

Palmyra Area High School

Freshmen Course Catalog 2021 - 2022



**1125 Park Drive
Palmyra, PA 17078
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INTRODUCTION

Greetings and welcome to Palmyra Area High School! This Student Course Planning Guide has been published to assist students and parents in selecting an educational program that best fits each student's unique educational skills, talents and interests. Please take some time to review the contents so you can plan for a successful and meaningful high school experience. When making course selections, students should think about how their choices blend with their interests and abilities and lead to preparing oneself for life after high school. It cannot be over emphasized that the course selection process should be a collaboration of all parties including the students, parents, school counselor. If you have any questions about any information printed in this catalog, please call the Palmyra Area High School Guidance Office at 838-1331.

High School Administration

Dr. Scott Richardson – Principal
Mr. Daryl Reisinger – Assistant Principal
Mr. Paul J. Steigerwald – Assistant Principal

High School Counselors

Students assigned by first letter of last name (-)

Mrs. Jennifer Kulas – (A-E)
Mr. David Watson – (F-K)
Mr. Aaron Walny – (L-R)
Ms. Teresa Markulike – (S-Z)

The Palmyra Area School District is committed to the maintenance of a safe, positive learning environment for all students that is free from discrimination by providing all students course offerings, counseling, assistance, services, employment, athletics and extracurricular activities without any form of discrimination, including Title IX sexual harassment. Discrimination, based on race, color, familial status, age, creed, religion, gender, sexual orientation, ancestry, national origin, handicap/disability, or any other characteristic protected by law including Title IX sexual harassment is inconsistent with the rights of students and the educational and programmatic goals of the district and is prohibited at or, in the course of, district-sponsored programs or activities, including transportation to or from school or school-sponsored activities. This policy is in accordance with federal and state laws including Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, the Americans with Disabilities Act of 1990, and the Pennsylvania Human Relations Act. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Darcy Brenner-Smith, Compliance Officer (darcy_brenner-smith@pasd.usor (717) 838-3144 x2809) and/or Dr. Annette Spagnolo Title IX Coordinator (annette_spagnolo@pasd.us or (717) 838-3144 x2807). Both individuals may also be reached at 1125 Park Drive, Palmyra, PA 17078.

GRADUATION CREDIT REQUIREMENTS

Course	PHS Students	CTC Students
English Language Arts	4	4
Math	4	4
Science	4	3
Social Studies	4	3
Career/Financial Lit.	1	1
Phys. Ed.	1.5	1
Core Electives (ELA, Math, Science, or SS)	4	2
Health	1	1
Driver Ed./Career Ed.	.5	.5
Electives	13	4.5 or 5.5 + 6 from CTC = 10.5 or 11.5
Total Credits Required for Graduation	37	31
Total Credits Possible	40	34

Note: All students in grades 9-11 will be required to take at least one class in each of the four core content areas each year (English Language Arts, Math, Science, and Social Studies.)

Note: Eleventh grade students who are not proficient on the Keystone Exams (in Literature, Biology, or Algebra) will be scheduled into a remediation class for their specific areas of need. As per Act 158 of 2018, students graduating in 2022 and beyond who do not score proficient or advanced on the Literature, Biology, and/or Algebra I Keystone exams by the end of their junior year, will be required to demonstrate postsecondary readiness through one of four alternate pathways that more fully illustrate college, career, and community readiness. Those alternate pathways include the Keystone Composite Pathway, the Alternate Assessment Pathway, the Evidence Based Pathway, or the CTE Pathway.

Note: Counselors and teachers will work with students concerning course selections. Students are, however, required to monitor his/her own progress towards graduation.

High School Scheduling

Palmyra Area High School operates on a 2-semester system of scheduling, divided into four 9-week marking periods. Students will be scheduled into 5 classes for each semester. Most classes at the high school are semester (half year) courses. During one academic year, most student will earn 10 credits towards graduation.

Students are encouraged to speak with their school counselor about their individual plan of study. It cannot be over emphasized that this process requires collaboration of all parties, including the student, parents, teachers, and school counselor. However, the primary responsibility falls on the student to create the most appropriate schedule.

Students will input their course selection requests online during the two-week scheduling window. Tentative schedules will then be run and reviewed by school counselors for potential conflicts. At the conclusion of this process, students will be able to review, via PowerSchool, which of their course requests fit into their schedule. Students will be given access, again via PowerSchool, to their finalized schedules over the summer. A window of time will be given for students to request schedule changes in August. All requests for changes must be made to each student's school counselor. All requests must be made via email. Please understand that no requests for changes, including online classes, will be accepted outside this window and no schedule changes will be made based on teacher preference.

NCAA Division I Requirements

Students must graduate high school and meet **ALL** the following requirements:

- Complete **16 core courses**:
 - Four credits of English
 - Three credits of math (Algebra 1 or higher)
 - Two credits of natural/physical science (including one year of lab science)
 - One additional credit of English, math or natural/physical science
 - Two credits of social science
 - Four additional credits of English, math, natural/physical science, social science, or world language
- Complete **10 core courses**, including seven in **English, math or natural/physical science**, before the seventh semester. Once students begin their seventh semester, they may not repeat or replace any of those 10 courses to improve their core-course GPA.
- Earn at least a **2.3 GPA** in their core courses.
- Earn an SAT combined score or ACT sum score matching their core-course GPA on the Division I sliding scale, which balances their test score and core-course GPA. If students have a low-test score, they need a higher core-course GPA to be eligible. If they have a low core-course GPA, they need a higher test score to be eligible. If they have a low core-course GPA, they need a higher test score to be eligible.

For more resources regarding these changes, visit NCAA.org/student-athletes/play-division-i-sports or the [Division I Academic Requirements Guide](#).

 = NCAA Approved Course

Guidelines for Honors Level and AP courses:

Students considering enrolling in Honors Level courses should consider the following:

- Honors level courses are highly rigorous and are designed for highly motivated and academically competent students.
- Students taking Honors level courses should consider their past academic performance. In general students whose grades are typically above 80% in prerequisite Honors course and 90% in prerequisite College Preparation course may consider Honors level course work.
- Students taking AP courses will need to decide if they are taking the AP Exam in the fall. Exam registration, payment, and ordering will take place during first semester. Any student who cancels an exam will be assessed a fee.

Differentiated Grading System/Weighted Courses

Art

AP Studio Art 1.10

Business/Computer

AP Computer Science A 1.10

Honors Accounting II 1.05

Honors Programming 1.05

English Language Arts

AP English Language /Comp. 1.10

AP English Literature/Comp 1.10

AP Seminar 1.10

English Composition I HACC 1.10

Honors American Literature 1.05

Honors British Literature 1.05

Honors English Language Arts 10 1.05

Mathematics

AP Calculus AB 1.10

AP Calculus BC 1.10

AP Statistics 1.10

College Algebra HACC 1.10

Honors Geometry 1.05

Honors Pre-Calc. 1.05

Science

AP Biology 1.10

AP Chemistry 1.10

AP Physics I: Algebra-Based 1.10

Chemistry 100 HACC 1.10

Environmental Science HACC 1.10

Honors Biology 1.05

Honors Chemistry 1.05

Honors Physics 1.05

Social Studies

AP Macroeconomics	1.10
AP Microeconomics	1.10
AP Psychology	1.10
AP World History	1.10
US History (A) - HACC	1.10
US History (B) - HACC	1.10

World Languages

Honors Level III	1.05
Honors Level IV	1.05
Honors Level V	1.05
World Language - College Level	1.10

The following classes will be graded Pass/Fail: Jazz Ensemble, Chamber Choir, Chamber Orchestra, Marching Band, and Support Class. A passing grade will not impact GPA; a failing grade will impact GPA.

Grade Promotion Requirements

Promotions to the next grade are governed by the following requirements:

- 10th Grade: 9 earned credits
- 11th Grade: 18 earned credits
- 12th Grade: 27 earned credits

Requirements for Marking Period Honor Rolls

Regular Honor Roll - Grade Point Average of 3.0 to 3.699. All students must have earned grades of 80% or higher.

Distinguished Honor Roll - Grade Point Average of 3.70 or higher. All students must have earned grades of 90% or higher.

Palmyra High School Grading Scale = Honor Roll Points Conversion:

93% - 100%	A	4.00
90% - 92%	A-	3.67
87% -89%	B+	3.33
83%-86%	B	3.00
80%-82%	B-	2.67
77%-79%	C+	2.33
73%-76%	C	2.00
70%-72%	C-	1.67
67%-69%	D+	1.33
63%-66%	D	1.00
60%-62%	D-	.67
59% and below (50%)	F	.00

Course Prerequisites

All course prerequisites are listed at the bottom of the course description and assume a passing grade in the prerequisite course listed.

User/Lab Fees

The Palmyra Area School Board has approved a user/lab fee of \$20.00 for 1.0 credit courses. A \$20.00 one-time music fee (for all music ensemble courses regardless of the number of music courses taken) will be required. Students will be informed of the date user fees are due to be paid to the classroom teacher. This will be done by semester. The teacher is responsible for the collecting, recording and submitting of fees to the high school office for deposit. All fees are deposited back into the district's general fund for disbursement at the school board's discretion.

DUAL ENROLLMENT, EARLY GRADUATION, AND COUGAR ACADEMY GUIDELINES

Palmyra Area School District Board Policy #217 (Graduation Requirements) provides students with opportunities to attend college on a part-time basis as a junior or senior or graduate early from high school.

To Access These Programs:

In addition to being academically eligible, the student would be required to:

- Meet the entrance requirements of the college or university
- Pay all costs associated with college enrollment including registration, tuition, dues, fees, textbooks and transportation.

Early College - Concurrent Enrollment (Part-time):

Students can attend college part-time or full-time during their junior and senior years while also attending the high school. Some college courses may also be used to satisfy high school graduation requirements with approval of administration. Although students choosing this option are not eligible for federal financial aid, many of the colleges with which the school is seeking agreements offer credits at a substantially reduced rate of half or less per credit hour. Students should consult with their School Counselor if interested in the Early College option.

Early Graduation (Graduation in 3.5 Years):

Students who complete 37 credits (including the required credits in each of the content areas) are eligible to graduate at the end of the first semester of their senior year. This can be completed by students completing two additional credits, at their own cost and on their own time, prior to the end of the first semester of their senior year. Students who wish to graduate early must plan carefully and closely consult with their counselor to ensure all required course work is completed successfully and that appropriate deadlines are met. Listed below is a link to additional information, including courses available, regarding our early graduation program. With this option, students are considered high school graduates and are eligible to apply for and potentially receive federal financial aid for college contingent upon meeting state and federal deadlines for financial aid. Students who graduate after the first semester may still attend the Prom, but may not participate on athletic teams during the second semester. Students should consult with their School Counselor if interested in the Early Graduation option.

CORE SUBJECT COURSE SEQUENCE

English Language Arts Curriculum Sequence

Pathway	8th	9th	10th	11th	12th
English Language Arts		CP English Language Arts 9 *Literacy Standards 9	CP English Language Arts 10 *Literacy Standards 10	English Language Arts 11	English Language Arts Elective
College Prep. English Language Arts	8 th grade English Language Arts (Grade below 90%)	CP English Language Arts 9 *Literacy Standards 9	CP English Language Arts 10 *Literacy Standards 10	CP American Literature Contemporary Literature	CP American Literature Contemporary Literature
Honors English Language Arts	8th grade English Language Arts (Grade of 90% or higher)	Honors English Language Arts 9 *Literacy Standards 9	Honors English Language Arts 10	Honors American Literature Honors British Literature AP English Language/Composition AP English Literature Composition	Honors American Literature Honors British Literature AP English Language/Composition AP English Literature Composition

Students are not required to stay in the same pathway throughout their four years at PHS.

English Language Arts Electives:

AP Seminar
 Film Studies
 Journalism
 Project Write
 Sports Literature

English Composition I HACC
 Introduction to Mass Communications
 *Literacy Standards (*By placement only*)
 Speech and Debate

Math Curriculum Sequence

Pathway	8th	9th	10th	11th	12th
Mathematics	Pre-Algebra (74% or lower)	Algebra I A/B	Algebra II A/B	Geometry	Accounting I** Honors Accounting II**
CP (College Preparation) Mathematics	Pre-Algebra (75% or higher)	CP Algebra I A/B Honors Algebra I	CP Algebra II A/B	CP Geometry	CP Pre-Calculus CP Finite Math CP Statistics AP Statistics College Algebra HACC
	8 th grade Algebra 1 (69% or below)	CP Algebra I A/B			
	8 th grade Algebra 1 (70-79%)	CP Algebra IIA/B	CP Geometry		CP Pre-Calculus CP Finite Math CP Statistics AP Statistics College Algebra HACC
		9th	10th	11th and 12th	
Honors Mathematics	8 th grade Algebra 1 (80% or higher)	Honors Algebra II	Honors Geometry	Honors Pre-Calculus AP Statistics AP Calculus College Algebra HACC	

Students are not required to stay in the same pathway throughout their four years at PHS.

Math Electives:

**Accounting I and Honors Accounting II (may count as a math credit in Grade 12 only)

NOTES:

- All A/B courses (Algebra IA and IB and Algebra IIA and IIB) must be taken in the same school year.
- If a student passes Algebra IA or IIA but fails Algebra IB or IIB, the student will need to re-enroll in the "A" portion of the course again the following year.
- All students must successfully complete full Algebra I, Algebra II, and Geometry courses.
- A student can accelerate his or her progress through the curriculum by taking more than one math class in a given year. Students should talk to their teacher and guidance counselor if interested.
- It is highly recommended that students moving from CP courses to Honors or AP courses, have previous Math grades of 90% or higher.

Science Curriculum Sequence

Pathway	8th	9th	10th	11th	12th
College Prep. Science	8th grade Science (Grade below 90%)	CP Physical Science	CP Biology A/B	CP Chemistry Science Elective *Science Standards	Science Elective
Honors Science	8th grade Science (Grade of 90% or higher)	Honors Physical Science	Honors Biology	Honors Chemistry Science Elective	Science Elective

Students are not required to stay in the same pathway throughout their four years at PHS.

Science Electives:

AP Biology

AP Physics

CP Anatomy/Physiology

CP Environmental Science

CP Physics

Environmental Science

Honors Physics

AP Chemistry

Chemistry 100 HACC

CP Earth Science

CP Forensic Science

Earth Science

Environmental Science HACC

NOTES:

- A/B courses (CP Biology) must be taken in the same school year.
- Students who pass Biology A but not Biology B, only need to re-take Biology B the following year.
- All students must successfully complete full Biology courses.
- An elective of Lab Science is highly recommended for college-bound students.

Social Studies Curriculum Sequence

Pathway	9th	10th	11th	12th
Social Studies	American Cultures	US Gov't. and Civics	World History: A Global Perspective	Social Studies Elective
Honors Social Studies	American Cultures	US Gov't. and Civics	World History: A Global Perspective AP World History	Social Studies Elective

Students are not required to stay in the same pathway throughout their four years at PHS.

Social Studies Electives:

American Popular Culture
 Archaeology/Forensic Anthropology
 AP Microeconomics
 AP World History
 Economics
 Psychology/Sociology
 World Religions

Ancient Civilizations
 AP Macroeconomics
 AP Psychology
 Anthropology
 Global Issues
 US History – HACC
 You and The Law

****These recommendations are meant to serve as a guide. All students are urged to consult with their teachers, counselor, and parents regarding their selections.***

COURSE OFFERINGS

AQUATICS/ HEALTH/ PHYSICAL EDUCATION

010010 Aquatics - Grades 9, 10, 11, 12

.5 credit

Students choosing Aquatics will be required to demonstrate proficiency in the following units: basic and/or advanced swimming strokes, water safety, skin diving, water polo, water fitness, and basic diving, as well as other game activities. Students with poor swimming ability should consider election of Aquatics in an effort to become "water safe." Students are required to provide their own suits and towels. Evaluation will be by a combination of unit skill tests, teacher observation, and student participation/on-task.

NOTE: This course will meet every other day and should be taken in combination with Health I or Health II in lieu of PE I or PE II. This class will count toward your required PE credit.

010020 Lifeguarding/Aquatics - Grades 9, 10, 11, 12

1 credit

Students will be required to demonstrate proficiency in the following units: basic and/or advanced swimming strokes, water safety and basic rescue, skin diving, water polo, water fitness, and basic diving, as well as other game activities. Students are required to provide their own suits and towels. Evaluation will be by a combination of unit skill tests, teacher observation, and student participation/on-task. There will not be a written final, but students will have an in the water, practical final. Students will also be provided the opportunity to complete the Red Cross Lifeguarding Program. This portion of the course will provide entry-level lifeguard participants with the knowledge and skills to prevent, recognize and respond to emergencies. It will also teach how to provide care for injuries and sudden illness until emergency medical service (EMS) personnel arrive and take over. In order to become Red Cross certified, participants need to be at least 15 years of age by the end of the course, pass a swimming pre-test, and a series of written tests. If students wish to become Red Cross certified, the cost is about \$50.00, which includes a pocket mask. To become certified, the participant needs to score an 80% or higher on all written tests and needs to perform at a proficient level on all the scenarios. The certificates will include Lifeguarding and First Aid and CPR for the Professional Rescuer. This class will count toward your required PE credit.

010030/010031 Physical Education IA/Health Education I - Grade 9 (required)

.5 credit/.5 credit

These courses must be taken together and will meet every other day for a semester. Instruction in the physical education segment will include health and skill related fitness concepts, various individual and team sports, and group activities. At this level, students will continue to develop mastery of skills in various sports as well as knowledge of rules and safety. Students will participate in drills, lead-up games and game situations. Required fitness tests will be administered. A daily change of clothing is required. Acceptable athletic attire for physical education class shall include: shirt, gym/athletic shorts, socks and sneakers. Topics for Health include self-responsibility for wellness, nutrition, substance abuse, and body systems. There is a cumulative final examination for Health.

ART

020030 Drawing and Painting I- Grades 9, 10, 11, 12

1 credit

Drawing and Painting I will build upon the skills learned in Introduction to Art. Students will work with a breadth of drawing and painting materials, learning new and/or more advanced skills techniques, and conceptual approaches. Expect to practice the behavior of artists as you produce, view, and discuss art. There will be increased fluency in visual language. Possible media may include: charcoal, pen and ink, watercolor, acrylic paint, intaglio printmaking, and etc.

PREREQUISITE: Introduction to Art

User Fee = \$20

020050 Introduction to Art - Grades 9, 10, 11, 12

1 credit

Introduction to Art is a foundational course required to progress further in Art at the High School level. Students will experience working with a wide breadth of media and learn new skills and techniques. Students will become engaged in the artistic process through researching, finding inspiration, and producing art. Students will gain exposure to art of the past and present and learn how to think critically about the visual arts. Possible media may include: pencil, pastel, watercolor, ceramic, acrylic paint, printmaking, collage etc.

User Fee = \$20

020080 Two - Dimensional Design - Grades 9, 10, 11, 12

1 credit

The purpose of this course is to challenge students to communicate through the visual arts in the mode of a designer. Students will become engaged in the artistic process through working for a specified audience and/or purpose, researching, and producing art. Students will gain exposure to and practice with many different kinds of media and processes, including a variety of ink types, scratchboard, sequential arts, hand-lettering, printmaking, and etc.

PREREQUISITE: Introduction to Art

User Fee = \$20

BUSINESS & COMPUTER EDUCATION

030080 Microsoft Office Projects - Grades 9, 10, 11, 12

1 Credit

Microsoft Office Projects is a course designed to build on and expand the skills developed prior to high school and to provide students with exposure to the advanced tools available in the core Microsoft Office Suite programs. Topics will include: tables, graphics, outlines, macros, mail merges, and interactive document content in Word; charts, formula development, and look up, statistical, financial and other advanced functions in Excel. Integration between the software packages will also be stressed via a simulation as the culminating activity.

030090 Multimedia Web Design - Grades 9, 10, 11, 12

1 credit

Multimedia Web Design is a course to provide students opportunities to develop proficiency in using leading graphic design, photo editing, and web publishing and design software. Students will learn to prepare and edit various multimedia documents by practicing the basics of creativity, balance, design, and layout as well as using leading web page design software to develop webpages using HTML coding. Projects will be real world applications involving student choice and originality. (Students should not take this course if they have previously taken Web Technologies or Digital Media)

030100 Sports and Entertainment Marketing - Grades 9, 10, 11, 12

1 credit

This is an introductory marketing course designed to incorporate business principles and procedures into the sports and entertainment industries. Students will learn to integrate the concepts of marketing, public relations, management, sales, distribution, and laws related to the sports and entertainment industries. Students will work individually and cooperatively to complete assignments and projects using the Internet and various computer technologies.

030120 Video Game Programming and Design - Grades 9, 10, 11, 12

1 credit

Video Game Programming and Design provides students with an entry point in order to design, program, and create fully functional video games. The course will introduce basic programming and design skills that are essential to developing a video game. Students taking the course will develop the practical skills related to using Unity and scripting languages that are applicable to fields outside of video game development. Theoretical aspects of game design will be covered, topics to include: Video Game Frameworks, Goals and Genres, Player Elements, Story and Character Development, Gameplay Design, World Building, and Interface Design.

ENGLISH LANGUAGE ARTS

040030 Broadcast Journalism – Grades 9, 10, 11, 12

1 credit

Broadcast Journalism is a fast-paced course focused on collecting newsworthy, school-related events to produce live and prerecorded video news segments for the student body. This is a project-based course that focuses on deadlines, news gathering, critical thinking skills, and ethical decision-making. Students will work with high-tech equipment inside and outside of the school. This course will be counted as a general elective.

PREREQUISITE: Introduction to Mass Communications

040060 CP English Language Arts 9- Grade 9



1 credit

This course provides in-depth academic level coverage of all areas useful in improving communication skills: grammar, vocabulary, writing, literature, speaking, reading, and listening. This broad spectrum is offered in a manner that gives the academic student a theoretical and practical foundation for future studies in English Language Arts.

040120 Honors English Language Arts 9 - Grade 9



1 credit

In a highly rigorous setting, this course provides in-depth academic study of the writing process, literature, speaking, grammar and vocabulary. This broad spectrum is offered in a manner that gives the honors student a theoretical and practical foundation for future English Language Arts study. Students in this course must demonstrate high motivation for learning in the English Language Arts field. All students who enroll in this class must complete a preliminary assignment in order to be prepared for the start of this course.

040140 Introduction to Mass Communications – Grades 9, 10, 11, 12

1 credit

Introduction to Mass Communications is the prerequisite course for the Cougar Media production courses: Journalism (Cougar Chronicle production), Broadcast Journalism (Cougar Media News), Yearbook (Palm Echo.) Students will learn about the role of journalism in our society, basic newswriting and publication processes, as well as layout, photography and beginning broadcasting skills. This course will be counted as an ELA elective.

040150 Journalism – Grades 9, 10, 11, 12



1 credit

Students enrolled in this course will produce *The Cougar Chronicle*, PHS's student-run newspaper. The class setting will replicate that of a professional news publication. Students in the course will report on school events, assume leadership roles, and make editorial decisions about content and layout. In addition, students will learn marketing techniques, participate in ad sales, and practice team building.

This course will be counted as an ELA elective. It can be taken more than once, based on schedule availability.

PREREQUISITE: Introduction to Mass Communications

040160 Literacy Standards 9 - Grade 9 (*By placement only*)

1 credit

This course is required for students who have scored basic or below basic on district reading assessments and/or who have scored basic or below basic on the grade 8 PSSA reading assessment. The course is designed for students who have additional learning needs that require more intensive reading intervention. The student will be taught reading strategies to improve critical thinking, reading fluency, comprehension, and vocabulary knowledge. Resources include both fiction and non-fiction texts along with an independent reading component and writing component that focuses on literature responses. Students assigned to Literacy Standards 9 will also need to schedule an English Language Arts class. PLACEMENT CRITERIA: PSSA ELA Assessment; District ELA Assessments, Study Island Reading Assessment, Grade Diagnostic Reading Assessment.

040240 Yearbook - Grades 9, 10, 11, 12

1 credit

Yearbook is a course offered to students who have successfully completed the Introduction to Mass Communications prerequisite course or have previously been enrolled in the Yearbook course and wish to repeat the course. Students enrolled in this course will produce the *Palm Echo* yearbook. Students will continue to write captions, headlines, and body copy according to journalistic standards. They will also take photographs and edit photos to be used in the yearbook. Students will utilize design layouts unique to yearbook production and use Jostens Yearbook Avenue software. This course will be counted as a general elective and may be repeated for an elective credit.
PREREQUISITE: Introduction to Mass Communications.

FAMILY AND CONSUMER SCIENCES

050010 Child Development–Grades 9, 10, 11, 12

1 credit

This course explores child development from the prenatal period through school age; physically, emotionally, socially and intellectually. There will be a baby simulation experience using a computerized infant. The students will also be responsible for planning and implementing a week-long nursery school with local preschoolers. Study of childhood, safety and health issues, special challenges for children, and observing an elementary classroom will also be included.
User Fee = \$20

050090 Fashion and Design I– Grades 9, 10, 11, 12

1 credit

This course (previously Clothing, Fashion and Fabrics) includes a study of fibers, fabrics and sewing techniques, both by hand and machine. It encompasses influences on clothing choices and customs, fashion history and the fashion industry. Students will learn care and maintenance of today's wardrobe as they create their own current fabric items. Projects include an apron, zipper pouch, pajama pants and many more. Students will need to furnish supplies for personal projects including pillow, pajama pants and student choice.
User Fee = \$20

050040 Foods I Grades 9, 10, 11, 12

1 credit

Students will gain basic knowledge of kitchen safety, tools and utensils, meal planning and consumerism. Students will have hands on experiences in a lab setting implementing basic food preparation techniques. This class will also delve into the world of fruits, vegetables, grains, and eggs. Students will learn many aspects of these important foods, as well as work with them using basic preparation techniques in the food's labs. Students will see that nutrition can be delicious and fun.
User Fee = \$20

050050 Foods II Grades 9, 10, 11, 12

1 credit

This class is for those curious about food and culture in other parts of the world. Students will build on their Foods I skills, while they learn about areas like Europe and Asia, discovering what makes each place unique as well as what they have in common. Labs will utilize traditional tools, ingredients, and dishes from distant and perhaps unfamiliar places.
PREREQUISITE: Foods 1
User Fee = \$20

050070 Housing and Interior Design – Grades 9, 10, 11, 12

1 credit

This course includes a practical approach to understanding the use of design elements and principles to make living areas attractive, comfortable, and serviceable. A variety of projects afford the students the opportunity to express individual creativity. The students will learn to identify historical house designs; social, service and private areas of a home; and efficient traffic flow within the home. A study of maintenance and storage needs will also be addressed.
User Fee = \$20

MATHEMATICS

060010 Algebra IA - Grade 9

1 credit

Algebra IA is designed for those students who need a thorough course in Algebra I, but at a slower pace. Topics include: Real Numbers, Linear Equations, Functions and Linear Inequalities. Evaluation procedures will include testing, projects, and a final examination. Students completing this course must take the sequel, Algebra IB.

060011 Algebra IB - Grade 9

1 credit

This course is the sequel to Algebra IA. Topics include: Systems of Equations and Inequalities, Exponents and Exponential Functions, Polynomials and Factoring, Quadratic Equations and Functions, Rational Expressions, and Probability and Data Analysis. Evaluation procedures will include testing, projects, and a final examination.

PREREQUISITE: Algebra IA

060070 CP Algebra IA - Grade 9



(0.5 NCAA credit)

1 credit

This course will move at a faster pace and go more in depth than Algebra 1A. Topics include: Real Numbers, Linear Equations, Functions and Linear Inequalities, Solving Equations and Inequalities, Solving Systems of Equations and Inequalities, Solving Applied Word Problems, and Graphing. Evaluation procedures will include testing, projects, and a final examination. Students completing this course must take the sequel, CP Algebra IB. A graphing calculator, from the Ti83/Ti84 series is highly recommended for this course.

PREREQUISITE: Pre-Algebra

060071 CP Algebra IB - Grade 9



(0.5 NCAA credit)

1 credit

This course is the sequel to CP Algebra IA. Topics include: Systems of Equations and Inequalities, Exponents and Exponential Functions, Polynomials and Factoring, Quadratic Equations and Functions, Rational Equations and Functions, and Probability and Data Analysis. Evaluation procedures will include testing, projects, and a final examination. A graphing calculator, from the Ti83/Ti84 series is highly recommended for this course.

PREREQUISITE: CP Algebra 1A

060080 CP Algebra IIA – Grades 9 or 10



(0.5 NCAA credit)

1 credit

This course will move at a faster pace and go more in depth than Algebra 2A. This academic course is designed for those students with a good understanding of the basic concepts of Algebra I. Topics include: Equations & Inequalities, Linear Equations and Functions, Linear systems and Matrices, Quadratic Functions and Factoring, and Polynomials and Polynomial Functions. This course is generally a college entrance requirement. Evaluation procedures will include testing, projects, and a final examination. A graphing calculator from the Ti83/Ti84 series is required for this course. Students completing this course must take the sequel, CP Algebra IIB.

PREREQUISITE: CP Algebra 1B

060081 CP Algebra IIB – Grades 9 or 10



(0.5 NCAA credit)

1 credit

This course is the sequel to CP Algebra 2A. This course will continue to develop concepts studied in CP Algebra IIA. Topics include: Rational Exponents and Radical Functions, Exponential and Logarithmic Functions, Rational Functions, Counting Methods and Probability, Data Analysis and Statistics, and Sequences and Series. This course is generally a college entrance requirement. Evaluation procedures will include testing, projects, and a final examination. A graphing calculator from the Ti83/Ti84 series is required for this course.

PREREQUISITE: CP Algebra II

060140 Honors Algebra I - Grade 9



1 credit

This course will cover CP Algebra 1A/1B in one semester. Topics include: Real Numbers, Linear Equations, Functions and Linear Inequalities, Solving Equations and Inequalities, Solving System of Equations and Inequalities, Solving Applied Word Problems, Graphing, Exponents and Exponential Functions, Polynomials and Factoring, Quadratic Equations and Functions, Rational Equations and Functions, and Probability and Data Analysis. Evaluation procedures will include testing, projects, and a final examination. A graphing calculator, from the Ti83/Ti84 series is required for this course.

PREREQUISITE: Honors Algebra 1 is offered by placement as determined by a student's 8th grade PSSA Math Exam result, Pre-Algebra grade, and teacher recommendation.

060150 Honors Algebra II – Grades 9 or 10



1 credit

This academic course is designed for the highly motivated and competent math student. The material covered in this course would be all the topics included in CP Algebra IIA/B, plus additional units on matrices and determinants. Evaluation procedures will include testing, projects, and a final examination. All students who enroll in this class must complete a preliminary assignment in order to be prepared for the start of this course. A graphing calculator from the Ti83/Ti84 series is required for this course.

PREREQUISITE: 8th grade Alg. I or 9th grade CP Algebra 1A/B

060160 Honors Geometry - Grades 9, 10, 11



1 credit (Weighted)

This academic course is designed for the highly motivated and competent math student. The student that experienced great success in Honors Algebra 2 and who truly enjoys mathematics would select this course. The materials covered in this course are all topics covered in College Prep. Geometry, but at an advanced level. Evaluation procedures will include testing, projects, and a final examination. All students who enroll in this class must complete a preliminary assignment in order to be prepared for the start of this course. A graphing calculator from the Ti83/Ti84 series is encouraged, but not required, for this course.

PREREQUISITE: Honors Algebra II or CP Alg. IIB

MUSIC

Note: Participation in Band, Chorus and Orchestra requires a year-long commitment every first period. Students can, however, participate in any or all the music performing groups. Exceptions will be granted through the specific ensemble director.

070020 Concert Band - Grades 9, 10, 11, 12

2 credits, 1 credit or .66 credits

The band is an ensemble course that rehearses as both a concert and a parade marching ensemble. The band participates at select parades and stage concerts. Extra practices are scheduled as needed. Attendance is a requirement of the course for the duration of all functions including all concerts, and community events. From this group, individuals may audition for Jazz Ensemble, which is a select group, and rehearses independent of the regular band schedule. All members are required to perform playing tests for seating and assessment throughout the year. Previous band enrollment at the middle school or high school level is preferred.

User Fee = \$20

070030 Concert Choir - Grades 9, 10, 11, 12

2 credits, 1 credit, or .66 credits

Using previous knowledge from the middle school choral setting, students in this non-auditioned ensemble will experience the skills necessary to become an active learner in the high school choral setting. Students will be formally assessed on their knowledge of the process of choral singing. This includes active participation, singing alone and with others, and the development of music theory and sight-singing techniques. This group provides performance opportunities outside of the school district that vary annually. If students are enrolled in the course, it is expected that they attend all performance as ample notice will be given. Previous chorus enrollment at the middle school or high school level is preferred*.

User Fee = \$20

070040 Guitar Performance - Grades 9, 10, 11, 12

1 credit

A course designed to help students develop their musical potential through the introductory study of guitar. Emphasis will be placed on posture, tone production, basic technique, reading standard music notation, tablature, and composition. No previous music experience is necessary; however daily practice is required.

070190 Introduction to Music Technology- Grades 9, 10, 11, 12

1 credit

Through the use of *Garageband*, this course, previously American Popular Music, will explore elements of music, rhythm, melody, and harmony, as well as the relationship of music to other art forms (dance, architecture, visual arts, literature, and drama). Students will develop critical listening skills while enhancing their enjoyment and understanding of various musical styles. Additional studies will include the music industry, elements of music, and the influence of mass media and technology.

070060 Music Appreciation- Grades 9, 10, 11, 12

1 credit

Students will investigate the development of western music and musical structure and how it relates to current music trends. Basic theory concepts of rhythm, melody, and harmony will be explored and applied through various mediums of music performance and hands on experiences with various musical instruments.

070090 Orchestra- Grades 9, 10, 11, 12

2 credits, 1 credit, or .66 credits

Orchestra is a performance group that performs the String Exchange, Holiday Concert, and Spring Concert. Students in this class will gain a general knowledge and experience of how to be a successful musician. Students will be graded on participation, listening assignments, as well as playing tests on orchestral literature, scales, and rhythm exercises. Students may also audition to be in an honors ensemble that meets outside of school. Previous orchestra enrollment at the middle school or high school level is preferred.

User Fee = \$20

070100 Piano Performance - Grades 9, 10, 11, 12

1 credit

A beginning piano course designed for students with little or no previous piano experience. Instruction will be delivered in group and individual settings with materials designed to meet the needs of various ability levels. Emphasis will be placed on posture and hand position, reading music, reading chord charts, solo playing, duets and group playing, basic music theory, and composition with computer notation programs. No previous music experience is necessary; however daily practice is required.

SCIENCE

080110 CP Physical Science - Grade 9 

1 credit

This academic course is designed for students who plan to attend college or technical school. It provides both descriptive and mathematical approaches to the study of physics and chemistry with an emphasis on application of knowledge. Among the topics covered in the course are: scientific methods, energy, phase changes, classification of matter, water, acid & bases, the atom, the periodic table, chemical nomenclature, chemical reactions, motion, and forces. The course evaluations are primarily based on tests, quizzes, homework, laboratory activities, and projects.

080160 Honors Biology - Grade 9, 10 

1 credit (Weighted)

This demanding course is designed for motivated students who plan to attend college for science-related studies. It is designed to provide a background in biology for the students who want to be challenged and can handle the accelerated pace of learning, since the curriculum will be completed within one semester instead of a full year. It will cover

biochemistry, cellular structure and energy, cellular membrane and transport, cellular division, nucleic acids and protein synthesis, genetics, biotechnology, evolution, ecological structure, and ecological relationships. In addition to theoretical work, laboratory experiences will be provided. All students who enroll in this class must complete a preliminary assignment in order to be prepared for the start of this course. Students will take the PA Biology Keystone Exam at the completion of this course.

PREREQUISITE: Honors Physical Science

080180 Honors Physical Science - Grade 9

1 credit

This demanding course is designed for motivated students who plan to attend college for science-related studies. It is designed for the student who wants to be challenged. As with CP Physical Science, it provides both descriptive and mathematical approaches to the study of physics and chemistry with an emphasis on application of knowledge. The pace will be faster, more material will be covered, and it will be covered in greater detail than in the CP course. There will also be more opportunities for enrichment. The course evaluations are primarily based on tests, quizzes, homework, laboratory activities, and projects. All students who enroll in this class must complete a preliminary assignment in order to be prepared for the start of this course.

SOCIAL STUDIES

090010 American Cultures - Grade 9

1 credit

This course deals with the leading aspects of American history from the early 20th Century to present day America. Attention is given to political issues, institutions, political parties, leadership, and diplomatic and constitutional questions; as well as economic, social, and intellectual trends. Major events and eras such as the Gilded Age, WWI, The Great Depression, WWII, Korean War, Vietnam War, The Civil Rights Movement, and the turn of the Millennium will be studied. This course also focuses on what is unique in the American historical experience and relates American history to the broader global context.

090020 American Popular Culture -Grades 9, 10, 11, 12

1 credit

This course is intended to examine and critically analyze the development and influence of American Popular Culture and how it has created the modern, interconnected world. There are three major objectives for the class. First, students will understand how major historical events influenced cultural development in America. Second, students will gain an understanding of how cultural developments in areas such as film, music, sports, media, etc., influenced American life in the 20th and 21st century. And, thirdly, students will learn how to assess and analyze current issues in the arts, entertainment and technology to consider competing perspectives on the future of American history and society, and an understanding of how the world views America through our culture.

090030 Ancient Civilizations - Grades 9, 10, 11, 12

1 credit

In this course, students will study the emergence of the major civilizations of the ancient world, beginning with the early river valley civilizations of Mesopotamia, Egypt, the Indus Valley and Yangtze-Huang He and finishing with the end with the dawn of the era of exploration, colonization and exploitation. Students will pay special attention to how societies evolved across this expanse of time—from fragmented and primitive agrarian communities to more advanced and consolidated civilizations. By the end of the course, students will possess a thorough understanding of important overarching social, political, religious, and economic themes in the ancient world. Students will analyze the interactions among the various cultures, emphasizing their enduring contributions and the link, despite time, between the contemporary and ancient worlds.

090070 Archaeology/Forensic Anthropology - Grades 9,10,11, 12

1 credit

This course focuses on Archaeology and Forensic Anthropology. Archaeology is the study of human history before recorded time and/or the study and re-evaluation of recorded human history. Students will learn about the theories and

methods of Archaeology and the basics of how to conduct and interpret an archaeological dig. Forensic Anthropology is the examination of skeletal remains. This examination can be used to first determine if the remains are in fact human. Then the forensic anthropologist can determine the gender, approximate age, physical stature, and likely racial affiliation of the person in life.



090090 Global Issues - Grades 9, 10, 11, 12

1 credit

Global Issues will focus on international problems confronting today's world and challenges that both unite and divide the various geo-cultural regions. Focus is on the study of multifaceted connections among nation states, nongovernmental organizations, diverse ethnic, cultural and religious groups, and populations around the world, through the analysis of current events and issues to understand how those matters are influenced by geography, history, culture, religion, governing systems, economics, resource management and human rights. Students will develop critical thinking skills and perspectives to better understand the many complexities in today's world and will collaborate to develop possible solutions strategies to those problems now and in the future.

SPECIAL EDUCATION

Academic Support - Grades 9, 10, 11, 12

100120 Academic Support (semester 1)

100121 Academic Support (semester 2)

2 credits

The purpose of this semester-long course is to support the regular education classroom instruction through the development of skills necessary for school success, such as organizational strategies and study skills. Students have the opportunity to practice applying the skills while working on regular education class assignments, projects, and tests. The course also helps prepare students for post-secondary transition through activities and speakers.

Enrollment Information: To enroll in this course, students must have an IEP. Placement into the course is at the discretion of the special education staff.

Affective Skills - Grades 9, 10, 11, 12

100110 Affective Skills I (semester 1)

100111 Affective Skills II (semester 2)

2 credits

These courses are designed to help students be successful at school and home, and in the workplace, and community. Students will work on improving themselves and their relationships with others. They will focus on developing skills such as self-advocacy, dealing with difficult situations, time management, organization skills, and interpersonal relationships. Students will be required to participate in group discussions and complete projects.

Enrollment Information: To enroll in this course, students must have an IEP. Placement into the course is at the discretion of the special education staff.

Intensive Language Arts Support - Grades 9, 10, 11, 12

100010 Intensive Language Arts Support I (semester 1)

100020 Intensive Language Arts Support II (semester 2)

2 credits

These courses are designed for students who require extensive instruction and practice in the areas of reading and writing using materials that are aligned with the students' current instructional levels and taught in a small group setting. Instruction is provided in the areas of reading decoding, reading comprehension, reading fluency, encoding, and written expression.

Enrollment Information: To enroll in this course, students must have an IEP. Placement into the course is at the discretion of the special education staff.

Intensive Math Support - Grades 9, 10, 11, 12

100040 Intensive Math Support I (semester 1)

100041 Intensive Math Support II (semester 2)

2 credits

These courses focus on the foundational skills for algebra by providing a comprehensive program for students who need a more hand-on approach to learning through the use of manipulatives to develop conceptual understanding. The class provides the necessary structure to model and solve problems, and links numerical and graphical representations to problem solving.

Enrollment Information: To enroll in this course, students must have an IEP. Placement into the course is at the discretion of the special education staff.

Language Arts Support - Grades 9, 10, 11, 12

100070 Language Arts Support I (semester 1)

100071 Language Arts Support II (semester 2)

2 credits

These courses focus on the fundamentals skills of reading and writing using materials that are aligned with the students' current instructional levels and taught in a small group setting. Reading and writing strategies are emphasized to teach skills in the areas of reading decoding, reading comprehension, reading fluency, encoding, and written expression

Enrollment Information: To enroll in this course, students must have an IEP. Placement into the course is at the discretion of the special education staff.

Math Support - Grades 9, 10, 11, 12

100090 Math Support I (semester 1)

100091 Math Support II (semester 2)

2 credits

These courses focus on skills necessary for future success in Algebra and is for students who need additional instruction and practice provided in a small group setting. The course is aligned to the district's pre-algebra curriculum and includes scaffolded lessons to help prepare students for complex math tasks.

Enrollment Information: To enroll in this course, students must have an IEP. Placement into the course is at the discretion of the special education staff.

100160 Science 9 – Grade 9

1 credit

This course provides a background of physics and chemistry with an emphasis on application of knowledge for students who also need additional instruction in the area of math. Among the topics covered in the course are: scientific methods, energy, phase changes, classification of matter, water, acid & bases, the atom, the periodic table, chemical nomenclature, chemical reactions, motion, and forces.

Enrollment Information: To enroll in this course, students must have an IEP. Placement into the course is at the discretion of the special education staff.

TECHNOLOGY & ENGINEERING EDUCATION

110010 Computer Aided Drafting and Design - Grades 9, 10, 11, 12

1 credit

This course further develops the students' understanding of drafting and design. Students will be involved in both mechanical and computer aided drafting, with the major emphasis on CADD. Activities will focus on problem-solving and the design process. Drafting based projects will include multi-view drawings, isometric drawings, and 3-D modeling. Architectural design will also be explored in this course through the design of floor plans and elevations. The software packages that will be utilized in this course will be Solidworks and AutoCad.

PREREQUISITE: Foundations of Technology & Engineering

User fee = \$20

110020 Digital Photography - Grades 9, 10, 11, 12

1 credit

Photography is a course that will center on the camera and the science of capturing light. Learning its functions will

be an important starting point. Focus will be placed on how to create a good photo by understanding composition, capture and processing techniques. As the course progresses, students will learn advanced techniques used to capture photos and process them. A segment of the course will be devoted to cell phone photography Apps and how to make the most of them. Photoshop, Lightroom and other software will be used throughout this course. Students must have access to a digital camera that has a resolution of 4 megapixels or better and has a removable memory card.

PREREQUISITE: Foundations of Technology & Engineering

User fee = \$20

110030 Engineering - Grades 9, 10, 11, 12

1 Credit

In this course students will discover the meaning of engineering. This understanding will be developed through various engineering activities and design challenges. Students will have the opportunity to solve engineering problems that are based on mechanical, electrical, civil, and chemical topics. The software packages that will be utilized in this course will be Solidworks,-AutoCad, Adobe Illustrator. Students will also be introduced to drafting and Computer-Aided Design during this course.

PREREQUISITE: Foundations of Technology & Engineering

User fee = \$20

110040 Engineering Design Through Metallic Materials - Grades 9, 10, 11, 12

1 credit

This class further refines students' skills in safety, manipulation of metals, and the engineering design process. Students will be challenged to design a unique metal-based product, create a full-scale mock-up of their design, produce their product, and evaluate the final work. Areas of study will include welding, machining, fastening, casting, and finishing of metals and metal products. Students will also engage in a mass manufacturing activity of metal project selected by the class.

PREREQUISITE: Foundations of Technology & Engineering

User fee = \$20

110050 Engineering Design Through Wood Materials - Grades 9, 10, 11, 12

1 credit

This class further refines students' skills in safety, manipulation of wood, and the engineering design process. Students will be challenged to design a unique wood-based product, create a full-scale mock-up of their design, produce their product and evaluate the final work. Areas of study will include the engineering design process, wood species identification, wood selection, figuring of cost, wood machining, wood joinery, fasteners, and wood finishing. Woodturning will be introduced in this class and students will have the opportunity to turn several items including a pen or mechanical pencil.

PREREQUISITE: Foundations of Technology & Engineering

User fee = \$20

110060 Foundations of Technology & Engineering - Grades 9, 10, 11, 12

1 credit

Look around; everything that does not occur naturally has been designed and produced by someone. Technology education is the study of the design process and the designed world. This is a fun, hands-on course that allows students to explore the various facets of technology to design and create some truly unique projects. As a result, students will develop a deeper and broader technological knowledge base that they can apply to the rest of their lives. Production activities will include the processing of wood, metal, and plastic as related to production technology. Engineering & Communication activities will be focused around photography, graphic design and engineering. Students will also use Adobe Photoshop, Adobe Illustrator, and CNC software. Students will also use the CNC machine, laser engraver, 3D printer, and vinyl cutter. This class is fun for everyone; do not miss out!

User fee = \$20

110070 Robotic Systems - Grades 9, 10, 11, 12

1 credit

This intense course will bring VEX Robotics to life! It will challenge students of all levels to design and fabricate

automated systems that are comparable to current industrial technologies. Students will learn the basic robotic skills required to construct and program automated devices. They will gain an understanding of simple and complex machines through problem solving and a hands-on approach.

PREREQUISITE: Foundations of Technology & Engineering

User fee = \$20

WORLD LANGUAGES

120010 French, 120020 Latin, 120030 Spanish - Level I



1 credit

The Level I language course is designed to introduce students to the language and the culture of the countries where the language is spoken, (or in the case of Latin, where the language was spoken). Students will learn high-frequency structures through Comprehensible Input Strategies, as they acquire listening, speaking, reading, and writing skills in context through stories and mini-novels that will increase in difficulty. The majority of instruction will be in the target language. Latin classes will include limited English-language vocabulary study. Emphasis is placed on reading and communication in Latin as well as Latin culture.

120040 French, 120060 Spanish - Level II



1 credit

The Level II language course is designed to deepen students' understanding of the language and the culture of the countries where the language is spoken. Students will build upon the concepts and topics introduced in level I through the use of Comprehensible Input Strategies. Students will expand their listening, speaking, writing and reading skills through the exploration of stories and mini-novels that increase in difficulty and utilize high-frequency vocabulary and grammar structures in the target language. The class will be conducted in the target language for a minimum of 90% of the instructional time.

Dual Enrollment Courses for Language Study



1 credit each (Weighted)

In addition to Spanish, French, and Latin, Palmyra Area High School, in partnership with Seton Hill University, will be offering the following Dual Enrollment and College in the Classroom courses:

CA0380 Arabic I-IV

CA0370 Japanese I, CA03071 Japanese II, CA0372 Japanese III, CA0373 Japanese IV

CA0390 Chinese I-IV

CA0400 Russian I-IV

CA0410 Latin I

The main goal for these courses is for students to acquire a culturally contextualized working knowledge and essential skills in a world language. The courses aim at developing four basic skills; reading, writing, listening, and speaking and at building a solid foundation in preparation for more advanced studies.

Students interested in a *Global Personalized Academics* online language course can earn 3 college credits per semester of study. Students will be responsible for the cost of each of the 3 college credit courses and the required textbook. Interested students should express their interest to their guidance counselor. All *Global Personalized Academics* college level course are weighted as AP-level courses.