and their impact on readers, close reading, The changing historical cultural and social contexts in which texts are written and received. formal assessments will include an individual oral commentary and a further oral activity. Additionally, students are required to sit the IB examinations in May, which include a comparative textual analysis, an essay and two written tasks.

Journalism
Grade: 12
Length: 1 semester
State Course Code: 01155A000
This course introduces techniques of news writing, including gathering information, interviewing, writing, editing, and reporting. Students will assess how these techniques are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices. As students prepare copy for publication in PMSA's newspaper, The Voice, they will write and edit news stories, features, editorials, columns, and reviews. This course will also emphasize effective interpersonal and team-building skills.

Journalism (Dual Credit)
Grade: 12
Length: 1 semester

State Course Code: 01155A000

This dual credit course introduces techniques of news writing, including gathering information, interviewing, writing, editing, and reporting. Students will assess how these techniques are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices. As students prepare copy for publication in PMSA's newspaper, The Voice, they will write and edit news stories, features, editorials, columns, and reviews. This course will also emphasize effective interpersonal and team-building skills.

Course Name	9	10	11	12	Credit	Prerequisite#
Robotics I (Dual Credit)*	X	X	X	X	1.0	None
Introduction to Engineering Design	X	X			1.0	None
Principles of Engineering	X	X			1.0	None
Engineering Design & Development			X	X	1.0	Principles of Engineering and Introduction to Engineering Design
Aerospace Engineering			X	X	1.0	Principles of Engineering and Introduction to Engineering Design
Digital Electronics			X	X	1.0	Principles of Engineering and Introduction to Engineering Design
Computer Integrated Manufacturing			X	X	1.0	Principles of Engineering and Introduction to Engineering Design
Technological Design			X	X	1.0	Technology & Society OR Departmental Recommendation

*All Dual Credit courses require students to meet qualification requirements established by Triton College.

#Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Aerospace Engineering
Grade: 11, 12
Length: 2 semesters
State Course Code: 21013A001
Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity). This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

Computer Integrated Manufacturing
Grade: 11, 12
Length: 2 semesters
State Course Code: 21010A001
This course applies principles of robotics and automation in manufacturing through computer control. The course builds on computer solid modeling skills developed in Introduction to Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing and design analysis are included. Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

Digital Electronics
Grade: 11, 12
Length: 2 semesters
State Course Code: 21008A000
Digital Electronics courses teach students how to use applied logic in the development of electronic circuits and devices. Students may use computer simulation software to design and test digital circuitry prior to the actual construction of circuits and devices.

Engineering Design & Development
Grade: 11
Length: 2 semesters
State Course Code: 21007A002
This course is an advanced course in which students demonstrate mastery of knowledge and skills from previous pre-engineering courses to develop an original product or machine design. In groups using project-based learning, students research, design, and construct a solution to an engineering problem. Students apply principles developed in the preceding courses and are guided by an industry mentor. Students must present progress reports, submit a final written report, and defend their solutions to a panel of outside reviewers at the end of the course. Students are placed in management situations in production operations to develop leadership and entrepreneurship skills. Students are responsible for scheduling, pricing, procuring materials and equipment, and the maintaining of equipment. The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post-secondary program or career.

Introduction to Engineering Design
Grade: 9
Length: 2 semesters
State Course Code: 21006A001
Offered in alternate years This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work.

Principles of Engineering
Grade: 10
Length: 2 semesters
State Course Code: 21004A001
Offered in alternate years This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Robotics I (Dual Credit)
Grade: 9-12
Length: 2 semesters
State Course Code: 21009A000
Robotics course develops and expands students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers. This course will fulfill CTE requirement and will receive college credit at Triton. Course will be taught by Triton Adjunct professor and co-taught with PMSA teacher that has an Engineering background. Student will receive 2 credit hours per semester from Triton. Course will be taught after school from 3:30 to 5:00 twice a week.

Technological Design
Grade: 11-12
Length: 2 semesters
State Course Code: 21054A001
In Technological Design, engineering scope, content, and professional practices are presented through practical applications. Students in engineering teams apply technology, science, and mathematics concepts and skills to solve engineering design problems and innovate designs. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics. This course is an essential experience for students who are interested in technology, innovation, design, and engineering.

MATHEMATICS

5 Credits Required

Common Pathways:

Integrated Math I, Integrated Math II, Integrated Math III, Mathematical Studies, (1 - Math Elective)
OR
Integrated Math I, Integrated Math II, Integrated Math III, Pre-Calculus (Dual Credit), (1 - Math Elective)
OR
Integrated Math I, Integrated Math II, IB Mathematics: Applications and Interpretation or IB Mathematics: Analysis and Approaches, (1 - Math Elective)
(Or IB, AP or Dual Credit course equivalents)

Course Name	9	10	11	12	Credit	Prerequisite[#]
Pre-IB Integrated Math I	X				1.0	Acceptance into the PMSA Pre-IB Program, Pre-IB Summer Acceleration Integrated Math I OR Placement Test
Advanced Pre-IB Integrated Math I	X				1.0	Placement Test
Pre-IB Integrated Math II		X			1.0	Pre-IB Integrated Math I, Pre-IB Summer Acceleration Integrated Math II OR Placement Test
Pre-IB Summer Acceleration Integrated Math II		X			0.5	PMSA Pre-IB Integrated Math I AND Departmental Recommendation
Advanced Pre-IB Integrated Math II		X			1.0	Advanced Pre-IB Integrated Math 1
Advanced Integrated Math III		X	X		1.0	Integrated Math II, Departmental Recommendation
Integrated Math III		X	X		1.0	Integrated Math II
AP Computer Science Principles		X	X	X	1.0	Integrated Math 1
AP Calculus AB			X	X	1.0	(Pre-Calculus (Dual Credit)*, Department Recommendation) OR (Integrated Math III, Mathematical Studies, Department Recommendation)
AP Calculus BC			X	X	1.0	Advanced Placement (AP®) - Calculus AB, and Department Recommendation
AP Computer Science			X	X	1.0	Junior/Senior-level standing and Department Recommendation
AP Statistics			X	X	1.0	Integrated Math II, Department Recommendation, Junior or Senior level standing
IB Mathematics: Applications and interpretation - DP Year 1			X	X	1.0	Acceptance into the IB Diploma Programme/Permission of Instructor (Certificate Candidates), Integrated Math III
Pre-Calculus (Dual Credit)*			X	X	1.0	(Integrated Math II, Department Recommendation)
IB Mathematics: Analysis and approaches - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of Instructor (Certificate Candidates), Integrated Math III
Mathematical Studies			X		1.0	Integrated Math II

Course Name	9	10	11	12	Credit	Prerequisite[#]
Pre-IB Summer Acceleration Integrated Math III			X		1.0	Pre-IB Integrated Math 2
College Mathematics[+]				X	1.0	(Integrated Math III, Mathematical Studies) OR (Integrated Math III, Pre-Calculus (Dual Credit)*)
IB Mathematics: Applications and interpretation - DP Year 2				X	1.0	IB Mathematics: Applications and interpretation - DP Year 1
IB Mathematics: Analysis and approaches - DP Year 2				X	1.0	IB Mathematics: Analysis and approaches - DP Year 1

*All Dual Credit courses require students to meet qualification requirements established by Triton College.

[+]This course satisfies PWR Act Transitional Math requirements.

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Advanced Integrated Math III
Grade: 10, 11
Length: 2 semesters
State Course Code: 02303A000
Advanced Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. Advanced Integrated Math III covers the following topics: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. Advanced Integrated Math III involves the study of polynomial, rational, logarithmic and trigonometric functions represented algebraically, graphically, numerically in tables and by verbal descriptions. Students write equivalent polynomial, rational, trigonometric and logarithmic expressions to reveal information and key features. Students make geometric constructions and apply geometric concepts and trigonometric ratios to describe, model and solve problems. Students distinguish among sample surveys, experiments and observational studies to determine and interpret data. With this course, students further explore quadratic functions and extend learning to polynomial functions. Students extend their understanding of arithmetic and geometric sequences to series, and their knowledge of trigonometric ratios to trigonometric functions. Additionally, students explore distributions of data, confidence intervals, and statistical significance.

AP Calculus AB
Grade: 11, 12
Length: 2 semesters
State Course Code: 02124A000
*Dual Credit students must meet qualification requirements established by Triton College This course is intended for the mature student interested in earning college credit. Students investigate differential and integral calculus with algebraic and transcendental functions. Special emphasis is given to techniques of integration and application to maxima and minima, related rate, curve sketching, area and volume problems. Analytic geometry is also studied with emphasis on equations of curves. Students interested in pursuing careers in engineering, medicine, and the sciences should consider this course necessary for these careers. Explore the key concepts, methods, and applications of single-variable calculus including functions, graphs, and limits, derivatives, integrals, and the

Fundamental Theorem of Calculus. Become familiar with concepts, results, and problems expressed in multiple ways including graphically, numerically, analytically, and verbally. Use technology to help solve problems, experiment, interpret results, and support your conclusions. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Calculus BC
Grade: 11, 12
Length: 2 semesters
State Course Code: 02125A000
*Dual Credit students must meet qualification requirements established by Triton College Explore the key concepts, methods, and applications of single-variable calculus including all topics covered in AP® Calculus AB (functions, graphs, and limits, derivatives, integrals, and the Fundamental Theorem of Calculus) as well as additional topics in differential and integral calculus, such as parametric, polar and vector functions, and series. Become familiar with concepts, results, and problems expressed in multiple ways including graphically, numerically, analytically, and verbally. Use technology to help solve problems, experiment, interpret results, and support your conclusions. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Computer Science
Grade: 11, 12
Length: 2 semesters
State Course Code: 10157A000
AP Computer Science A is based on the syllabus developed by the College Board. Students are introduced to the formal concepts of object-oriented computer programming, including program design, control structures, data structures and algorithms using the Java programming language. Students will gain an understanding of the history of computing, and the nature of hardware and software, the software design process, and the basics of object-oriented programming, as well as the ethical considerations of computer science. They will also gain a familiarity with Java classes, objects, and data types; basic Java syntax; constructor, accessor, and mutator methods; decision and looping statements; and logical operators, among others. Students will have the opportunity to further develop and refine their programming skills by focusing on the techniques of data abstraction, including encapsulation and inheritance. In particular, the emphasis is on the organization of information and the implementation of common data structures such as arrays and array lists, as well as various searching and sorting methods through such structures. Students also explore recursion and the close relationship between data structures and algorithms including basic complexity analysis and comparisons between several different methods. In addition, AP® Computer Science A is a course designed to enhance students' logical problem solving abilities. Not only does it increase student understandings of the Java language, but it also builds analytical skills that are valuable in the field of computer science, in other academic courses, and in life in general. This class will enable students to significantly increase their computer science and programming skills - skills that are needed in an ever-increasing array of college courses and workplaces. Throughout this course, students are encouraged to work individually and collectively to solve problems, share solutions, and make important discover. Triton College dual credit may be available. Students in this course are required to take the AP® Exam associated with this content area.
Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Computer Science Principles
Grade: 10-12
Length: 2 semesters
State Course Code: 10161A000
AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts.

AP Statistics
Grade: 11, 12
Length: 2 semesters
State Course Code: 02203A000
Learn about the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Develop analytical and critical thinking skills as you learn to describe data patterns and departures from patterns, plan and conduct studies, use probability and simulation to explore random phenomena, estimate population parameters, test hypotheses, and make statistical inferences. Triton College dual credit may be available. Students in this course are required to take the AP® Exam associated with this content area. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

Advanced Pre-IB Integrated Math I
Grade: 9
Length: 2 semesters
State Course Code: 02061A000
This course prepares students to take the International Baccalaureate at the subsidiary or higher level. Topics include the integration of operations and properties of number sets; trigonometric functions, equations, graphs, algebra and coordinate geometry; some linear equations, polynomial and quadratic functions and equations; logarithmic functions, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. The multi-period sequence of integrated math replaces the traditional algebra1, geometry, algebra 2 sequence of courses, and covers the following topics during a 3 or 4 year sequence; algebra, functions, geometry from both synthetic and algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure.

Advanced Pre-IB Integrated Math II
Grade: 10
Length: 2 semesters
State Course Code: 02061A000
This course prepares students to take the International Baccalaureate at the subsidiary or higher level. Topics include the integration of operations and properties of number sets; trigonometric functions, equations, graphs, algebra and coordinate geometry; some linear equations, polynomial and quadratic functions and equations; logarithmic functions, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. The multi-period sequence of integrated math replaces the traditional algebra 1, geometry, algebra 2 sequence of courses, and covers the following topics during a 3 or 4-year sequence; algebra, functions, geometry from both synthetic and algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure.

College Mathematics
Grade: 12
Length: 2 semesters
State Course Code: 02102A000
Discrete Mathematics courses include the study of topics such as number theory, discrete probability, set theory, symbolic logic, Boolean algebra, combinatorics, recursion, basic algebraic structures, graph theory, consumer mathematics, numeral systems, and geometry in nature and in daily life. Satisfies Illinois PWR Act for Transitional Math.

IB Mathematics: Applications and Interpretation - DP Year 1
Grade: 11, 12
Length: 2 semesters
State Course Code: 02131A000
IB Mathematical Studies emphasizes the applications of mathematics with a focus on statistical techniques. This course is designed for students of varied mathematical backgrounds and abilities, giving them the opportunity to

gain understanding and learn the concepts and techniques to enable them to solve problems in a variety of settings. Students will learn important concepts and techniques and gain an understanding of various mathematical topics (including number and algebra, descriptive statistics, logic/sets/probability, statistical applications, geometry and trigonometry, mathematical models, intro to differential calculus). Students will undertake a project involving the collection of information or the generation of measurements, and the analysis and evaluation of the information or measurements. Students will be able to apply the skills and techniques learned in Mathematical Studies to the needs of their other DP courses or in their post-secondary studies. (Additionally, students are required to take the IB examinations in May, which include short response and extended response questions.)

IB Mathematics: Applications and Interpretation - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 02131A000
IB Mathematical Studies emphasizes the applications of mathematics with a focus on statistical techniques. This course is designed for students of varied mathematical backgrounds and abilities, giving them the opportunity to gain understanding and learn the concepts and techniques to enable them to solve problems in a variety of settings. Students will learn important concepts and techniques and gain an understanding of various mathematical topics (including number and algebra, descriptive statistics, logic/sets/probability, statistical applications, geometry and trigonometry, mathematical models, intro to differential calculus). Students will undertake a project involving the collection of information or the generation of measurements, and the analysis and evaluation of the information or measurements. Students will be able to apply the skills and techniques learned in Mathematical Studies to the needs of their other DP courses or in their post-secondary studies. (Additionally, students are required to take the IB examinations in May, which include short response and extended response questions.)

IB Mathematics: Analysis and Approaches - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 02132A000
IB Mathematics focuses on introducing important mathematical concepts through the development of mathematical techniques. Students will be introduced to these concepts in a comprehensible and coherent way. Students will be able to apply the mathematical knowledge they have acquired to solve realistic problems set in an appropriate context. Moreover, the primary aim of all IB Mathematics courses is that the students enjoy mathematics and appreciate its elegance and power. Topics of study include statistics and probability, algebra, functions, trigonometry. Each student will be introduced to the mathematics exploration, in which he/she will take a considered approach to various mathematical activities and explore different mathematical ideas on a topic of his/her choice. (Additionally, students are required to take the IB examinations in May, which include short response and extended response questions.)

IB Mathematics: Analysis and Approaches - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 02132A000
Students will continue the study of important mathematical concepts through the development of mathematical techniques. Students will be able to apply the mathematical knowledge they have acquired to solve realistic problems set in an appropriate context. Topics of study include calculus and vectors. Students will complete the mathematics exploration introduced in Year 1. (Additionally, students are required to take the IB examinations in May, which include short response and extended response questions.

Integrated Math III
Grade: 10, 11
Length: 2 semesters
State Course Code: 02303A000

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. Integrated Math III covers the following topics: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. Integrated Math III involves the study of polynomial, rational, logarithmic and trigonometric functions represented algebraically, graphically, numerically in tables and by verbal descriptions. Students write equivalent polynomial, rational, trigonometric and logarithmic expressions to reveal information and key features. Students make geometric constructions and apply geometric concepts and trigonometric ratios to describe, model and solve problems. Students distinguish among sample surveys, experiments and observational studies to determine and interpret data. With this course, students further explore quadratic functions and extend learning to polynomial functions. Students extend their understanding of arithmetic and geometric sequences to series, and their knowledge of trigonometric ratios to trigonometric functions. Additionally, students explore distributions of data, confidence intervals, and statistical significance.

Mathematical Studies
Grade: 11
Length: 2 semesters
State Course Code: 02109A000
Mathematical Studies is intended to provide students with the skills to cope with the mathematical demands of a technological society, course topics include linear, quadratic, and exponential functions, solutions, and graphs; skills in computation, estimation, and development of algorithms; data analysis, including collection, calculation, and presentation of statistics; set operations and logic; business techniques, including progressions and linear programming; and geometry and trigonometry.

Pre-Calculus (Dual Credit)
Grade: 11, 12
Length: 2 semesters
State Course Code: 02110A000
Operations on real and complex numbers, functional representation, systems of equations, determinants, mathematical induction, and theory of equations and inequalities are covered. Also included is an introduction to the basic ideas of the relational aspects of plane trigonometry.

Pre-IB Integrated Math I
Grade: 9
Length: 2 semesters
State Course Code: 02301A000
This course will emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. Pre-IB Integrated Math I covers the following topics: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. Pre-IB Integrated Math I involves the study of linear and exponential functions (with domains in the integers), including application and interpretation of statistics and real-world situations. Students reason about functions and the number and nature of solutions to equations, systems of equations, inequalities and systems of inequalities. Students define congruence using transformational geometry. Students apply transformations to linear, exponential, piece-wise, absolute value, square root and cube root functions. They explore these function types represented algebraically, graphically, numerically in tables, and by verbal descriptions. Students practice solving problems and expressing solutions in multiple ways while learning how various mathematics disciplines are connected. It will also involve the study of quadratic and exponential functions represented algebraically, graphically, numerically in tables and by verbal descriptions. Students write equivalent radical, rational and quadratic expressions to reveal information using properties of exponents, completing the square, and/or factoring. Students define similarity using transformational geometry and use this definition to prove geometric theorems. Students learn and apply trigonometric ratios, the Pythagorean Theorem and the

relationship between sine and cosine to solve problems. Students recognize, calculate and use conditional probability and independence. This course focuses on increasing students' complete mathematical understanding as they work with geometric relationships, coordinate planes, trigonometric ratios, and quadratic functions.

Pre-IB Integrated Math II
Grade: 10
Length: 2 semesters
State Course Code: 02302A000
This course will emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. It covers the following topics: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. Pre-IB Integrated Math II involves the study of quadratic and exponential functions represented algebraically, graphically, numerically in tables and by verbal descriptions. Students write equivalent radical, rational and quadratic expressions to reveal information using properties of exponents, completing the square, and/or factoring. Students define similarity using transformational geometry and use this definition to prove geometric theorems. Students learn and apply trigonometric ratios, the Pythagorean Theorem and the relationship between sine and cosine to solve problems. Students recognize, calculate and use conditional probability and independence. This course focuses on increasing students' complete mathematical understanding as they work with geometric relationships, coordinate planes, trigonometric ratios, and quadratic functions. It will also involve the study of polynomial, rational, logarithmic and trigonometric functions represented algebraically, graphically, numerically in tables and by verbal descriptions. Students write equivalent polynomial, rational, trigonometric and logarithmic expressions to reveal information and key features. Students make geometric constructions and apply geometric concepts and trigonometric ratios to describe, model and solve problems. Students distinguish among sample surveys, experiments and observational studies to determine and interpret data. With this course, students further explore quadratic functions and extend learning to polynomial functions. Students extend their understanding of arithmetic and geometric sequences to series, and their knowledge of trigonometric ratios to trigonometric functions. Additionally, students explore distributions of data, confidence intervals, and statistical significance.

Pre-IB Summer Acceleration Integrated Math II
Grade: (Rising Sophomores - Summer prior to Sophomore year)
Length: 1 semester
State Course Code: 02302A000
This course will bridge Pre-IB Integrated Math I and Pre-IB Integrated Math II and is designed to prepare the student for the following topics: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. This course will involve the study of quadratic and exponential functions represented algebraically, graphically, numerically in tables and by verbal descriptions. Students write equivalent radical, rational and quadratic expressions to reveal information using properties of exponents, completing the square, and/or factoring.

Pre-IB Summer Acceleration Integrated Math III
Grade: Rising Juniors – (Summer prior to Junior year)
Length: 2 semesters
State Course Code: 02303A000
This course prepares students to take the International Baccalaureate at the subsidiary or higher level. Topics include the integration of operations and properties of number sets; trigonometric functions, equations, graphs, algebra and coordinate geometry; some linear equations, polynomial and quadratic functions and equations; logarithmic functions, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. The multi-period sequence of integrated math replaces the traditional algebra1, geometry, algebra 2 sequence of courses, and covers the following topics during a 3 or 4 year sequence; algebra,

functions, geometry from both synthetic and algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure. This course is for students who choose to accelerate their math skills during summer.

RESEARCH & THEORETICAL STUDIES

1 Credit Required
Required Course: Research Core – Social Science OR Research Core – Science OR IB Theory of Knowledge (IB students only)

The Research curriculum provides students with multiple opportunities to pursue areas of study that are of personal interest. This includes, but is not limited to, mentorships in the areas of medicine, physics, chemistry, biology, the arts, languages, mathematics, technology, and business. This placement is dependent upon the availability and interests of both students and mentors.

The two–tiered graduation system differentiates according to the depth of the research commitment. Students choosing to pursue an area of significant research and committing to produce and defend the work and the product will after successful completion of Research Core, apply for placement in Senior Research Mentorship. Students who successfully complete the 2-year research program and defend their research will be awarded Graduation with Distinction honors.

Course Name	9	10	11	12	Credit	Prerequisite[#]
Research Core – Social Science			X		1.0	Junior level standing
Research Core – Science			X		1.0	Junior level standing
IB Theory of Knowledge - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of lnstructor (Certificate Candidates)
IB Theory of Knowledge - DP Year 2				X	1.0	IB Theory of Knowledge - DP Year 1
Research Mentorship				X	2.5	Successful completion of Research Core, completed application, minimum 3.5 GPA, and teacher recommendations

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

IB Theory of Knowledge - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 04304A000
What do we know? How do we know that we know it? What are the different ways in which we know? The Theory of Knowledge course uses critical thinking and inquiry-based instruction to delve deeply into the nature and process of knowing and by doing so, enhances and enriches the study of all the other subject areas. Students will explore the distinction between personal and shared knowledge, identify the eight different ways of knowing and connect these to areas of knowledge (e.g. mathematics, science, arts, history, ethics, religious and indigenous knowledge systems).

IB Theory of Knowledge - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 04304A000

IB Theory of Knowledge - DP Year 2 continues the exploration of the nature of knowledge and ways of knowing as well as continuing the development of students' critical and analytic skills. Additionally, students are required to complete an essay on an IB title (from a list of six prescribed by the IB) and are required to present upon a knowledge question raised by a substantive real-life situation of their own interest. The presentation can be done either individually or as a member of a small group (3 person maximum).

Research Core - Science
Grade: 11
Length: 2 semesters
State Course Code: 03212A000
Students will conduct research in this course with an emphasis on the physical and life sciences. Research and inquiry are core tenets of the Academy program. Students will explore real world problems of their choice using qualitative and quantitative methods. Final assessments will be the presentation of a poster at the annual Research Symposium.

Research Core – Social Science
Grade: 11
Length: 2 semesters
State Course Code: 04261A000
Students will conduct research in this course with an emphasis on the social sciences. Research and inquiry are core tenets of the Academy program. Students will explore real world problems of their choice using qualitative and quantitative methods. Final assessments will be the presentation of a poster at the annual Research Symposium.

Research Mentorship
Grade: 12
Length: 2 semesters
State Course Code: 04261A000
Research and inquiry are central foci of the work at the Proviso Mathematics and Science Academy. Students will work alongside scientists and other professionals to engage in meaningful, real-world efforts. Students may very well engage in research efforts that follow personal interests. The PMSA Research Mentorship Program provides an opportunity for students to obtain individualized guidance from a professional in the local community. Students will collaborate with a mentor knowledgeable in similar fields of study, research interests, and extracurricular activities. At its heart, research is simply a matter of trying to answer questions. This class will examine how those questions are developed, various manners in which answers can be uncovered, and the interpretations discovered from the answers. As a final assessment, students are required to create a poster and defend their research at the annual Research Symposium.

SCIENCE

4 Credits Required

Required Courses: Physics, Chemistry, Biology, and choice of Elective (Or IB, AP or Dual Credit course equivalents)

Course Name	9	10	11	12	Credit	Prerequisite[#]
Pre-IB Physics	X				1.0	Acceptance into the PMSA Pre-IB Program
Pre-IB Chemistry		X			1.0	PMSA Pre-IB Physics
AP Biology*			X	X	1.0	Chemistry, Department Recommendation; OR Biology, Departmental Recommendation
Biology			X		1.0	Chemistry
IB Physics			X		1.0	Acceptance into the IB Diploma Programme/Permission of Instructor (Certificate Candidates)
IB Chemistry			X		1.0	Acceptance into the IB Diploma Programme/Permission of Instructor (Certificate Candidates)
IB Biology - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of Instructor (Certificate Candidates)
IB Biology - DP Year 2				X	1.0	IB Biology - DP Year 1
IB Physics - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of Instructor (Certificate Candidates)
IB Physics - DP Year 2				X	1.0	IB Physics - DP Year 1
Human Genetics				X	1.0	Biology
Anatomy and Physiology				X	1.0	Biology
AP Physics*				X	1.0	Senior Level Standing and Department Recommendation
AP Chemistry*				X	1.0	Biology, and Department Recommendation
Forensics				X	1.0	Biology

*All Dual Credit courses require students to meet qualification requirements established by Triton College.

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Anatomy and Physiology

Grade: 12

Length: 2 semesters

State Course Code: 03053A000

This course is a comprehensive college preparatory elective science course. Topics will include the organization of the human body, basic biochemistry, cells and tissues, integumentary system, skeletal system, muscular system, nervous system, special senses, endocrine system, cardiovascular system, lymphatic and immune system, respiratory system, digestive system, urinary system, reproductive system, development and inheritance. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments and computer simulations.

AP Biology
Grade: 11, 12
Length: 2 semesters
State Course Code: 03056A000
AP® Biology includes topics that are regularly covered in a college introductory biology course and differs significantly from the standards-based, high school biology course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work performed by students, and the time and effort required of the students. The textbook used by AP® Biology is also used by college biology majors and the kinds of labs done by AP® students are equivalent to those done by college students. AP® Biology is a course that aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Chemistry
Grade: 12
Length: 2 semesters
State Course Code: 03101A000
This course is a science elective that gives students an opportunity to earn credit for one year of general chemistry based on performance on the College Board Advanced Placement (AP®) Exam in chemistry. This rigorous mathematics-based course will further develop student's ability to solve chemistry problems through laboratory and classroom experiences. Topics covered include matter and measurements, atomic structure, basic concepts of quantum theory, bonding, periodic trends, stoichiometry of reactions, thermochemistry, kinetic molecular theory, concepts of the liquid and solid states, solutions, redox reactions, acid-base theories, kinetics, free energy, entropy and equilibria. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Physics
Grade: 12
Length: 2 semesters
State Course Code: 03163A000
Designed by the College Board, AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

Biology
Grade: 11
Length: 2 semesters
State Course Code: 03051A000
This course deals with the study of living things and attempts to develop understandings of basic biological principles. Emphasis is placed upon the chemical and physical basis of life, the continuity of life, the fundamental life processes, evolution of life, and the interdependence of living things and the environment. The program will be heavily oriented toward laboratory investigation and critical thinking skills. Students should have above average abilities in reading, science, and critical thinking skills to be enrolled in this course.

Forensic Science
Grade: 12
Length: 2 semesters
State Course Code: 03202A000
In Forensic Science we present the philosophical, rational, and practical framework that supports a case investigation. We outline the unifying principles of forensic science, discuss what a forensic scientist might consider during an investigation. We also discuss the experimental methods and some of the ways in which a forensic analysis can be confounded. This class is not an overview of the disciplines that comprise the Forensic Science, but rather the umbrella under which the practical work resides. Students will work through interactive exercises and discuss various scenarios with the instructors and their fellow classmates in a discussion forum. The explanation and clarification of assumptions and inferences will be emphasized. At the end of the class, students will take a final examination in which they will be asked to demonstrate their knowledge of specific information that has been presented and also to extend that knowledge in considering questions about specific cases.

Human Genetics
Grade: 12
Length: 2 semesters
State Course Code: 03059A000
This course introduces basic human genetic principles and contemporary issues in biotechnology. Addresses the ethical, political and social implications of biological advances in the area of genetics. Topics include genetic counseling, gene therapy, stem cell research, cloning, forensics, paternity testing, genetic disorders and cancer.

IB Biology - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 03057A000
Students will study the living world from the molecular level through the ecosystem level and investigate the way living systems function. Through the study of sciences, students will become aware of how scientists work and communicate with each other. Students will approach the scientific method in a practical manner although possibly in different forms. Through the overarching theme of the "Nature of Science" this knowledge and skills will be put into the context of the way science and scientists work in the 21st Century and the ethical debates and limitations of creative scientific endeavor. In this hands-on course, students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers and evaluate and communicate their findings. Students will undertake a Group 4 Project (Students will be given a variety of topics to choose from and they will analyze a topic or problem, which can be investigated in each of the science disciplines). Students will develop the skills to work both independently and cooperatively. Topics include: Cell Biology; Molecular Biology; Genetics, Biotechnology and Bioinformatics.

IB Biology - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 03057A000
Students will continue their study of living systems through the scientific method (following the same approach and philosophy as DP Year 1). Topics include: Ecology; Evolution and Biodiversity; Human Physiology; Plant Biology. (Additionally, students are required to take the IB examinations in May, which include short response and extended response questions.)

IB Chemistry
Grade: 11
Length: 2 semesters
State Course Code: 03107A000
Students will study the chemical principles which underpin both the physical environment in which we live and all biological systems. Through the study of sciences, students will become aware of how scientists work and communicate with each other. Students will approach the scientific method in a practical manner although possibly in different forms. Through the overarching theme of the "Nature of Science" this knowledge and skills will be put into the context of the way science and scientists work in the 21st Century and the ethical debates and limitations of creative scientific endeavor. Core topics include the following: stoichiometric relationships; periodicity; chemical bonding and structure; energetics/thermochemistry; chemical kinetics; equilibrium; acids and bases; redox processes; organic chemistry; measurement and data processing. Options for study include materials, biochemistry, energy, and medicinal chemistry. Students will undertake an Individual Investigation (possible tasks include laboratory investigation, use of spreadsheet for analysis and modeling, graphic analysis of data, hybridization of spreadsheet/database with lab investigation, interactive and open-ended simulation). (Additionally, students are required to take the IB examinations in May, which include short response and extended response questions.)

IB Physics – DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 03157A000
Students will seek to explain the universe itself from the very smallest particles to vast galaxies via theoretical, experimental and technological physics. Students will make observations, use and develop models in order to try to understand observations, and subsequently use and develop theories that attempt to explain the observations. Through the study of sciences, students will become aware of how scientists work and communicate with each other. Students will approach the scientific method in a practical manner although possibly in different forms. Through the overarching theme of the "Nature of Science" this knowledge and skills will be put into the context of the way science and scientists work in the 21st Century and the ethical debates and limitations of creative scientific endeavor. Core topics include: measurements and uncertainties, mechanics, thermal physics, waves, electricity and magnetism, circular motion and gravitation, atomic/nuclear/particle physics, and energy production. Options for study include relativity, engineering physics, imaging, and astrophysics. Students will undertake an Individual Investigation (possible tasks include laboratory investigation, use of spreadsheet for analysis and modeling, graphic analysis of data, hybridization of spreadsheet/database with lab investigation, interactive and open-ended simulation).

IB Physics – DP Year 2
Grade: 11
Length: 2 semesters
State Course Code: 03157A000
Students will continue their study of the universe itself from the very smallest particles to vast galaxies via theoretical, experimental and technological physics) following the same approach and philosophy as DP Year 1). Additionally, students are required to take the IB examinations in May, which include short response and extended response questions.

Pre-IB Chemistry
Grade: 10
Length: 2 semesters
State Course Code: 03101A000
Students will use measurement and observation skills while investigating the composition of substances and the changes they undergo. This course emphasizes the strategies and techniques of scientific investigation, problem solving, and critical thinking. This is accomplished through extensive use of demonstrations, classroom discussions,

laboratory investigations, and textbook materials. Topics are covered at a faster pace with in-depth quantitative reasoning used as the focus for each topic of study. Topics include classification of matter and changes, conservation of matter and energy, gas behavior, principles of atomic theory, nuclear chemistry, periodic properties of the elements, chemical bonding, the mole and stoichiometry, chemical reactions, acids and bases, solutions and introductory thermochemistry. Independent student projects and scientific investigations are course requirements. Additionally, PMSA Pre-IB Chemistry incorporates in-depth inquiry and more opportunities for student centered activities.

Pre-IB Physics
Grade: 9
Length: 2 semesters
State Course Code: 03151A000
Physics is the study of the fundamental behavior of the physical universe on both large and small scales. This course examines topics involving motion, momentum, energy, wave, and particle behavior using principles and strategies of inquiry. Particular emphasis is placed on physics in the modern era, studying the impact of physics and technology on our society, and the application of data analysis strategies and tools to the study of real-world data. Additionally, PMSA Pre-IB Physics incorporates in-depth inquiry and more opportunities for student centered activities.

SOCIAL SCIENCE

3 Credits Required

Required Courses: Global Studies, American Government, United States History (Or IB, AP or Dual Credit course equivalents)

Course Name	9	10	11	12	Credit	Prerequisite[#]
AP World History	X	X	X	X	1.0	Departmental Recommendation
Pre-IB Global Studies	X				1.0	None
AP European History		X	X	X	1.0	Department Recommendation
AP Human Geography		X	X	X	1.0	Department Recommendation
AP Psychology		X	X	X	1.0	Department Recommendation
Pre-IB American Government		X			1.0	Pre-IB Global Studies, AP World History
Applied Anthropology			X	X	1.0	Department Recommendation
Psychology			X	X	0.5	Grade 11 or 12 standing
Contemporary American History			X	X	0.5	Grade 11 or 12 standing
AP Macroeconomics			X	X	0.5	Department Recommendation
AP Microeconomics			X	X	0.5	Department Recommendation
IB Psychology			X	X	1.0	Acceptance into the IB Diploma Programme/Permission of Instructor, Certificate Candidates
United States History			X		1.0	American Government
AP United States History*			X		1.0	American Government and Department Recommendation
IB History - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of lnstructor (Certificate Candidates)
IB Economics - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of lnstructor (Certificate Candidates)
IB History - DP Year 2				X	1.0	IB History - DP Year 1
IB Economics - DP Year 2				X	1.0	IB Economics - DP Year 1

*All Dual Credit courses require students to meet qualification requirements established by Triton College.

[#]Prerequisite courses must be completed with a passing grade.

AP Human Geography
Grade: 10, 11, 12
Length: 2 semesters
State Course Code: 04004A000

The purpose of the AP® Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and application. Upon successful completion of the course, students will have developed skills that enable them to do the following: Understand and explain the implications of associations and networks among phenomena in places. Recognize and interpret the relationships among patterns and process at different scales of analysis. Define regions and evaluate the regionalization process. Characterize and analyze changing interconnections among places. Interpret maps and analyze geospatial data. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP European History
Grade: 10, 11, 12
Length: 2 semesters
State Course Code: 04056A000
This college-level course studies the history of Europe from the Renaissance to the present. Reading and writing analysis will emphasize intellectual, cultural, social, and economic history as well as political and diplomatic developments. The course prepares students for the Advanced Placement examination of the College Board. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Macroeconomics
Grade: 11, 12
Length: 1 semester
State Course Code: 04204A000
AP® Macroeconomics students learn why and how the world economy can change from month to month, how to identify trends in our economy, and how to use those trends to develop performance measures and predictors of economic growth or decline. They will also examine how individuals, institutions, and influences affect people, and how those factors can impact society through employment rates, government spending, inflation, taxes, and production. The equivalent of a 100-level college-level class, this course prepares students for the AP Exam and for further study in business, political science and history. This course has been authorized by the College Board to use the AP designation. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Microeconomics
Grade: 11, 12
Length: 1 semester
State Course Code: 04203A000
AP® Microeconomics studies the behavior of individuals and businesses as they exchange goods and services in the marketplace. Students will learn why the same product costs different amounts at different stores, in different cities, at different times. They will also learn to spot patterns in economic behavior and how to use those patterns to explain buyer and seller behaviors under various conditions. Microeconomics studies the economic way of thinking, understanding the nature and function of markets, the role of scarcity and competition, the influence of factors such as interest rates on business decisions, and the role of government in promoting a healthy economy. The equivalent of a 100-level college course, AP Microeconomics prepares students for the AP Exam and for further

study in business, history, and political science. This course has been authorized by the College Board to use the AP designation. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Psychology
Grade: 10, 11, 12
Length: 2 semesters
State Course Code: 04256A000
The AP® Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. They will explore how psychologist use research methods and critical analysis to explore human behavior. Also, they will discuss how biological, cognitive and cultural factors converge and facilitate acquisition, development and use of language. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP United States History
Grade: 11
Length: 2 semesters
State Course Code: 04104A000
This AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history from the settlement of the New World to the recent past. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. This course develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply. *This course satisfies Illinois Public Law 195 Consumer Education requirements.

AP United States History (Dual Credit)
Grade: 11
Length: 2 semesters
State Course Code: 04104A000
This AP U.S. History course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history from the settlement of the New World to the recent past. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. This course develops the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply. *This course satisfies Illinois Public Law 195 Consumer Education requirements.

AP World History
Grade: 9-12
Length: 2 semesters
State Course Code: 04057A000

The purpose of the Advanced Placement World History course is to help students develop a greater understanding of global processes and contacts in different types of human societies. Students will develop the skills necessary to critically examine human society in the present and the past, as a whole and in its parts. Students will use the tools of political, social, cultural, environmental, and economic historians to analyze the world in which they live. No more than twenty percent of this course will focus on European history. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

Applied Anthropology
Grade: 11, 12
Length: 2 semesters
State Course Code: 04251A000
Anthropology is the study of the origin, the behavior, and the physical, social, and cultural development of humans. This course examines these tenets within the context of modern life with a particular emphasis on urban societies.

Contemporary American History
Grade: 11, 12
Length: 1 semester
State Course Code: 04106A000
This class is designed to give students the background and skills needed to understand the most pressing political, economic, and social issues and events of the day. The course presents dynamic and emerging events by providing historical and geographic context. Current issues stress a historical approach but focus on how historical themes are active in current events. Students will continue to hone their social studies skills to analyze events, view them critically, and formulate their own opinions on the events and their responsibility for them.

IB Economics - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 04206A000
The study of Economics centers around scarcity, resources and human wants. Economics uses scientific methodologies (quantitative and qualitative) and explores theories of macroeconomics and microeconomics in application to real-world issues. Through the study of economics, students will develop international mindedness and global awareness as well as self-awareness of their responsibilities at the local through the international level with a view to resolving economic issues. Topics studied include: Macroeconomics, Microeconomics, International Economics, Development Economics. Students produce a commentary portfolio (based on news articles).

IB Economics - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 04206A000
IB Economics - DP year 2 continues the exploration of scarcity, resources and human wants. Students refine their practice of scientific methodologies (quantitative and qualitative) and continue to explore theories of macroeconomics and microeconomics in application to real-world issues. Through the study of economics, students will develop international mindedness and global awareness as well as self-awareness of their responsibilities at the local through the international level with a view to resolving economic issues. Topics studied include: Macroeconomics, Microeconomics, International Economics, Development Economics. Students produce a commentary portfolio (based on news articles). Additionally, students are required to sit the IB examinations in May, which include extended response and data response questions.

IB History - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 04054A000
This course introduces the understanding of history as a discipline, including the nature and diversity of its sources, methods and interpretations. It also helps students to gain a better understanding of the present through critical reflection upon the past. It requires students to make comparisons between similar and dissimilar solutions to common human situations, whether they be political, economic or social. It invites comparisons between, but not judgments of, different cultures, political systems and national traditions. Students will study the history of the United States, Canada and Latin America. Topics will include: Causes, Course, and Effects of the American Civil War; Causes and Effects of 20th Century Wars; The Great Depression and the Americas; Civil Rights and Social Movements in the Americas Post-1945.

IB History - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 04054A000
Students will continue the study of the history of the United States, Canada and Latin America as well as their involvement in and impact on global events. Topics will include: Results of the Great Depression and Links to Military Expansion in Asia and Europe, Move to Global War, and the Cold War. Students will undertake an individual Historical Investigation. Additionally, students are required to sit the IB examinations in May, which include source-based and essay papers.

IB Psychology
Grade: 11 (DP Programme or Certificate), 12 (Certificate only)
Length: 2 semesters
State Course Code: 04257A000
Psychology is the systemic study of behavior and mental processes. With roots in both natural and social science, it uses a variety of research methodologies in order to attempt to develop an understanding of modern society. Students will examine the biological, cognitive and socio-cultural influences on human behavior in order to lead to a better understanding of human nature and behavior. Students will also explore the numerous ethical implications of psychological research. Students will become aware of the benefits of psychological research, will follow ethical practices in their own research, and be able to understand alternative explanations of behavior. Students are required to conduct a simple experiment and produce a report on it. Additionally, students are required to sit the IB examinations in May.

Pre-IB American Government
Grade: 10
Length: 2 semesters
State Course Code: 04151A000
This course is designed to study American government and politics including the fundamental principles of government, the role of the President and Congress, American political culture, public opinion, political participation, elections and campaigns, interest groups, the media and the policy making process. Additionally, emphasis is placed on developing a sound understanding of the philosophical and institutional foundations of the American political system. Students will examine the structures and processes of other selected governments and political philosophies in preparation for more in depth studies of selected topics in subsequent years. Development of analytical and evaluative skill is emphasized as well as the application of theory to contemporary issues and events. *This course satisfies Illinois Public Law 195 (Constitution Test).

Pre-IB Global Studies
Grade: 9
Length: 2 semesters
State Course Code: 04061A000
In this course, students will gain an appreciation for various approaches to historical analysis, which includes social, political, economic, and intellectual history. This course asks students to analyze how history and culture inform our understanding of the world today and how global interdependence, far from being a new phenomenon, has unfolded over the course of thousands of years. The course emphasizes such skill areas as expository writing, oral communication, and evaluation of primary sources, map analysis, research techniques, and critical thinking dispositions. This course is taken freshman year and is a prerequisite for all future social studies classes.

Psychology
Grade: 11, 12
Length: 1 semester
State Course Code: 04254A000
This 1 semester explores the concepts, theories, perspectives, phenomena, personality, abnormal psychology, and behaviors associated with the subfields and research of psychology. Students will analyze methods psychologists use to study various types of behaviors and meet the processes and evaluate the validity and significance of their contributions.

United States History
Grade: 11
Length: 2 semesters
State Course Code: 04101A000
This is a survey course that traces the key historic and social developments of the American experience from its pre-colonial origins to the present. Students acquire an understanding of American culture by studying the political and economic systems, the development of value systems, and interactions among the many groups that live in the United States. The course emphasizes such skill areas as map analysis, evaluation of primary sources, library research techniques, expository writing, and multi-media presentations. *This course satisfies Illinois Public Law 195 Consumer Education requirements.

Course Name	9	10	11	12	Credit	Prerequisite[#]
Visual Arts I	X	X	X	X	1.0	None
Digital Imaging	X	X	X	X	1.0	None
Visual Arts II		X	X	X	1.0	Visual Arts I OR Department Recommendation
AP Studio Art			X	X	1.0	Visual Arts II or department recommendation; Dual Credit students must meet qualification requirements established by Triton College
IB Visual Arts - DP Year 1			X		1.0	Art 1 and Acceptance into the IB Diploma Programme/Permission of instructor (Certificate Candidates)
IB Visual Arts - DP Year 2				X	1.0	IB Visual Arts - DP Year 1
Band - Brass/Percussion	X	X	X	X	1.0	Audition and Departmental Recommendation or Band
Advanced Chorus I	X	X	X	X	1.0	Audition and/or Chorus
Band - Woodwinds	X	X	X	X	1.0	Departmental Recommendation or Instrumental Music
Chorus	X	X	X	X	1.0	None
Instrumental Music	X	X	X	X	1.0	None
Music Theory	X	X	X	X	1.0	None
Theatre	X	X	X	X	1.0	None
Advanced Band II		X	X	X	1.0	Advanced Band I
Advanced Chorus II		X	X	X	1.0	Advanced Chorus I
Theatre II		X	X	X	1.0	Theatre I OR Department Recommendation
Advanced Chorus III			X	X	1.0	Advanced Chorus II
AP Music Theory			X	X	1.0	Departmental Recommendation and Music Theory or Placement Exam
Theatre III			X	X	1.0	Theatre II OR Department Recommendation
Advanced Band III			X		1.0	Advanced Band II
Advanced Band IV				X	1.0	Advanced Band III
Advanced Chorus IV				X	1.0	Advanced Chorus III
Theatre IV				X	1.0	Theatre III OR Department Recommendation

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Advanced Band II
Grade: 10-12
Length: 2 semesters
State Course Code: 05102A000
This advanced course develops advanced playing skills in the formalized setting of an orchestra and/or band. Types of instruments includes woodwinds, brass, and percussion. There are a minimum number of performances required per year for successful completion of this course.

Advanced Band III
Grade: 11
Length: 2 semesters
State Course Code: 05102A000
This advanced course develops advanced playing skills in the formalized setting of an orchestra and/or band. Types of instruments includes woodwinds, brass, and percussion. There are a minimum number of performances required per year for successful completion of this course.

Advanced Band IV
Grade: 12
Length: 2 semesters
State Course Code: 05102A000
This advanced course develops advanced playing skills in the formalized setting of an orchestra and/or band. Types of instruments includes woodwinds, brass, and percussion. There are a minimum number of performances required per year for successful completion of this course.

Advanced Chorus
Grade: 9-12
Length: 2 semesters
State Course Code: 05111A000
Advanced Chorus is open to students of all grade levels with intermediate training in performance of three- and four-part literature. Students must perform in a minimum of one concert each semester to receive credit towards their grade for this course. Selected students perform at school assemblies and programs, community events, choral festivals and workshops, competitions, and the state and local Solo-Ensemble competitions.

Advanced Chorus II
Grade: 10-12
Length: 2 semesters
State Course Code: 05111A000
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Grade: 12
Length: 2 semesters
State Course Code: 05111A000
Advanced Chorus is open to students of all grade levels with intermediate training in performance of three- and four-part literature. Students must perform in a minimum of one concert each semester to receive credit towards their grade for this course. Selected students perform at school assemblies and programs, community events, choral festivals and workshops, competitions, and the state and local Solo-Ensemble competitions.

AP Studio Art
Grade: 11-12
Length: 2 semesters
State Course Code: 0517A000
AP Studio Art prepares serious art students for college level coursework in the Arts. They will learn how to assemble slide portfolio of their work that can be used for the AP® Studio assessment. Many colleges also require a slide portfolio for admission and scholarship consideration related to the Arts in a variety of fields such as architecture, graphic design, photography, and traditional studio. Preparing a slide portfolio and cohesive body of work is an essential skill that any serious art student must have to effectively compete for college and career opportunities in the visual arts. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

AP Music Theory
Grade: 11-12
Length: 2 semesters
State Course Code: 05114A000
A major component of any college music curriculum is a course introducing the first-year student to musicianship, theory, musical materials, and procedures. Such a course may bear a variety of titles (Basic Musicianship, Elementary Theory, Harmony and Dictation, Structure of Music, etc.). It may emphasize one aspect of music, such as harmony; more often, however, it integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course. The student's ability to read and write musical notation is fundamental to this course. It is also strongly recommended that the student will have acquired at least basic performance skills in voice or on an instrument. The ultimate goal of this AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of this goal may be best promoted by integrated approaches to the student's development of: aural skills listening exercises sight-singing skills performance exercises, written skills through written exercises compositional skills creative exercises, analytical skills and analytical exercises. The course seeks first to instill mastery of the rudiments and terminology of music, including hearing and notating: pitches• intervals• scales and keys• chords• meter and rhythm. It addresses these basic concepts through listening to a wide variety of music, including not only music from standard Western tonal repertoire but also twentieth-century art music, jazz, popular music, and the music of non-Western cultures. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

Band – Brass/Percussion
Grade: 9-12
Length: 2 semesters
State Course Code: 05102A000
This advanced course develops advanced playing skills in the formalized setting of an orchestra and/or band. Types of instruments includes woodwinds, brass, and percussion. There are a minimum number of performances required per year for successful completion of this course.

Band - Woodwinds
Grade: 9-12
Length: 2 semesters
State Course Code: 05101A000
This course develops advanced playing skills in the formalized setting of an orchestra and/or band. Types of instruments includes woodwinds, brass, and percussion. There are a minimum number of performances required per year for successful completion of this course.

Chorus
Grade: 9-12
Length: 2 semesters
State Course Code: 05110A000
This course emphasizes the development of vocal talent in a mixed ensemble. There are a minimum number of performances required per year for successful completion of this course.

Digital Imaging
Grade: 10, 11, 12
Length: 2 semesters
State Course Code: 05168A000
This class introduces students to the basic tools, techniques, and processes of digital still photography and video production. Students will create and edit their own photographs and videos. They will also view and critique professional work and consider how media affects their lives.

IB Visual Arts - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 05173A000
Students will explore the various impacts and value of visual arts (including sociopolitical, ritual, spiritual, decorative) in wide spectrum of societies and cultures. This course encourages students to challenge their own creative and cultural expectations and boundaries, and develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence in their own artistic endeavors. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with, and critically reflect upon a wide range of contemporary practices and media. Through all of the above, students will have the opportunity to develop an appreciation for multicultural artistic diversity with a view to becoming critically informed makers and consumers of visual culture. Topics of study include: Personal and Artistic Identity, Reading: Text and Visual Images, Arts Influences and are Influenced by History & Culture, Curating Exhibitions.

IB Visual Arts - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 05173A000
IB Visual Arts - DP Year 2 continues the goals of IB Visual Arts - DP Year 1 in the development of students' technical proficiency as well as their critical and analytic interpretive skills. Topics of study include: Investigating Global Arts Activism, Contributions to the IB Tile Mural. Students will present their art processes and products during the Visual Arts Exhibition in February. Additionally, students are required to complete a comparative study (a critical and contextual investigation of artworks and artifacts from different cultural contexts) and are required to submit a process portfolio (evidence of their own creative experimentation, exploration, manipulation and refinement), which includes work from at least two art-making forms.

Instrumental Music
Grade: 9-12
Length: 2 semesters
State Course Code: 05106A000
Instrumental Music introduces the principles and techniques for playing musical instruments within a structured ensemble performance environment. Instruments are based on student choices from the wind, and percussion families. There are a minimum number of performances required per year for successful completion of this course.

Music Theory
Grade: 9-12
Length: 2 semesters
State Course Code: 05113A000
This course explores fundamental music theory from both historical and modern perspectives including a study of the impact of technology on the development of music. Students will learn to write musical notation, terminology and chord progression. Tonal and atonal musical styles are emphasized.

Theatre I
Grade: 9-12
Length: 2 semesters
State Course Code: 05055A000
This course will introduce students to the basic tools, techniques, and processes of acting and play production. Students will learn about improvisation, creating a character, script analysis, creative writing, memorization techniques, theater history, dramatic structure, and staging and rehearsing scenes. They will produce a showcase of scenes to perform for the public.

Theatre II
Grade: 10-12
Length: 2 semesters
State Course Code: 05053A000
Students will continue to develop their skills in acting, play production, and creative writing. They will present 1 public performance of a play or other scripted performance each semester.

Theatre III
Grade: 11-12
Length: 2 semesters
State Course Code: 05053A000
Students will continue to develop their skills in acting, play production, and creative writing. They will present 1 public performance of a play or other scripted performance each semester.

Theatre IV
Grade: 12
Length: 2 semesters
State Course Code: 05053A000
Students will continue to develop their skills in acting, play production, and creative writing. They will produce a showcase of scenes to perform for the public.

Visual Arts I
Grade: 9-12
Length: 2 semesters
State Course Code: 05155A000
This course focuses on the elements and principles of design and composition. Students will participate in a variety of studio activities, which may include (but are not limited to) drawing, painting, ceramics and collage. Skills and knowledge are further developed through art criticism, art history, and aesthetics.

Visual Arts II
Grade: 10-12
Length: 2 semesters
State Course Code: 05154A000
Students who enjoyed Visual Arts I and wish to continue their art education are encouraged to take Visual Arts II. Students will participate in a variety of studio activities, which may include (but are not limited to) drawing, painting,

printmaking, ceramics, and collage. Students will build on the skills and knowledge learned in Visual Arts I while participating in more challenging studio projects. This course focuses on studio production with art history, art criticism, and aesthetics as reinforcing concepts.

WELLNESS

4 Credits Required

Required Courses: Wellness I, Health, Wellness II, Driver Education in the Classroom, Wellness III, Wellness IV (or IB, AP or Dual Credit course equivalents)

Course Name	9	10	11	12	Credit	Prerequisite[#]
Wellness I	X				0.5	None
Health	X				0.5	None
Driver Education Behind-the-Wheel		X	X	X	0.5	15 years of age, Driver Education in the Classroom, Driving Permit
Wellness II		X			0.5	Wellness I
Driver Education in the Classroom		X			0.5	Wellness I and must successfully complete 8 classes in the previous 2 semesters of coursework
Wellness III			X		1.0	Wellness II
IB CAS Wellness			X	X	1.0	Acceptance into the IB Diploma Programme/Permission of instructor (Certificate Candidates)
Wellness IV				X	1.0	Wellness III
Wellness IV (Dual Credit)*				X	1.0	Wellness III

*All Dual Credit courses require students to meet qualification requirements established by Triton College.

[#]Prerequisite courses must be completed with a passing grade.

Course Descriptions (alphabetical order)

Driver Education: Behind-the-Wheel

Grade: 10-12

Length: 1 semester

State Course Code: 08151A000

Driver Education: Behind-the-Wheel instruction is an optional course, offered for 6 hours. Instruction is made available to students, but it is not required for graduation. The permit allows the students to begin the required 50 hours of behind-the-wheel instruction with their parents and the 6-hour behind-the-wheel school phase outside of the regular school day, and/or during the summer. Students who show a proficiency in the classroom and behind-the-wheel phases (minimum of grade B) may earn the opportunity to take their actual road test with their PMSA instructor. Students that achieve this level of excellence will receive a certificate of completion entitling them to receive their license without any further testing. Fees: $175.00 user fee payable to Proviso Township High Schools, a $20.00 application fee for permit payable to the Secretary of State, and a $15.00 workbook fee are required.

Driver Education: In the Classroom

Grade: 10

Length: 1 semester

State Course Code: 08151A000

The Driver Education: In the Classroom is designed to develop safe, courteous, and skillful drivers. To enter the driver education program, students must have completed freshman physical education and maintained a 90% attendance rate during the school year prior to taking this course. Topics in this course include legal obligations and

responsibility; rules of the road and traffic procedure; safe driving strategies and practices; and the physical and mental factors affecting the driver's capability "including alcohol and other drugs. At the end of this course, students receive their permit, which must be held three (3) months before they can be issued a license. NOTE: This course meets the driver education requirement for graduation.

Health
Grade: 9
Length: 1 semester
State Course Code: 08051A000
This course is designed to promote awareness of physical, mental, and social developmental needs for optimal health. Topics covered within Health Education courses include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, relationships, sex ed. and first aid) and consumer health issues.

IB CAS Wellness
Grade: 11-12
Length: 2 semesters
State Course Code: 08001A000
Students in this course will focus on the elements of the creativity, activity, service (CAS) required component of the Diploma Programme (DP), and on all aspects of wellness and personal development, including emotional health and social maturity. In addition, students will have the opportunity to develop skills in recreational sports and fitness/conditioning activities. Content and processes are designed to be age-appropriate for students at this level.

Wellness I
Grade: 9
Length: 1 semester
State Course Code: 08001A000
This course is the initial course of a 4-part sequence that focuses on all aspects of wellness and personal development, including emotional health and social maturity. In addition, students will have the opportunity to develop skills in recreational sports and fitness/conditioning activities. Content and processes are designed to be age-appropriate for students at this level.

Wellness II
Grade: 10
Length: 1 semester
State Course Code: 08001A000
This course is the second part of a sequence that focuses on all aspects of wellness and personal development, including emotional health and social maturity. In addition, students will have the opportunity to develop skills in recreational sports and fitness/conditioning activities. Content and processes are designed to be age-appropriate for students at this level.

Wellness III
Grade: 11
Length: 2 semesters
State Course Code: 08001A000
This course is the third part of a sequence that focuses on all aspects of wellness and personal development, including emotional health and social maturity. In addition, students will have the opportunity to develop skills in recreational sports and fitness/conditioning activities. Content and processes are designed to be age-appropriate for students at this level.

Wellness IV
Grade: 12
Length: 2 semesters
State Course Code: 08001A000
This course is the final part of a sequence that focuses on all aspects of wellness and personal development, including emotional health and social maturity. In addition, students will have the opportunity to develop skills in recreational sports and fitness/conditioning activities. Content and processes are designed to be age-appropriate for students at this level. Students in this course will receive CPR training. Fee: CPR certification fee may apply

Wellness IV (Dual Credit)
Grade: 12
Length: 2 semesters
State Course Code: 08001A000
This dual credit course is the final part of a sequence that focuses on all aspects of wellness and personal development, including emotional health and social maturity. In addition, students will have the opportunity to develop skills in recreational sports and fitness/conditioning activities. Content and processes are designed to be age-appropriate for students at this level. Students in this course will receive CPR training. Fee: CPR certification fee may apply

WORLD LANGUAGES

2 Credits Required

Two credits of the same language

Course Name	9	10	11	12	Credit	Prerequisite[#]
French I	X	X	X	X	1.0	None
French II	X	X	X	X	1.0	8th grade placement test or successful completion of French I
French III		X	X	X	1.0	French II
French IV			X	X	1.0	French III
AP French Language and Culture*			X	X	1.0	French III, Department Recommendation
IB Language B French - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of instructor (Certificate Candidates)
IB Language B French - DP Year 2				X	1.0	IB Language B French - DP Year 1
Spanish I	X	X	X	X	1.0	None
Spanish II	X	X	X	X	1.0	8th grade placement test or successful completion of Spanish I
Advanced Spanish II Immersion	X	X	X	X	1.0	8th grade placement test
Spanish III	X	X	X	X	1.0	8th grade placement test or Spanish II
Advanced Spanish III Immersion		X	X	X	1.0	Spanish II Heritage Speakers
Spanish IV			X	X	1.0	Spanish III
Advanced Spanish IV Immersion			X	X	1.0	Spanish III Heritage Speakers, Department Recommendation
AP Spanish Language and Culture*		X	X	X	1.0	Spanish IV, Spanish III Heritage Speakers, Department Recommendation
IB Language B Spanish - DP Year 1			X		1.0	Acceptance into the IB Diploma Programme/Permission of instructor (Certificate Candidates)
IB Language B Spanish - DP Year 2				X	1.0	IB Language B Spanish - DP Year 1

*All Dual Credit courses require students to meet qualification requirements established by Triton College.

[#]Prerequisite courses must be completed with a passing grade.

AP French Language and Culture
Grade: 11-12
Length: 2 semesters
State Course Code: 06132A000
The AP® French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. This course develops students' awareness and appreciation of products, practices and perspectives of French/Francophone culture via authentic artifacts. Instruction and student interaction are exclusively in French. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

French I
Grade: 9-12
Length: 2 semesters
State Course Code: 06121A000
This course requires no previous language experience. This course is a communicative-based introduction to French language integrated with French/Francophone culture. It is a "French first" class in that initial instruction takes place in the target language first and student participation is encouraged to be in the target language as much as possible. By the end of French 1, the student will be able to communicate in French in a basic manner (discuss him/herself and his/her family and friends, discuss likes/dislikes/needs, make and respond to simple requests, etc.) with both native and non-native French speakers.

French II
Grade: 9-12
Length: 2 semesters
State Course Code: 06122A000
This course integrates the continued acquisition of French grammar and vocabulary with an exploration of issues of immigration, assimilation and citizenship (specifically in regard to French/ Francophone countries). At the French 2 level, the expectation is that students will attempt to interact in French in the classroom both with the instructor and their peers. By the end of French 2, the student will be able to communicate in a basic manner in French with both native and non-native French speakers and be conversant on issues of immigration, assimilation and citizenship.

French III
Grade: 10-12
Length: 2 semesters
State Course Code: 06123A000
This course integrates the acquisition of advanced French grammar and vocabulary with the study of the culture of a specific Francophone country. At the French 3 level, the expectation is that students will interact predominantly in French in the classroom. By the end of French 3, the student will be able to communicate passably in French with both native and non-native French speakers and be conversant on the literature, arts and history of a specific Francophone country.

French IV
Grade: 11-12
Length: 2 semesters
State Course Code: 06124A000
This course integrates advanced communicative French with the study of French/Francophone literature, art and history. At the French 4 level, the expectation is that students will interact exclusively in French in the classroom. By the end of French 4, the student will be able to communicate comfortably in French with both native and non-native French speakers and be conversant on a variety of topics (especially literature, the arts and history).

IB Language B French - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 06131A000
The acquisition of an additional language opens the door to cross-cultural communication and understanding. Students are encouraged to develop their communicative skills, their global awareness, and their respect for cultural diversity. Students will study a language and its culture(s) via five themes (identities, experiences, human ingenuity, social organization and sharing the planet). Students will work toward developing the skills that will be assessed. Students will work toward intercultural understanding and using and appreciating the language studied. Students will be assessed both informally and formally throughout year 1. Formal assessments will include interactive oral activities. Additionally, those students taking the course at the HL level will begin the study literature written in the target language.

IB Language B French - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 06131A000
Students will continue to develop their acquisition of language and to expand and refine their communicative skills, their global awareness, and their respect for cultural diversity. Students will continue to study a language and its culture(s) via the themes introduced in year 1. By the end of the two-year course of studies, students will be able to demonstrate intercultural understanding, understand and use the language and appreciate its culture(s), be aware of and appreciate differences of cultural perception, gain a basis for further study, enjoyment and/or employment courtesy of knowledge of another language and its culture(s). Students will be assessed both informally and formally throughout year 2. Formal assessments will include an individual oral and an interactive oral activity. Students are required to sit the IB examinations in May, which include text-handling exercises, a written exercise, and an inter-textual reading (with a written task). Additionally, those students taking the course at the HL level will have an additional written exercise and added length/depth of response requirements included on the examination.

AP Spanish Language and Culture
Grade: 10-12
Length: 2 semesters
State Course Code: 06112A000
The AP® Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. This course develops students' awareness and appreciation of products, practices and perspectives of Hispanic culture via authentic artifacts. Instruction and student interaction are exclusively in Spanish. Triton College dual credit may be available. Students in this course are required to take the AP® Exam. Fee: Cost of the AP® Exam fee per the College Board rate. Reduced fee waivers may apply.

Spanish I
Grade: 9-12
Length: 2 semesters
State Course Code: 06101A000
This course requires no previous language experience. Students learn basic communication skills through speaking, reading, and writing practice. By the end of Spanish I, students will be able to understand main ideas in both fiction and non-fiction texts appropriate to level 1. In addition, students will be able to communicate in Spanish in a basic manner (discuss him/herself and his/her family and friends, discuss likes/dislikes/needs, made and respond to simple requests, etc.) with both native and non-native Spanish speakers. The course also covers cultural topics related to Spanish speaking countries in Latin America.

Spanish II
Grade: 9-12
Length: 2 semesters
State Course Code: 06102A000
This course is designed to improve language skills from Spanish I. Students build larger vocabularies and improve sentence structure; they will create original conversations and paragraphs. Also, they will read cultural selections that will improve their conversational and writing skills.

Advanced Spanish II Immersion
Grade: 9-12
Length: 2 semesters
State Course Code: 06106A000
This course was created specifically for advanced Spanish speakers. The goal of this class is to expand student proficiency in Spanish in all four-skill areas: listening, speaking, reading, and writing. In addition, the course explores the historical, political, and cultural aspects of Spanish speaking countries.

Spanish III
Grade: 9-12
Length: 2 semesters
State Course Code: 06103A000
This course concentrates on the acquisition of high intermediate to advanced linguistic skills in speaking, reading and writing Spanish, building on what was learned in Spanish I and Spanish II. Students will be able to communicate passably in Spanish with both native and non-native Spanish speakers. In addition, students will be conversant on such topics as literature, arts, and history of Spain.

Advanced Spanish III Immersion
Grade: 10-12
Length: 2 semesters
State Course Code: 06106A000
This course is a continuation of Advanced Spanish II Immersion. The goal of this class is to further expand student proficiency in Spanish in all four skill areas (listening, speaking, reading, and writing) through the exploration of historical, political, and cultural aspects of Spanish speaking countries.

Spanish IV
Grade 11-12
2 semesters
State Course Code: 06104A000
This course refines student abilities to speak, read, and write in the Spanish language. By the end of Spanish IV, students will be able to communicate comfortably in Spanish with both native and non-native Spanish speakers and be conversant on a variety of topics related to the arts in Spanish speaking countries.

Advanced Spanish IV Immersion
Grade: 11-12
Length: 2 semesters
State Course Code: 06106A000
This course is a continuation of Advanced Spanish III Immersion. The goal of this class is to refine student proficiency in Spanish in all four skill areas, listening, speaking, reading, and writing through the study of a variety of topics related to the arts in Spanish speaking countries.

IB Language B Spanish - DP Year 1
Grade: 11
Length: 2 semesters
State Course Code: 06111A000
The acquisition of an additional language opens the door to cross-cultural communication and understanding. Students are encouraged to develop their communicative skills, their global awareness, and their respect for cultural diversity. Students will study a language and its culture(s) via five themes (identities, experiences, human ingenuity, social organization and sharing the planet). Students will work toward developing the skills that will be assessed. Students will work toward intercultural understanding, using and appreciating the language studied. Students will be assessed both informally and formally throughout year 1. Formal assessments will include interactive oral activities. Additionally, those students taking the course at the HL level will begin the study literature written in the target language.

IB Language B Spanish - DP Year 2
Grade: 12
Length: 2 semesters
State Course Code: 06111A000
Students will continue to develop their acquisition of language and to expand and refine their communicative skills, their global awareness, and their respect for cultural diversity. Students will continue to study a language and its culture(s) via the themes introduced in year 1. By the end of the two-year course of studies, students will be able to demonstrate intercultural understanding, understand and use the language and appreciate its culture(s), be aware of and appreciate differences of cultural perception, gain a basis for further study, enjoyment and/or employment courtesy of knowledge of another language and its culture(s). Students will be assessed both informally and formally throughout year 2. Formal assessments will include an individual oral and an interactive oral activity. Students are required to sit the IB examinations in May, which include text-handling exercises, a written exercise, and an inter-textual reading (with a written task). Additionally, those students taking the course at the HL level will have an additional written exercise and added length/depth of response requirements included on the examination.

Core Beliefs

- High expectations for all students, faculty, and staff yield positive self-worth, responsible behavior, and superior performance.
- All learning environments are positive places to learn, grow, and work.
- Collaboration with students, families, and community partners adds value.
- Leadership, accountability, and transparency are keys to our success.

Guiding Principles

EMPOWERMENT

To create sustainable partnerships in supporting academic achievement for all learners.

Distributive and transformational leadership behaviors from all stakeholders stems "from the Board Room to the Classroom."

EQUITY

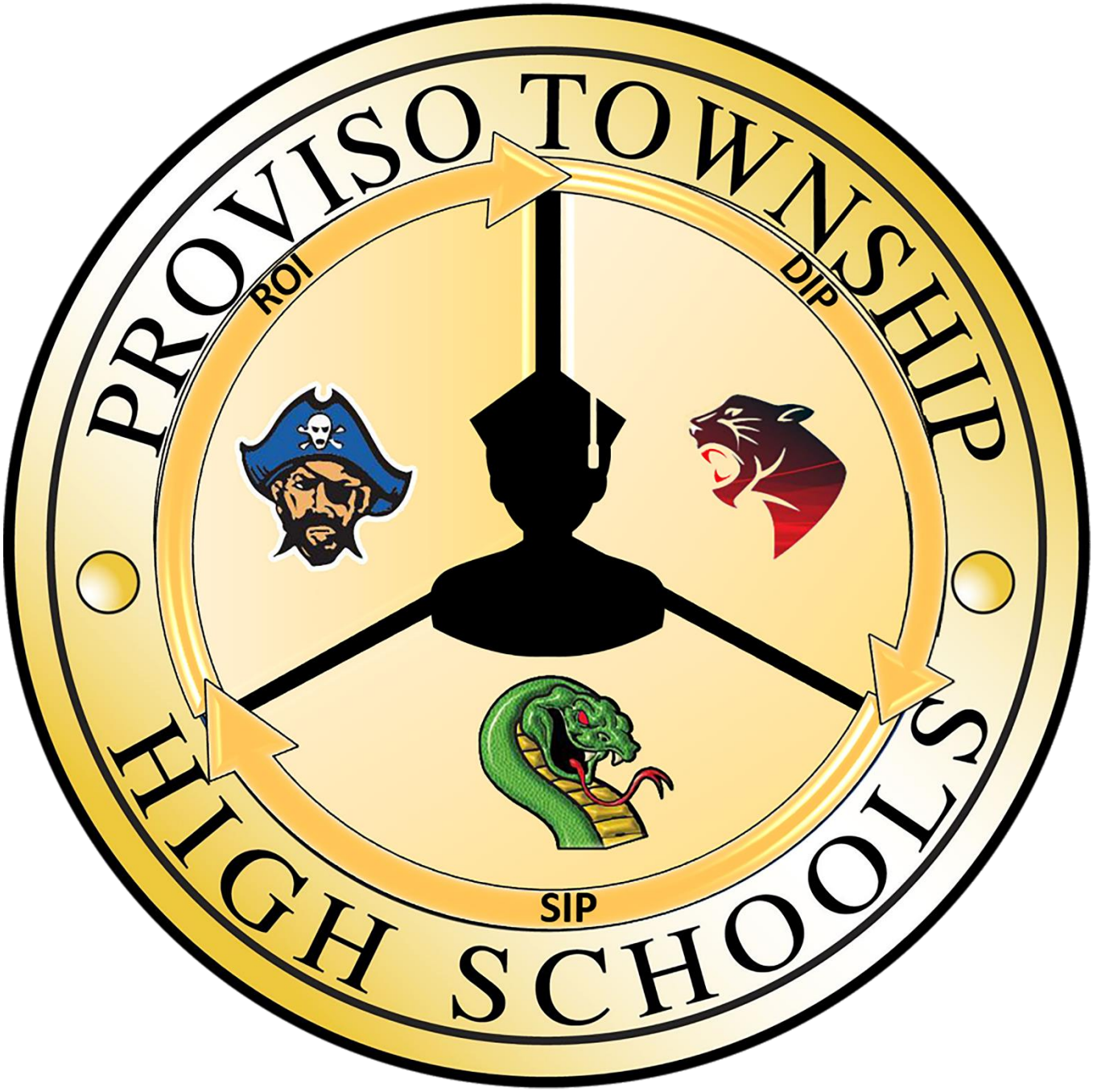
To remove the predictability of success or failure that currently correlates with any academic or social factor.

Interrupt inequitable practices, examine biases, and create inclusive school environments for all.

EXCELLENCE

All learners have access to rigorous content and are held to mastery supported by opportunities for interventions and/or enrichment.

All programs demonstrate a return of investment.



ONE TEAM, ONE GOAL, ONE PROVISO