

FORT KNOX MIDDLE HIGH SCHOOL

COURSE CATALOG

2021-2022



(502) 624-5332
Guidance Office

(502) 624-7030
Main Office

(502) 624-3697
Principal's Secretary

PARENTS & STUDENTS:

THE COURSES LISTED IN THIS CATALOG ARE COURSES THAT MAY BE AVAILABLE AS OF FEBRUARY 2021. DUE TO ENROLLMENT AND STAFFING FOR SCHOOL YEAR 21/22, THE POSSIBILITY EXISTS THAT SOME OF THESE COURSES MAY NOT BE AVAILABLE FOR NEXT SCHOOL YEAR.

DoDEA Course Descriptions

Table of Contents

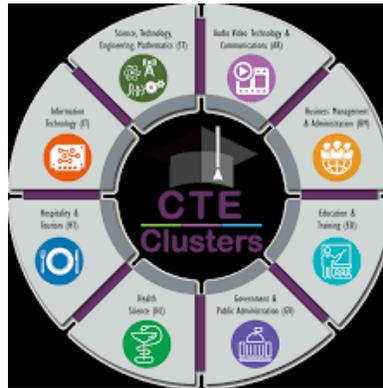
General Information	PAGE
High School Graduation Requirements and Honors Diploma	3
High School CTE Clusters and Pathways	4
High School Credit Classification	5
Grading System and Quality Points	5
High School Advanced Placement (AP) Examinations Policy	5
High School Weighted Grades – AP – of transferring students	5
High School Ranking System	6
High School Repeating a credit course policy	6
High School credit for Math/Foreign Lang. taken in Grades 7 & 8	6
High School Dual Enrollment	6
High School Class Changes (Drop/Add)	6
Procedure for Enrollment of Transferring Students	7
MIDDLE SCHOOL-GRADES 7/8- COURSE DESCRIPTIONS	8
HIGH SCHOOL COURSE DESCRIPTIONS	
ARMY JROTC	14
AVID	15
CAREER TECHNICAL EDUCATION (CTE)	15
ESOL	19
ENGLISH LANGUAGE ARTS	19
FINE ARTS	21
HEALTH AND PHYSICAL EDUCATION	27
MATHEMATICS	28
SCIENCE	30
SOCIAL STUDIES	32
WORLD LANGUAGE	35
ACADEMIC SUPPORT/EXTENDED COURSES	37
CREDIT RECOVERY	38
DODEA VIRTUAL SCHOOL PROGRAM	39

DoDEA High School Graduation Requirements

Students entering 9th grade SY 2015-2016 (Classes of 2019-2022)

(NOTE: Class of 2023 and beyond-require Biology, Chemistry, and Physics)

MINIMUM REQUIREMENTS			
Content Area*	Course Requirements	Standard Diploma	Honors Diploma
* AP and/or IB courses may be used to meet DoDEA requirements.			
English Language Arts	<ul style="list-style-type: none"> ● 1.0 credit (ELA 9) ● 1.0 credit (ELA 10) ● 1.0 credit (ELA 11) ● 1.0 credit (ELA 12) 	4.0 credits	4.0 credits
Social Studies	<ul style="list-style-type: none"> ● 1.0 credit (Global Studies 9 or 10) ● 1.0 credit (US 11: Dev of Democracy) ● 0.5 credit (US Gov't 12) ● 0.5 credit (Social Studies elective) 	3.0 credits	3.0 credits
Mathematics	<ul style="list-style-type: none"> ● 1.0 credit (Algebra I) ● 1.0 credit (Geometry) ● 1.0 credit (Algebra II) ● 1.0 credits (Math course code 400 or above) Note: Three credits must be earned in grades 9-12.	4.0 credits	4.0 credits
Science	<ul style="list-style-type: none"> ● 1.0 credit (Biology) ● 1.0 credit (Chemistry or Physics) ● 1.0 credit (Science elective) Note: Physics Applications and Chemistry Applications in the Community meet requirements. Note: Class of 2023 and beyond-require Biology, Chemistry, and Physics	3.0 credits	3.0 credits
World Language	<ul style="list-style-type: none"> ● 2.0 credits (WL course) Note: Credits must be in the same WL course.	2.0 credits	2.0 credits
Career Technical Education	<ul style="list-style-type: none"> ● 1.5 credits (CTE course offering) ● 0.5 credit (Computer technology CTE course) 	2.0 credits	2.0 credits
Physical Education	<ul style="list-style-type: none"> ● 0.5 credit (Lifetime Sports or equivalent PE course) ● 0.5 credit (Personal Fitness or equivalent PE course) ● 0.5 credit (Activity and Nutrition or equivalent PE course) Note: Two years of JROTC taken in a DoDEA school fulfills the 0.5 credit requirement for Lifetime Sports.	1.5 credits	1.5 credits
Fine Arts	<ul style="list-style-type: none"> ● 1.0 credit (Course in visual arts, music, theater, and/or humanities) 	1.0 credit	1.0 credit
Health Education	<ul style="list-style-type: none"> ● 0.5 credit (Health education course offering) 	0.5 credit	0.5 credit
Honors Diploma	<ul style="list-style-type: none"> ● 0.5 credit (Economic literacy in CTE, Social Studies, Science, and Mathematics. The following courses meet this requirement: Financial Algebra A or B, Financial Literacy, Economics, AP Human Geography, AP Economics, AP Macro or AP Micro Economics, AP Comp Govt, Environmental Science, AP Environmental Science, Business Personal Finance, Management Foundations, Management & International Business, and Marketing & Entrepreneurship) 	---	0.5 credit
Summary		Standard Diploma	Honors Diploma
Minimum Total Credits		26.0 credits	26.0 credits
Required Courses		21.0 credits	21.5 credits
Elective Courses		5.0 credits	4.5 credits
Advanced Placement and/or IB Courses and requisite exams		Not Required	4 courses
Minimum GPA		2.0 GPA	3.8 GPA
*AP and/or IB courses may be used to meet DoDEA requirements			



DoDEA Career & Technical Pathways offered at Fort Knox Middle High School

**Cluster: Audio Visual Technology & Communications
Pathway: Video Communications**

Course Name	Sequence	Carnegie Credits
Video Communications I*	Year 1	1.0
Video Communications II*	Year 2	1.0
Video Communications III*	Year 3	1.0
TOTAL:		3.0

**Cluster: Government & Public Administration
Pathway: National Security**

Course Name	Sequence	Carnegie Credits
JROTC I or II	Year 1	1.0
JROTC II or III	Year 2	1.0
JROTC III or IV	Year 3	1.0
TOTAL:		3.0

**Cluster: Education & Training
Pathway: Teaching as a Profession**

Course Name	Sequence	Carnegie Credits
Education I	Year 1	1.0
Education II	Year 2	1.0
Education III*	Year 3	1.0
TOTAL:		3.0

**Cluster: Information Technology
Pathway: Digital Design & Communication**

Course Name	Sequence	Carnegie Credits
Digital Media*	Year 1	0.5
Digital Imaging*	Year 1	0.5
Video Communications I*	Year 2	1.0
Web Design*	Year 3	0.5
Digital Publishing*	Year 3	0.5
TOTAL:		3.0

**Cluster: Science Technology Engineering Mathematics
Pathway: Engineering & Technology**

Course Name	Sequence	Carnegie Credits
Principles of Engineering*	Year 1	1.0
Robotics* (OR) Gaming Tech I* and II*	Year 2	1.0
Engineering Design & Development*	Year 3	1.0
TOTAL:		3.0

NOTE:

- Upon completion of the prescribed courses within a pathway, students are eligible to receive a transcript endorsement.
- All courses within pathways are required to earn an endorsement & are exclusive of graduation requirements. Please check with your school counselor to ensure that you have met all requirements to be eligible for graduation.
- Courses with an asterisk (*) are eligible to count towards the Computer Technology credit (0.5) needed for graduation.

CREDIT CLASSIFICATION REQUIREMENTS

Students are classified into a particular grade level based on the following number of credits earned as of 1st day in fall semester:

Freshman – 8th grade report card/promotion

Sophomore – 6 credits

Junior – 12 credits

Senior – 19 credits

Graduate – 26 credits

DEPARTMENT OF DEFENSE EDUCATION ACTIVITY (DODEA) POLICIES Fort Knox MHS School Profile

I. Grading System and Quality Points-middle school and high school

Subjects will be designated as Advanced Placement courses (AP), honors courses or regular courses. **No extra quality points are given for honors courses.**

The following quality points values are used in calculating the GPA for courses completed in DODEA.

<u>Numerical Average</u>	<u>Advanced Placement</u>	<u>Regular or Honors</u>
A = 90-100	5	4
B = 80-89	4	3
C = 70-79	3	2
D = 60-69	2	1
F = 59 & Below	0	0

When a new student transfers to Fort Knox Middle/High School, the registrar will transfer all letter grades from the previous school's transcript. The student's GPA will be calculated using the DODEA scale above. A student's GPA may change based on the previous school's policy on weighting honor's courses. Also, some schools give additional quality points for "+" and take away quality points for "-" on a letter grade. DODEA policy states that a B, B+, and B- all count as 3 quality points.

When a student's transcript has numerical grades instead of letter grades, a member of the guidance office will contact the previous school to find correct letter grade based on their scale.

High School - ½ credit is granted after the completion of 18 weeks in each course. A student's GPA is recalculated at this time.

II. Advanced Placement (AP) Examinations Policy- high school

A student taking an Advanced Placement course in a DoDEA high school will be required to take the requisite Advanced Placement Examination in order to receive a weighted grade for the course.

III. Weighted Grades – AP – of transferring students – high school

The Department of Defense Education Activity (DoDEA) will calculate the weighted grades of Advanced Placement (AP) courses for students transferring into DoDEA schools on the grade point scale used in all DoDEA schools. Students entering DoDEA schools with College Board recognized AP courses on their transcripts and proof of completing the respective AP examinations will receive the weighted points for the AP Courses consistent with those points awarded to AP courses in DoDEA.

DoDEA will not modify or alter transcripts received from non-DoDEA schools. However, the student's **Grade Point Average (GPA) will be calculated to match the point values for the letter grades issued in all DoDEA schools.** The intent of this policy is to calculate GPA for all students taking AP courses and completing the AP examination on an equitable basis. **Students who have completed AP courses and taken the examination in school systems where grades were not weighted will receive the weight for those AP courses in accord with the DoDEA grading scale.**

IV. Ranking System-high school

Final class rank is computed beginning with grade nine through the second semester of the twelfth grade (8 semesters). All students are included in the ranking. The grade point average used to determine rank in class is determined by dividing the number of quality points earned by the number of units of credit attempted. Rank is based on cumulative grades. Several students may have the same rank.

Class ranking for graduation will be determined following the second semester of the senior year for students enrolled at the end of the fourth quarter. All letter grades for eight semesters in grades 9 – 12 will be averaged to determine class rankings for graduation honors.

The determination of grade point average for class Valedictorian and Salutatorian will be based on student grades attained at the end of the second semester of the graduating year. Students who are graduating early, i.e., after completing 6 semesters of high school, are eligible to compete for this honor. DoDEA students must have been enrolled with a full course load (no less than 7 credits their senior year) in the DoDEA school by the twentieth (20) day of the first semester of the graduating year to be eligible for the academic honors of valedictorian and salutatorian. DoDEA students with an IEP who attend a DoDEA school on a less than full-time basis as part of their educational program determined by the CSC or Section 504 Accommodation Team will be provided equal educational opportunities, to include consideration for valedictorian and salutatorian.

V. Repeating a credit course policy-high school

A course for which credit is granted may be repeated for content or skill mastery. Credit will be given only once and the grade will be for the most recent course taken. The student's permanent record will show that the course was repeated. **In the case where a student fails a course required for specific graduation requirements, he or she may repeat the course more than once.**

VI. High School credit for Mathematics/Foreign Language Courses taken in Grades 7 & 8.

It is the policy of the Department of Defense Dependents Schools that high school credit toward graduation for students in grades 7 and 8 taking mathematics/world language will only be awarded for the successful completion of the Algebra I Course (MAA301) and/or higher-level mathematics and the high school level of a world language. However, this credit will **not** count toward the cumulative GPA. Middle school students will **not** receive high school credit for taking the Introduction to Algebra/Geometry (MAA303) and Introduction to Geometry/Algebra (MAG301) courses. **A student transferring to Fort Knox Middle High School must provide documentation for middle school credit.**

VII. Dual Enrollment-high school

DoDEA policy allows dual enrollment opportunities for juniors and seniors. Currently, students may take two college-level courses per semester. All financial obligations associated with the enrollment, articulation, and successful completion of a college-level course is the sole responsibility of the student/parent/sponsor and will not be shared by DoDEA. A Dual Enrollment consent application must be completed for each course. This is available in the guidance office or can be found on our school website. Students must earn a minimum of "C" or better to substitute the college level course for a DoDEA course. Courses taken for dual enrollment will not be weighted and will not be calculated in the GPA. It is the student's responsibility to provide the middle high school with a college transcript from their dual enrollment class(es).

VIII. Class Changes-high school

Students may drop/add a course before the end of the first 10 days of the semester with parent/counselor approval.

DROP/ADD procedure:

- 1) Student may pick up a drop/add form from any teacher or in the guidance office.
- 2) The form is completed and signed by a parent/guardian/student who is 18 years or older and returned to the guidance office.
- 3) The counselor will then determine if the change can be made.
- 4) If possible, a new schedule will be given to the student.
- 5) If **not** possible, the counselor will return the form with a reason. (The counselor **may** provide other alternate choices that will work.)

IX. Procedure for Enrollment of transferring students from outside Fort Knox Community Schools

Please use the DoDEA Online Registration System (DORS) to start registration.
<https://www.dodea.edu/DORS/index.cfm>

Items to bring to school to finalize registration:

1. A copy of the student's birth certificate, sponsor's PCS orders, and housing verification. **Non-biological** sponsors must also provide guardianship paperwork that would prove the student's eligibility to be with the non-biological sponsor. These students must have a military I.D. with the enrolling sponsor's name or biological parent can provide an I.D. and marriage certificate showing they are the spouse of the sponsor. Only court-ordered guardianships are eligible and must be approved by the superintendent.
2. For students in the 9th grade, a final report card or transcript from the 8th grade showing promotion to the 9th grade.
3. For students in the 10th, 11th, or 12th grade, a transcript showing credits from previous years in high school and a final report card or withdrawal grades from the previous/current school year. Our FAX number is (502) 624-6548 if the previous school would like to FAX us this information.
4. Please bring a copy of the student immunization record. Immunizations are available on a walk-in basis weekdays from 7:30 am - 11:00 am and 1:00 pm – 3:45 pm. A complete/compliant immunization record/print-out must be submitted to the School Nurse within 30 days of school entry.

Call (502) 624-5332 or see the registrar in the guidance office to schedule an appointment to register your student once the online registration process and necessary paperwork are submitted.

Middle School Course Descriptions

7th Grade Academic Course Descriptions

COURSE TITLE: Language Arts 7

GRADE LEVEL: 7

Major Concepts/Content: During the seventh-grade year, students develop advanced skills in reading and writing. They identify and understand idioms and comparisons, such as analogies and metaphors, in prose and poetry. They begin to use their knowledge of Greek, Latin, and Anglo-Saxon roots and word parts to understand science, social studies, and mathematics vocabulary. They continue to read a variety of grade-level-appropriate classic and contemporary literature, nonfiction, poetry, and plays, and they begin to identify their own areas of reading interest. They begin to read reviews, as well as critiques of both informational and literary writing. They write or deliver longer research reports (500-800 words or more) that take a position on a topic, and they support their positions by citing a variety of reference sources. They use a variety of sentence structures and modifiers to express their thoughts. They deliver persuasive presentations that state a clear position in support of an argument or proposal. By the end of Grade Seven, students are expected to be reading “At the Standard” (See the DoDEA ELA Addendum 1: Reading Performance Levels). The quality and complexity of materials read should reflect the grade-level-appropriate levels.

COURSE TITLE: Mathematics 7

GRADE LEVEL: 7

Major Concepts/Content: The Mathematics 7 course is aligned with the College and Career Ready Standards for seventh grade. In this course students develop an understanding of proportionality, operations with rational numbers, and linear expressions and equations. They solve problems involving scale, create geometric constructions, perform area and volume calculations for two- and three-dimensional figures, and make inferences about populations using data.

OR

COURSE TITLE: Advanced Mathematics 7/8

GRADE LEVEL: 7

Major Concepts/Content: The Accelerated Math 7/8 course is aligned with the College and Career Ready Standards for seventh grade and half of the College and Career Ready Standards for eighth grade. In this course students develop a coherent understanding of and fluency with the real number system focusing on rational numbers. Students use linear equations to analyze, represent, and solve problems related to data distributions. They apply knowledge from previous mathematics courses to work with two- and three-dimensional figures in preparation for concepts that will begin in Algebra 1. Application is emphasized.

COURSE TITLE: Integrated Science II

GRADE LEVEL: 7

Major Concepts/Content: Students in grade seven continue to deepen their knowledge of the life, earth, and physical sciences through more complex investigations and explanations. The concepts they study become increasingly abstract in a developmentally appropriate manner to allow for the incremental development of these cognitively complex ideas. Seventh graders also continue to develop their investigative skills by generating their own questions, recognizing and explaining the relationships among variables, and critiquing the conclusions that are drawn from scientific investigations. Specifically, these students explore the sciences within the framework of the following topics: “Cells and Heredity” (structure and function of cells and heredity), “Human Body Systems and Disease” (functions and interconnections within the human body and the breakdown of these functions due to disease); “Ecology: The Biotic and Abiotic Environment” (interactions and responses between biotic and abiotic Indicators and organisms); and “The Chemical Nature of Matter” (classifications and properties of matter, changes in matter). The science standards for grade seven provide the foundation for a course that is based on a rich and wide variety of learning experiences that actively engage students and accommodate a broad range of student learning styles through varied materials and instructional strategies. Students should observe, interact with materials and with people, and ask questions as they explore new concepts and expand their knowledge.

COURSE TITLE: Grade 7 United States History I

GRADE LEVEL: 7

Major Concepts/Content: The United States History I course is designed for students to study the history of the United States from early Native Americans through European exploration and settlement to the causes and outcomes of our Civil War. Students will use the five themes of geography to examine how the physical environment influences human settlement, economic activity, environmental issues, cultural achievements, religion/belief systems, and political connections. Specifically students will study our early history and geographic regions through investigations of the relationships between and among various Native American societies (Algonquian, Haudenosaunee, Muscogee) and European settlers (British, Dutch, French, Spanish); the growth of slavery; the conflicts between Great Britain and France in the 17th and 18th centuries in North America; the outcomes of the American Revolution and the historical development of our Constitution; the impacts of westward expansion and industrialization of the nation; and the reform movements of the early 19th century.

COURSE TITLE: Research Project

GRADE LEVEL: 7

Major Concepts/Content: Research Project is a course that allows students to explore different content area. Organizational skills and guided instruction in the four core content areas: Mathematics, English/Language Arts, Science and Social Studies are the main focus of this course.

COURSE TITLE: Study Skills

GRADE LEVEL: 7

Major Concepts/Content: Study Skills class period is divided into two different sections. The first section is guided instruction from one of the core content areas. We use this time for extensions to what we do in class and interventions. In the second part of the class, students have the opportunity to seek out teachers for assistance, work on homework or missing assignments, retest and relearn material, work on group projects, and independent academic learning time.

7th Grade Elective Course Descriptions

COURSE TITLE: Advancement Via Individual Determination (AVID)

GRADE LEVEL: 7

Major Concepts/Content: Advancement Via Individual Determination (AVID) M (year-long) is an academic elective course for students in Grades 6-8 that prepares students for college readiness and success. The rigorous college preparatory curriculum provided by the AVID Center includes tutor-facilitated study groups, motivational activities and academic success skills. Students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students use analog and digital binders and planners to organize materials and activities. Focused note-taking, goal setting and problem solving are weekly requirements. Students learn about the requirements to be college ready and explore their academic interests and options. Students must meet AVID participation requirements, apply to participate and be accepted into the AVID College Readiness

COURSE TITLE: Art

GRADE LEVEL: 7

Major Concepts/Content: This course (semester) is designed to develop essential art skills and to expand art experiences. This introduction to the elements and principles of design and art appreciation focuses on a variety of media including painting, drawing, sculpture, and printmaking. Major Instructional Activities: Instructional activities will provide experience with art materials, tools, and equipment commonly used in art education programs, Students will learn to produce works of art in several media, to develop knowledge of art processes and techniques, and to understand the proper care of tools and materials. Visits to art galleries, studios, and museums will be included when feasible.

COURSE TITLE: Beginning Band

GRADE LEVEL: 7

Major Concepts/Content: The beginning band course (year-long) is designed to introduce students to the following: basic instrumental music techniques such as tone production, articulation, breath control, pitch discrimination; melodic and rhythmic concepts and patterns; practice skills and habits; solo, ensemble, and full group rehearsals; a variety of instrumental repertoire; opportunities for private instruction; experiences in performing; and sound practice habits.

COURSE TITLE: Beginning Chorus

GRADE LEVEL: 7

Major Concepts/Content Beginning Chorus (semester) is aligned to the DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS) and designed to provide students Grades 5-8, with experiences in the four artistic processes of creating, performing, connecting and responding to chorus. The students are introduced to the following vocal fundamentals of sight-reading vocal music, distinguishing and singing two and three-part music, singing with ensembles and chorus, studying intonation, singing a cappella, experiencing a wide variety of choral repertoire including secular and no secular music, singing with keyboard and other instrumental accompaniment, and singing in public performances and musical productions.

COURSE TITLE: Computer Applications

GRADE LEVEL: 7

Major Concepts/Content: This course (semester) is designed to assist students in applying a variety of computer technology and its application to their daily lives. In addition to information literacy, the areas of technology may include word processing, spreadsheet, database, internet, e-communication, graphics, presentation and publications applications, and using digital and scanning equipment. Students will work independently and collaboratively to enhance their technology skills.

COURSE TITLE: Creative Thinking

GRADE LEVEL: 7

Major Concepts/Content: The success of any creative work depends not only on the ability to find good ideas, but on the skills for developing, managing and presenting those ideas to others. This course will explore different techniques for finding and developing ideas (such as brainstorming, improvisation games, and whiteboard techniques), and apply them in common project and professional situations, such as presenting design briefs to potential clients, pitching ideas to peers or superiors, and winning design or creative debates with others. Readings and assignments will pull from cross discipline examples including digital media, architecture, web design, film production and others. Selection is based on teacher recommendation and student data.

COURSE TITLE: Health Education

GRADE LEVEL: 7

Major Concepts/Content: This course (semester) is designed to help students obtain, process and use basic information and skills related to the health issues of adolescents and the pre-cursors of adult health problems that have risk factors that may emerge during adolescence. Developmentally appropriate concepts of personal and community health, safety and injury prevention, and nutrition and physical activity are taught in this course. Students apply health education concepts and health literacy skills, e.g., practicing interpersonal communications; analyzing positive and negative, internal and external influences on health decisions; and demonstrating health self-care practices in managing personal daily activities related to health promotion and disease, injury prevention, nutrition and physical activity. Students conceptualize health knowledge related to issues of adolescents and apply health literacy skills in making appropriate, healthful decisions.

COURSE TITLE: Physical Education (P.E)

GRADE LEVEL: 7

Major Concepts/Content: The Physical Education course (semester) is designed to fully enable seventh grade students to progress in the skill competencies and conceptual knowledge related to the movement and physical activity and personal and social needs of adolescents. Developmentally appropriate concepts of physical fitness, motor skill and personal and social development are included in this course. Students apply appropriate physical activity and fitness concepts to the development of a health-enhancing level of physical fitness. They apply basic biomechanical principles, tactical skills and strategies in modified sports and activities and demonstrate competency in critical elements of serving, bumping, dribbling, scoring, fielding, batting, and forehand and backhand striking. They understand the importance of rules and safety procedures and can define the FITT Principle as it relates to physical fitness development. Students plan ways to do physical activity as part of their daily routine.

COURSE TITLE: Piano I S

GRADE LEVEL: 7

Major Concept/Content: Piano I (semester) course middle school course is designed to introduce students to the study of piano. The content is aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS) and includes but is not limited to staff notation and rhythm concepts, major and minor chord recognition, hand techniques, familiarity in playing of piano repertoire, performance as soloists and in group ensembles, intonation and accompaniment techniques.

COURSE TITLE: Video Production

GRADE LEVEL: 7

Major Concept/Content: The Introduction to Video Production AB (semester) course is designed to provide middle school students with exploratory and investigative activities dealing with camera functions, filming techniques, composition, non-linear/linear editing, and computer animation/graphics.

COURSE TITLE: Spanish I or French I German I- **NOTE THIS IS A HIGH SCHOOL LEVEL COURSE AND THE CURRICULUM IS CONSIDERED QUITE RIGOROUS FOR MIDDLE SCHOOL STUDENTS**

GRADE LEVEL: 7

Major Concepts/Content: The World Language course (year-long) for students in Grades 7-8 is designed to further develop students in the four basic skill areas: speaking, listening, reading and writing. Emphasis is placed on proficiency, communication and culture. The World Language Program is aligned to the National Standards in Foreign Language Education published by the American Council on the Teaching of Foreign Languages (ACTFL).

Course Note: This course satisfies the Foreign Language (1 of 2 credits) graduation requirement.

8th Grade Academic Course Descriptions

COURSE TITLE: Language Arts 8

GRADE LEVEL: 8

The Language Arts 8 course is designed to strengthen students' skills in listening, speaking, writing, literature, and language. The content includes, but is not limited to, writing notes from information received aurally; developing an awareness of sexism, racism, and age bias in material heard, viewed, or read; differentiating between emotional and intellectual arguments in a spoken or written discussion; discriminating among fact, fiction, opinion, assumption, and inference in spoken and written language; writing paragraphs composed of an appropriate topic sentence and adequate supportive material; writing coherent answers on essay tests; writing in various modes for self-discovery, self-expression, and enjoyment; presenting narrative and descriptive writing; identifying basic literary terms as they are used in discussing literature, e.g., characterization, plot, setting, and mood; using parts of speech correctly in final written drafts and in speech in the classroom setting; and reading and reviewing self-selected books to help students learn to view reading as a useful and pleasurable activity.

COURSE TITLE: Mathematics 8

GRADE LEVEL: 8

The Mathematics 8 course is aligned with the College and Career Ready Standards for eighth grade. In this course, students use modeling to solve linear equations and systems of linear equations and they use functions to describe relationships between quantities. Students analyze two- and three-dimensional figures and their properties and develop an understanding of similarity and congruence. They apply their understanding of the Pythagorean Theorem and how it relates to functions and geometry. Application and modeling are emphasized.

OR

COURSE TITLE: Math 8/Algebra I

GRADE LEVEL: 8

The Math 8/Algebra 1 course is designed to allow students who have completed the Accelerated Math 7/8 course to complete the coursework aligned with the College and Career Ready Standards for eighth grade and complete coursework aligned with the College and Career Ready Standards for Algebra 1. In this course students develop knowledge in mathematics through work with linear expressions and equations. Essential topics include interpreting quantities and rates, functions and function notation, rational exponents, quadratic relationships, and using regression techniques to describe relationships between data sets. Application and evaluation are emphasized.

***Note:** This course, along with completion of Accelerated Math 7/8 meets the Math Algebra 1 graduation requirement. (1.0 earned High School Credit)

COURSE TITLE: Integrated Science III

GRADE LEVEL: 8

Integrated Science III is designed to provide students with an integrated approach to three traditional science disciplines (life science, physical science, and earth/space science) in addition to science as inquiry, science & technology, science & social perspectives, and the history & nature of science. The course integrates the traditional disciplines using the unifying concepts and processes of systems, order & organization, evidence, models & explanation, change, consistency & equilibrium, and form and function. Scientific inquiry and understanding about inquiry are emphasized through practical implications and meaningful applications. Topics students investigate include human physiology, genetics, forces and motion, light, heat, and rocks and minerals.

COURSE TITLE: US History 8

GRADE LEVEL: 8

Students in grade eight study the ideas, issues, and events leading to framing of the Constitution through Reconstruction. After reviewing the development of America's democratic institutions, they learn about the challenges facing the new nation, with an emphasis on the causes, course, and consequences of the Civil War. They make connections between the rise of industrialization and contemporary social and economic conditions.

COURSE TITLE: Research Project

GRADE LEVEL: 8

Major Concepts/Content: Research Project is a course that allows students to explore different content area. Organizational skills and guided instruction in the four core content areas: Mathematics, English/Language Arts, Science and Social Studies are the main focus of this course.

COURSE TITLE: Study Skills

GRADE LEVEL: 8

Major Concepts/Content: Study Skills class period is divided into two different sections. The first section is guided instruction from one of the core content areas. We use this time for extensions to what we do in class and interventions. In the second part of the class, students have the opportunity to seek out teachers for assistance, work on homework or missing assignments, retest and relearn material, work on group projects, and independent academic learning time.

8th Grade Elective Course Descriptions

COURSE TITLE: Beginning Band

GRADE LEVEL: 8

Major Concepts/Content: The beginning band course (year-long) is designed to introduce students to the following: basic instrumental music techniques such as tone production, articulation, breath control, pitch discrimination; melodic and rhythmic concepts and patterns; practice skills and habits; solo, ensemble, and full group rehearsals; a variety of instrumental repertoire; opportunities for private instruction; experiences in performing; and sound practice habits.

COURSE TITLE: Advanced Band

GRADE LEVEL: 8

PREPARATION: 1 year of band experience

Major Concepts/Content: The advanced band course (year-long) is designed to acquaint students with advanced instrumental music skills. The content includes, but is not limited to, the following: the interpretation and analyzation of musical scores; the application of musical nuances in playing from a score; independent performance of all major and minor scales; advanced rhythm patterns; performance as a soloist and in small and large group ensembles; a variety of music repertoire, including style, periods, forms, electronic music; intermediate to advanced level sight-reading exercises; and introduction to computer/synthesizer musical composition. This is a repeatable course. Subsequent enrollment requires more rigor.

COURSE TITLE: Advancement Via Individual Determination (AVID)

GRADE LEVEL: 8

Major Concepts/Content: Advancement Via Individual Determination (AVID) M (year-long) is an academic elective course for students in Grades 6-8 that prepares students for college readiness and success. The rigorous college preparatory curriculum provided by the AVID Center includes tutor-facilitated study groups, motivational activities and academic success skills. Students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth. Students use analog and digital binders and planners to organize materials and activities. Focused note-taking, goal setting and problem solving are weekly requirements. Students learn about the requirements to be college ready and explore their academic interests and options. Students must meet AVID participation requirements, apply to participate and be accepted into the AVID College Readiness.

COURSE TITLE: Art

GRADE LEVEL: 8

Major Concepts/Content: The Art 8 course (semester) is designed to develop essential art skills and to expand art experiences. This introduction to the elements and principles of design and art appreciation focuses on a variety of media including painting, drawing, sculpture, and printmaking. Major Instructional Activities: Instructional activities will provide experience with art materials, tools, and equipment commonly used in art education programs, Students will learn to produce works of art in several media, to develop knowledge of art processes and techniques, and to understand the proper care of tools and materials. Visits to art galleries, studios, and museums will be included when feasible.

COURSE TITLE: Computer Applications

GRADE LEVEL: 8

Major Concepts/Content: This course (semester) is designed to assist students in applying a variety of computer technology and its application to their daily lives. In addition to information literacy, the areas of technology may include word processing, spreadsheet, database, internet, e-communication, graphics, presentation and publications applications, and using digital and scanning equipment. Students will work independently and collaboratively to enhance their technology skills.

COURSE TITLE: Creative Thinking

GRADE LEVEL: 8

Major Concepts/Content: The success of any creative work depends not only on the ability to find good ideas, but on the skills for developing, managing and presenting those ideas to others. This course will explore different techniques for finding and developing ideas (such as brainstorming, improvisation games, and whiteboard techniques), and apply them in common project and professional situations, such as presenting design briefs to potential clients, pitching ideas to peers or superiors, and winning design or creative debates with others. Readings and assignments will pull from cross discipline examples including digital media, architecture, web design, film production and others. Selection is based on teacher recommendation and student data.

COURSE TITLE: Health and Fitness Conditioning

GRADE LEVEL: 8

Major Concepts/Content: This course (semester) is designed to enable students to continue to develop the movement skills and conceptual knowledge in sports and physical activities of the student's choosing. The course focuses on one category of sport or activity, teaching and improving the motor skills and tactical knowledge unique to that category of physical activity. Activities include Aerobics, Spinning, Outdoor Pursuits, Pilates, Strength Training, and Mind Body Exercise.

COURSE TITLE: Health Education

GRADE LEVEL: 8

Major Concepts/Content: This course (semester) is designed to help eighth grade students obtain, process and use basic information and skills related to the health issues of adolescents and the pre-cursors of adult health problems that have risk factors that may emerge during adolescence. Developmentally appropriate concepts of personal and community health, safety and injury prevention, and nutrition and physical activity are taught in this course. Students apply health education concepts and health literacy skills, e.g., practicing interpersonal communications; analyzing positive and negative, internal and external influences on health decisions; and demonstrating health self-care practices in managing personal daily activities related to health promotion and disease, injury prevention, nutrition and physical activity. Students conceptualize health knowledge related to issues of adolescents and apply health literacy skills in making appropriate, healthful decisions.

COURSE TITLE: Physical Education (P.E)

GRADE LEVEL: 8

Major Concepts/Content: The Physical Education course (semester) is designed to fully enable eighth grade students to progress in the skill competencies and conceptual knowledge related to the movement and physical activity and personal and social needs of adolescents. Developmentally appropriate concepts of physical fitness, motor skill and personal and social development are included in this course. Students apply appropriate physical activity and fitness concepts to the development of a health-enhancing level of physical fitness. They apply basic biomechanical principles, tactical skills and strategies in modified sports and activities and demonstrate competency in critical elements of movement, dance and specialized sports. They understand the importance of rules and safety procedures and can define the FITT Principle as it relates to physical fitness development. Students design performance sequences and plan and monitor physical activities to improve performance.

COURSE TITLE: Video Production

GRADE LEVEL: 8

Major Concept/Content: The Introduction to Video Production AB (semester) course is designed to provide middle school students with exploratory and investigative activities dealing with camera functions, filming techniques, composition, non-linear/linear editing, and computer animation/graphics.

COURSE TITLE: Spanish I or French I or German I - **NOTE THIS IS A HIGH SCHOOL LEVEL COURSE AND THE CURRICULUM IS CONSIDERED QUITE RIGOROUS FOR MIDDLE SCHOOL STUDENTS**

GRADE LEVEL: 8

Major Concepts/Content: The Spanish I and German I course for students in Grades 7-8 is designed to further develop students in the four basic skill areas: speaking, listening, reading and writing. Emphasis is placed on proficiency, communication and culture. The World Language Program is aligned to the National Standards in Foreign Language Education published by the American Council on the Teaching of Foreign Languages (ACTFL).

Course Note: This course satisfies the Foreign Language (1 of 2 credits) graduation requirement.

COURSE TITLE: Spanish II or German II - **NOTE THIS IS A HIGH SCHOOL LEVEL COURSE AND THE CURRICULUM IS CONSIDERED QUITE RIGOROUS FOR MIDDLE SCHOOL STUDENTS**

GRADE LEVEL: 8

PREPARATION: *Successful completion of Level I language or equivalent*

Major Concepts/Content: The Spanish II course for students in Grades 7-8 is designed to further develop students in the four basic skill areas: speaking, listening, reading and writing. Emphasis is placed on proficiency, communication and culture. The World Language Program is aligned to the National Standards in Foreign Language Education published by the American Council on the Teaching of Foreign Languages (ACTFL).

Course Note: This course satisfies the Foreign Language (1 of 2 credits) graduation requirement

High School Course Descriptions

Army Junior ROTC

JROTC motivates young people to be better citizens and prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American Citizens. The program is a stimulus for promoting graduation from high school and provides instruction and rewarding opportunities that will benefit the student, community and nation. Satisfactory completion can lead to advanced rank in the armed forces.

Each Leadership Education and Training (LET) level is based on the one that precedes it and includes progressive study in the following areas: drill and ceremonies; first aid, wellness and fitness; Geography and Earth Science; citizenship and American history. Additional work is done in Winning Colors, Unlocking Your Potential and Marksmanship.

NOTE: two years of successful completion in DoDEA JROTC, will satisfy the 0.5 credit in Lifetime Sports.

COURSE TITLE: Army JROTC I
GRADE LEVEL: 9–12
CODE: VER301

The Army JROTC I (year-long) course is designed to present the history, purpose, and objectives of the junior and senior JROTC program; the wearing of the uniform; respect for the flag and National Anthem; and organizational principles.

Course Note: This course satisfies the Career Technical Education (1 of 1.5 credits) graduation requirement.

COURSE TITLE: Army JROTC II
GRADE LEVEL: 9-12
CODE: VER401
PREPARATION: Army JROTC I

The Army JROTC II (year-long) course is designed to present discussion of self-concept; the definition of management; the elements of the leadership process; practical exercise in the development of leadership skills; the school of the soldier; the role of cadets as leaders; and the value of physical exercise and conditioning.

Course Note: This course satisfies the Career Technical Education (1 of 1.5 credits) graduation requirement.

COURSE TITLE: Army JROTC III
GRADE LEVEL: 11-12
CODE: VER501
PREPARATION: Army JROTC II

The Army JROTC III (year-long) course is designed to present discussion of military leadership and managerial techniques, the aspect of mutual respect (leader/subordinate relationship), the duties of a leader/manager the building of teamwork and team spirit, the flow of communication, the management to operating level and back, the problem-solving process, staff supervision of assigned tasks, and staff functions and procedures.

Course Note: This course satisfies the Career Technical Education (1 of 1.5 credits) graduation requirement.

COURSE TITLE: Army JROTC IV
GRADE LEVEL: 12
CODE: VER601
PREPARATION: Army JROTC III

The Army JROTC IV (year-long) course is designed to present the psychology of leadership; review of LD-3 instruction; the moral aspects of leadership; group relations and behavior; indicators of leadership, communications, and management of resources; the problem-solving process; and practical exercises in problem solving and management.

Course Note: This course satisfies the Career Technical Education (1 of 1.5 credits) graduation requirement.

Advancement via Individual Determination (AVID)

COURSE TITLE: AVID 9, 10, 11, 12

GRADE LEVEL: 9-12

CODE: LAV301; LAV401; LAV501; LAV601

At the secondary grade levels (6th – 12th grades), AVID (year-long) is an approved elective course taken during the school day. In the AVID elective class, students learn organizational and study skills, work on critical thinking and asking probing questions, get academic help from peers and college tutors, and participate in enrichment and motivational activities that make college seem attainable. Students in AVID are expected to enroll in rigorous classes, such as honors and Advanced Placement®. As students' progress in AVID, their self-images improve, and they become academically successful leaders and role models for other students.

The AVID Curriculum: The AVID curriculum, based on rigorous standards, was developed by middle and senior high school teachers in collaboration with college professors. It is driven by the WICOR method, which stands for writing, inquiry, collaboration, organization, and reading. AVID curriculum is used in AVID elective classes and in content-area classes in AVID schools

The AVID Student: AVID targets students in the academic middle, who have the desire to go to college and the willingness to work hard. These are students who are capable of completing rigorous curriculum but are falling short of their potential. AVID pulls these students out of their unchallenging courses and puts them on the college track: acceleration instead of remediation. The eligibility to become an AVID student is a 2.0-3.5 GPA, scores between the 50th and 80th percentiles on standardized testing, teacher and administrator recommendation, and expressed commitment to achievement. **Students must apply to be accepted into the AVID program. Since students must meet certain criteria for enrollment, see a guidance counselor to find out more information about the application process. AVID enrollment requires 2 courses of rigor taken concurrently with the AVID enrollment.**

COURSE TITLE: AVID TUTOR

GRADE LEVEL: 11-12

CODE: AAT501

Major Concepts/Content: Advancement via Individual Determination (AVID) (year-long) is an academic elective course that prepares students for college readiness and success. AVID Tutors help facilitate the rigorous, college-preparatory curriculum provided by the AVID Center. AVID Tutors serve as collaborative learning facilitators when AVID students engage in weekly tutorial sessions. AVID Tutors assist in all aspects of the AVID elective where coursework focuses on writing, inquiry, collaboration, organization and reading to support their academic growth. AVID students take courses that meet the four-year college entrance requirements and prepare for college acceptance and persistence, including application and examination (SAT and ACT) preparation. AVID Tutors must apply to participate in this course and be accepted into the AVID College Readiness System as an AVID Tutor. Course Note: This course satisfies the Elective (.5 of 5 credits) graduation requirement.

Course Note: To be an AVID Tutor the student must have been in the AVID program a minimum of 1 year.

Career Technical Education

COURSE TITLE: Robotics Engineering

GRADE LEVEL: 10-12

CODE: CTE502

Biotechnology Engineering (year-long) is an introductory course to the field of biotechnology engineering and providing an overview of the following biotechnology domains: Safety and Skills, History of Biotechnology, DNA Technology, Forensic and Medical Biotechnology, Agricultural Biotechnology, Industrial Biotechnology, and Bioinformatics.

Course Note: This course satisfies either the Career Technical Education (1 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Gaming Technology I
GRADE LEVEL: 10-12
CODE: CTI401

The Gaming Technology I (semester) course teaches students the concepts and requirements for intermediate development of computer games. Students will gain first-hand knowledge by creating games that tie directly to the industry.

Course Note: This course satisfies either the Career Technical Education (.5 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Gaming Technology II
GRADE LEVEL: 10-12
CODE: CTI402

The Gaming Technology II (semester) course teaches high school students the concepts and requirements for advanced development of computer games. Students will create 2-D and 3-D games.

Course Note: This course satisfies either the Career Technical Education (.5 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Business and Personal Finances
GRADE LEVEL: 10-12
CODE: CTB301S

The Business and Personal Finance (semester) course helps students develop financial literacy skills and an understanding of economic principles. Students will learn how to make informed, responsible decisions related to budgeting, banking, credit, insurance, spending, taxes, saving, and investing. **Course Note:** This course satisfies the Career Technical Education (.5 of 1.5 credit) graduation requirement.

Course Note: This course satisfies the Career Technical Education (0.5 of 1.5 credit) graduation requirement.

COURSE TITLE: Digital Imaging
GRADE LEVEL: 9-12
CODE: CTI307S

The Digital Imaging (semester) course provides students with the opportunity to develop professional level skills in imaging software. Students successfully completing this course may be eligible to take an Adobe Certified Associate level certification exam.

Course Note: This course satisfies either the Career Technical Education (.5 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Digital Media
GRADE LEVEL: 9-12
CODE: CTI405S

The Digital Media (semester) course provides students with the opportunity to develop professional-level skills in multimedia using Adobe Flash. Topics include creating professional digital media creations using animation, sound, and videos. The course also introduces students to document construction for publishing on the World Wide Web using authoring software. Students successfully completing this course may be eligible to take an Adobe Certified Associate level certification exam.

Course Note: This course satisfies either the Career Technical Education (.5 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Digital Publishing

GRADE LEVEL: 10-12

CODE: CTI308S

The Digital Publishing (semester) course provides students activities using Adobe InDesign software. Topics include Basic Graphic and Layout Designs; Graphic and Layout Design; Imaging Process and Creating Publications. Students successfully completing this course may be eligible to take an Adobe Certified Associate level certification exam.

Course Note: This course satisfies either the Career Technical Education (.5 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Web Design

GRADE LEVEL: 10 - 12

CODE: CTI407S

The Website Design (semester) course is designed to teach students the concepts, skills and processes involved in website development and management. Students successfully completing this course may be eligible to take an Adobe Certified Associate level certification exam.

Course Note: This course satisfies either the Career Technical Education (.5 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Education I

GRADE LEVEL: 10-12

CODE: CTT401

Education I (year-long) is the foundational course under the Teaching as a Profession pathway for students interested in learning more about becoming a teacher, school counselor, trainer, media specialist, speech-language pathologist or any education and training related professional. Upon completion of this course, proficient students will gain knowledge in the history of education, careers in education, and the influence of human development on learning. Artifacts will be created for inclusion in a portfolio, which will continue throughout the full sequence of courses.

Course Note: This course satisfies the Career Technical Education (.5 of 1.5 credit) graduation requirement.

COURSE TITLE: Education II

GRADE LEVEL: 10-12

CODE: CTT501

Education II (year-long) is an applied-knowledge course that covers classroom management, concepts of higher order thinking, differentiating instruction, and strategies of effective classroom planning. Students in this course will demonstrate their skills while building a course portfolio of work, which will carry with them throughout the Teaching as a Profession Pathway. Learners will study, apply, and practice the use of current technologies, effective teaching and learning strategies, the creation of an effective learning environment, the creation of instructional opportunities for diverse learners and students with special needs, and plan instruction based on knowledge of subject matter, students, community, and curriculum performance standards. Students will be prepared to practice their skills and knowledge in a variety of educational settings. Mastery of standards will be through project-based learning, technical skills' practice, and leadership development. International Society for Technology in Education (ISTE) Teacher Standards are integrated within the course.

Course Note: This course satisfies either the Career Technical Education (1 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Video Comm I
GRADE LEVEL: 9-12
CODE: CTV301

The Video Communications I (year-long) course is designed to introduce students to the concepts and equipment related to video production. Topics include filming, composition, non-linear insert editing, lighting, storyboarding, audio, and computer graphics/effects

Course Note: This course satisfies either the Career Technical Education (1 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Video Comm II
GRADE LEVEL: 10-12
CODE: CTV401
SUGGESTED PREPARATION: Video Communications I

The Video Communication II (year-long) course expands on the student's application of skills developed in the first course. Topics include video production techniques, studio production, on-site editing, video switching, lighting, scriptwriting, computer graphics, interview techniques, and computer based digital video processing.

Course Note: This course satisfies either the Career Technical Education (1 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Video Comm III
GRADE LEVEL: 11-12
CODE: CTV501
SUGGESTED PREPARATION: Video Communications I & II

The Video Communication III (year-long) course is designed to build on the Video Communications I and II courses and refine their resume of skills and products in order to gain entry into post-secondary or career entry-level programs in the fields of video/television/film production.

Course Note: This course satisfies either the Career Technical Education (1 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: AP Computer Science Principles+
CODE: CTP612
GRADE LEVEL: 9-12
SUGGESTED PREPARATION: Algebra I

The AP Computer Science Principles course (year-long) introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Weighted - must take AP Exam.

Course Note: This course satisfies either the Career Technical Education (1 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

COURSE TITLE: Principles of Engineering
CODE: PTE301
GRADE LEVEL: 9-12

The Principles of Engineering course (year-long) is designed to provide students with an exposure to the various engineering and related career choices. The content includes studying the process of engineering and engineering systems.

Course Note: This course satisfies either the Career Technical Education (1 of 1.5 credit) graduation requirement or Career Technical Education - Computer Tech (.5) graduation requirement.

COURSE TITLE: Engineering Design & Development

CODE: PTE603

GRADE LEVEL: 12

The Engineering Design and Development (year-long) course forms the capstone project for the Pre-Engineering curriculum. As students work on their capstone project they will develop technical writing skills and use a variety of CAD, CAM, GIS, fabrication, manufacturing, and robotics technologies.

Course Note: This course satisfies either the Career Technical Education (1 of 1.5 credit) graduation requirement or Career Technical Education - Computer Technology (.5 of .5) graduation requirement.

ESOL (English for Speakers of Other Languages)

The DoDEA community encompasses a diverse population; therefore, a program has been designed to increase English language proficiency for students who have a second language influence. DoDEA's English for Speakers of Other Languages (ESOL) Program supports over **7,000** students in elementary, middle, and high, schools.

The mission of ESOL services is to create a learning environment that encourages assimilation into the second language and culture while maintaining respect for and pride in their cultural and linguistic heritage.

The vision of the ESOL program is to deliver comprehensive instruction so that English Language Learners (ELLs) can attain the goals and outcomes as set forth in the DoDEA Community Strategic Plan. Programs for ELL reflect DoDEA's core values in the belief that students are at the heart of all we do; each student can realize his or her fullest potential; educating the whole child fosters academic, social and emotional well-being; learning environments are student-centered, stimulating and relevant; high-performing educators and leaders make a difference in student success; engaging partnerships enrich the lives of our students; and our diversity inspires excellence and innovation.

Recommend:

- 1. A parent or guardian whose native language is not English.**
- 2. A Home Language Questionnaire that indicates language other than English is spoken in the home**
- 3. A qualifying score on the PSAT or a comparable National Standardized test.**
- 4. A qualifying score on a language proficiency test.**

COURSE LENGTH: 1 credit – Full year

*2 years of ESOL may be substituted for 2 years of English Language Arts

English Language Arts

In an ever-changing global and technological world, literacy skills are needed now more than ever. DoDEA is at the forefront of teaching the necessary skills to prepare students for college, careers, and the world.

DoDEA is committed to advancing literacy skills for all learners. The English Language Arts (ELA) curriculum provides students rich, rigorous programs that address literacy skills in reading, writing, speaking, and listening, as well as 21st-century skills in research, technology, and media. This standards-based curriculum allows students to explore the world around them through integrated reading and writing programs.

DoDEA continues to provide students and teachers with up-to-date materials and the most current, research-based teaching practices in literacy instruction. To meet the needs of all students, teachers differentiate instruction and have access to additional resources and support as necessary. Students are encouraged to read a wide range of text and to write for a variety of audiences. DoDEA's integrated ELA program prepares students to participate fully in a global community.

Advanced Placement English is designed for those highly motivated students who are functioning at an advanced level of achievement and who are interested in pursuing a college-level class to earn college credit or to earn a DoDEA Honor's Diploma by taking the Advanced Placement exam in the spring. **Students enrolled in an AP English class must take the AP exam to receive the weighted GPA.**

COURSE TITLE: Language Arts 9
GRADE LEVEL: 9
CODE: LAE301

The Language Arts 9 course is designed to align with College and Career Ready Learning Standards. Students will read a variety of classic, contemporary and multicultural texts and apply analytic and critical thinking skills to their reading. Students will develop skills necessary to read appropriately complex grade level text proficiently and to effectively determine, analyze, integrate what the text says. Students will engage in integrated reading, writing, grammar, and speaking and listening tasks that develop abilities to successfully communicate through formal and informal writing and presentations. Writing instruction will extend students' abilities to write narrative, informational, and argumentative pieces.

Course Note: This course satisfies the English Language Arts-9 (1 credit) graduation requirements.

COURSE TITLE: World Literature 9 Honors **The grade will not be weighted**
GRADE LEVEL: 9
CODE: LAE371

The Honors World Literature 9 (year-long) course is aligned to College and Career Ready Standards and designed for the student who is capable of comprehending texts of significant depth and breadth of content. This course not only provides an in-depth study of complex texts including fiction, nonfiction, drama, and poetry, but also requires superior performance on consistently challenging writing tasks. Writing will include reports, essays, and critical and creative responses to text. Students will engage in extensive research, creative projects and group presentations. Students will also be required to do extensive reading and writing outside of class as well as in the classroom.

Course Note: This course satisfies the English Language Arts-9 (1 credit) graduation requirements.

COURSE TITLE: Language Arts 10
GRADE LEVEL: 10
CODE: LAE401

The Language Arts 10 (year-long) course is designed to align with College and Career Ready Learning Standards. This course is a balanced, comprehensive and integrated course that develops skill in reading, writing, speaking and listening. Students will apply the knowledge and skills acquired in the ninth grade, but in a more refined and sophisticated form. Students will read broadly and engage in critical analysis and discussion of a variety of literary and informational texts. As writers, students will deepen their narrative, informational, argumentation and research skills to produce well-organized and supported writing projects for specific and targeted audiences.

Course Note: This course satisfies the English Language Arts-10 (1 credit) graduation requirements.

COURSE TITLE: World Literature 10 Honors **The grade will not be weighted**
GRADE LEVEL: 10
CODE: LAE471

The Honors Literature 10 (year-long) course is aligned to College and Career Ready Standards and designed for the student who is capable of comprehending texts of significant depth and breadth of content. This course not only provides an in-depth study of complex texts including fiction, nonfiction, drama, and poetry, but also requires superior performance on consistently challenging writing tasks. Writing will include reports, essays, and critical and creative responses to text. Students will engage in extensive research, creative projects and group presentations. Students will also be required to do extensive reading and writing outside of class as well as in the classroom.

Course Note: This course satisfies the English Language Arts-10 (1 credit) graduation requirements.

COURSE TITLE: Language Arts 11
GRADE LEVEL: 11
CODE: LAE501

The Language Arts 11 (year-long) course is designed to align with College and Career Ready Learning Standards. Through the integrated study of American Literature, composition, and oral communication, students further develop their use of language as a tool for learning, thinking and communicating effectively. Students move from predominately analyzing and using the elements of written language to making judgments based on those analyses. The composition component provides students with opportunities to produce a variety of texts, with the fluent application and integration of grammar, usage, spelling, and language mechanics.

Course Note: This course satisfies the English Language Arts-11 (1 credit) graduation requirements.

COURSE TITLE: Language Arts 12
GRADE LEVEL: 12
CODE: LAE601

The Language Arts 12 (year-long) course is aligned to College and Career Ready Standards and designed as the final preparation for college and career readiness. Students continue to read a variety of practical and traditional literature critically, including analyzing how multiple themes/ideas develop and interact in a text, as well as exploring the author's craft and impact of author's choices on the development of a text. As writers, students will continue to extend their development of narrative, informational and argumentative writing forms. Students will continue to develop investigative and research skills in preparation for post-secondary education or employment. Students will respond thoughtfully to diverse perspectives, make informed decisions, and critically interpret media.

Course Note: This course satisfies the English Language Arts-12 (1 credit) graduation requirements.

COURSE TITLE: AP English Language and Composition+
GRADE LEVEL: 11-12
CODE: LAC614

The AP English Language and Composition (year-long) course is designed to align with introductory college-level rhetoric and writing curricula. The course engages students to develop evidence-based analytic and argumentative essays while developing a personal style through appropriate grammatical choices. Students will evaluate, synthesize, and cite research to support arguments. Students will read and analyze rhetorical elements and their effects on non-fiction texts from many disciplines and historical periods.

Course Note: This course satisfies the English Language Arts-11 or -12 graduation (1 credit) requirement. **Weighted - Must take the AP Exam.**

COURSE TITLE: AP English Literature and Composition+
GRADE LEVEL: 11 - 12
CODE: LAL613

The AP English Literature and Composition course is designed to align with an introductory college-level literary analysis curriculum. The course engages students in close reading and critical analysis of literature to understand the choices writers make to impact reading for meaning and pleasure. While students engage in reading they will consider the structure of the work, the style, and themes, as well as the use of symbolism, imagery, figurative language and tone. Students will interpret and analyze literary works in expository, analytical, and argumentative essays.

Course Note: This course satisfies the English Language Arts-11 or -12 (1 credit) graduation requirement. **Weighted - Must take the AP Exam.**

FINE ARTS

COURSE TITLE: Beginning Art: Fundamentals of Art
GRADE LEVEL: 9-12
CODE: ARA301

Fundamentals of Art (year-long) course is the basic entry prerequisite course for all studio and media art courses. It is the pre-requisite for studio, drawing, painting, sculpture, ceramics, commercial, and computer art, and photography. Aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Common Core Arts Standards, NCAS), the course provides foundational introduction to the elements (line, color, form, texture, value, shape, and space) and principles (balance, emphasis, unity, contrast, rhythm, pattern, movement) of art in artistic works. Students learn how to compose works of art through a series of assignments that use a variety of two- and three-dimensional art media. Course emphasis is placed on basic techniques of drawing, painting, printmaking, ceramics, and sculpture, created through a variety of mediums that can be used throughout life for communication, expression, and enjoyment.

Course Note: This is a pre-requisite course for all other art courses. This course satisfies the Fine Arts (1 credit) graduation requirement.

COURSE TITLE: Studio Art
GRADE LEVEL: 9 -12
CODE: ARS401

The Studio Art (year-long) course aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Common Core Arts Standards, NCAS), is designed either as units of study in various media, or as an individualized course for advanced students. **The Fundamentals of Art course is suggested preparation for this course.** Students who would like to develop skill in several media would benefit from this course. Students can concentrate on selected media by choosing activities from a wide range of options such as drawing, painting, sculpture, ceramics, commercial art, printmaking, and mixed media. Emphasis will be placed on utilizing the elements and principles of art, techniques, and other skills appropriate to the selected medium.

Course Note: This course satisfies the Fine Arts (1 credit) graduation requirement. Repeatable Course - Subsequent Enrollment Requires More Rigor.

COURSE TITLE: Digital Photography S
GRADE LEVEL: 9-12
CODE: ARH401S

In this Digital Photography (semester) course aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Common Core Arts Standards, NCAS) students will explore digital photography and related technologies for the production of Fine Art. Projects will require exploration and experimentation. The integration of technical skills and aesthetic expression are emphasized along with a study of principles of photography, photographic themes and important artists associated with those themes.

Course Note: This course satisfies the Fine Arts (.5 of the 1 credit) graduation requirement. Repeatable course - Subsequent enrollment requires more rigor.

COURSE TITLE: Painting
GRADE LEVEL: 9-12
CODE: ARP401S

The Painting (semester) course aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Common Core Arts Standards, NCAS), is designed for students who want to develop skills in one or more painting media. **The Fundamentals of Art course is suggested preparation for this course.** The media may be oils, acrylic, watercolor or tempera. Students will receive instruction in the techniques and history of various painting styles. Emphasis will be placed on utilizing the elements and principles of art, color theory, painting techniques, and other skills appropriate to the medium.

Course Note: This course satisfies the Fine Arts (0.5 of the 1 credit) graduation requirement. Repeatable Course - Subsequent Enrollment Requires More Rigor.

COURSE TITLE: Drawing
GRADE LEVEL: 9-12
CODE: ARW401S

The Drawing (semester) course, aligned to the National Common Core Arts Standards (NCAS)/DoDEA Standards, is designed for students who want to explore drawing as a means of self-expression. **The Fundamentals of Art course is suggested preparation for this course.** The course activities develop students' skills in drawing techniques and styles using a variety of drawing tools and materials. The understanding and application of the elements and principles of design are necessary for completion of each assignment.

Course Note: This course satisfies the Fine Arts (0.5 of the 1 credit) graduation requirement. Repeatable Course - Subsequent Enrollment Requires More Rigor.

COURSE TITLE: AP Drawing +
GRADE LEVEL: 9-12
CODE: ARA613

The AP Drawing class is an intensive one-year course of college-level study that addresses student understanding and application of broad concepts of drawing media. **The Fundamentals of Art course is suggested preparation for this course. Completion of at least one studio course is necessary prior to enrollment in this AP studio course.** Students demonstrate aspects of drawing that include the elements and principals of design while exploring formal and conceptual issues of works of art through creative and systematic investigations. Students who enroll in the AP Drawing course will be expected to produce a minimum of forty pieces of finished artwork in a variety of two-dimensional drawing media, techniques, and subject matter. A portion of this work should be directed toward a student selected theme so that the student may develop an understanding of how masterworks and other artwork contribute to individual and personal ideas. Students are expected to submit a portfolio of their works of art for College Board Advanced Placement Review at the end of the course.

Course Note: This course satisfies the Fine Arts (1.0 of the 1 credit) graduation requirement.

COURSE TITLE: AP Studio Art 2-D +
GRADE LEVEL: 9-12
CODE: ARA614

The AP 2-D Art and Design+ course is an intensive one-year course of college-level study that addresses student understanding and application of broad concepts of drawing media. **The Fundamentals of Art course is suggested preparation for this course. Completion of at least one studio course is necessary prior to enrollment in this AP studio course.** Students demonstrate aspects of drawing that include the elements and principles of design while exploring formal and conceptual issues of works of art through creative and systematic investigations. Students will be expected to produce a minimum of forty pieces of finished artwork in a variety of two-dimensional media, techniques, and subject matter. A portion of this work should be directed toward a student selected theme. It is important for the student to understand how masterworks and other artwork contribute to individual and personal ideas. Students are expected to submit a portfolio of their works of art for the College Board Advanced Placement Review.

Course Note: This course satisfies the Fine Arts (1.0 of the 1 credit) graduation requirement.

COURSE TITLE: AP Studio Art 3-D +
GRADE LEVEL: 9-12
CODE: ARA615

The AP 3-D Art and Design course is an intensive one-year course of college-level study that addresses student understanding and application of broad concepts of artistic 3D design applications such as metalworking, sculpture, model, and ceramics. **The Fundamentals of Art course is suggested preparation for this course. Completion of at least one studio course is necessary prior to enrollment in this AP studio course.** The focus is on the design of the artwork itself as opposed to its composition. Three aspects of art are emphasized: Quality - 5 pieces of art shown in 10 slides; Concentration - 12 slides are submitted related to a single idea; Breadth - 8 different works shown in 16 slides to demonstrate student's ability to incorporate a variety of 3D design principles. Students are expected to submit a portfolio of their works of art for College Board Advanced Placement Review at the end of the course.

Course Note: This course satisfies the Fine Arts (1.0 of the 1 credit) graduation requirement.

COURSE TITLE: World Music
GRADE LEVEL: 9-12
CODE: course is pending approval

This course will explore the music of various cultures around the world, both traditional and popular. It will include the music of Africa, Latin America, Asia, and various American musics.

Course Note: This course satisfies the Fine Arts (0.5 of the 1 credit) graduation requirement. Repeatable Course - Subsequent Enrollment Requires More Rigor.

COURSE TITLE: Computer Music
GRADE LEVEL: 9-12
CODE: MUC301S

The Computer Music (semester) course is designed to teach students how to creating music in a digital environment using industry-standard audio software, digital audio interfaces (DAW), and other technologies. In this course, students will compose and generate music by sequencing, recording, editing, processing, sampling, looping, mixing, and rhythmic construction.

Course Note: This course satisfies the Fine Arts (0.5 of the 1 credit) graduation requirement.

COURSE TITLE: Music Appreciation
GRADE LEVEL: 9-12
CODE: MUG301S

Music Appreciation (semester) High School course is aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS). Students develop the ability to recognize, understand, and describe basic materials and processes of music. They are provided an overview of music theory, music history and an understanding of basic concepts of a wide variety of music.

Course Note: This course satisfies the Fine Arts (0.5 of the 1 credit) graduation requirement.

COURSE TITLE: Beginning Chorus
GRADE LEVEL: 9-12
CODE: MUV301

Beginning Chorus is aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS). The Beginning Chorus (year-long) course is designed to provide students, but not limited to, the following advanced vocal musical learning experiences: continuing development of sight-reading ability; analyzing, rehearsing, and performing unison, two-, three-, and four-part music; singing with small and large ensembles in addition to solo opportunities; singing a cappella; experiencing a wide variety of choral literature including secular and no secular music; singing with individual and ensemble instrumental accompaniment; and participating in choral performances.

Course Note: This course satisfies the Fine Arts (1 credit) graduation requirement.

COURSE TITLE: Intermediate Chorus
GRADE LEVEL: 9-12
CODE: MUV304
COURSE LENGTH: 36 weeks
PREPARATION: Beginning Chorus or Equivalent

Intermediate Chorus (year-long) is aligned DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS). Enrollment in this course is by permission of the teacher and may require an audition. Subsequent enrollment requires more rigor.

Course Note: This course satisfies the Fine Arts (1 credit) graduation requirement. **Repeatable Course** - Subsequent Enrollment Requires More Rigor.

COURSE TITLE: Advanced Chorus
GRADE LEVEL: 9-12
CODE: MUV302
COURSE LENGTH: 36 weeks
PREPARATION: Beginning Chorus or Equivalent

Advanced Chorus (year-long) is aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS) and enrollment requires permission of Chorus Teacher, audition may be required. It requires more rigor than Intermediate Chorus.

Course Note: This course satisfies the Fine Arts (1 credit) graduation requirement. **Repeatable Course** - Subsequent Enrollment Requires More Rigor.

BAND NOTE: Limited supplies of school instruments are available for checkout. Students must provide all expendable supplies (reeds, oils, etc). Percussionists (drums, etc.) must provide approved snare sticks, cymbal mallets, timpani mallets, bell mallets and a stick bag. Other costs for these classes are marching band shirt, gloves, shoes, etc.

COURSE TITLE: Beginning Band
GRADE LEVEL: 9-12
CODE: MUI301

Beginning Band (year-long) course is aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS) the course is designed to introduce students to the following: basic instrumental music techniques such as tone production, articulation, breath control, pitch discrimination; melodic and rhythmic concepts and patterns; sound practice skills and habits; solo, ensemble, and full group rehearsals; a variety of instrumental repertoire; experiences in performing; basic techniques for composition; basic understanding of repertoire selection; basic improvisation skills; simple ways to respond to music.

Course Note: This course satisfies the Fine Arts (1 credit) graduation requirement.

COURSE TITLE: Intermediate Band
GRADE LEVEL: 9-12
CODE: MUI302

Intermediate Band is aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS). Intermediate Band (year-long) course is designed to acquaint students with intermediate to advanced instrumental music skills which include, but will not be limited to, the following content: intermediate to advanced level sight-reading skills; discrimination of pitch; absolute essentials for playing in tune; intermediate to advanced rhythm concepts and patterns; techniques for achieving the essentials of unity, balance, and contrast in performing instrumental music; the study of all major and minor scales; the opportunity of performing a variety of good musical repertoire; and listening skills development.

Course Note: Enrollment in this course requires teacher permission, audition may be required. This course satisfies the Fine Arts (1 credit) graduation requirement. **Repeatable Course** - Subsequent enrollment requires more rigor.

COURSE TITLE: Advanced Band
GRADE LEVEL: 9-12
CODE: MUI303

Advanced Band is aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS). The Advanced Band (year-long) course is designed to acquaint students with advanced instrumental music skills. The content includes, but is not limited to, the following: the interpretation and analysis of musical scores; the application of musical nuances in playing from a score; independent performance of all major and minor scales; advanced rhythm patterns; performance as a soloist and in small and large group ensembles; a variety of music repertoire including style, periods, forms, electronic music; intermediate to advanced level sight-reading exercises; and introduction to computer/synthesizer musical composition. **Course Note:** Enrollment in this course requires permission of the Band Director and may require an audition. This course satisfies the Fine Arts (1 credit) graduation requirement. Repeatable Course - Subsequent Enrollment Requires More Rigor.

Course Note: This course satisfies the Fine Arts (1 credit) graduation requirement. **Repeatable Course** - Subsequent Enrollment Requires More Rigor.

PIANO NOTE: Teacher recommends that students have their own keyboard at home for practice. If purchasing a personal keyboard, the student should consult with the teacher first.

COURSE TITLE: Piano I
GRADE LEVEL: 9-12
CODE: MUS303S

Aligned to DoDEA College and Career Ready Standards Arts, CCRSA, (National Core Arts Standards, NCAS), the Piano I (semester) course is designed to introduce students to the study of the piano. The content includes, but is not limited to, staff notation and rhythm concepts, major and minor chord recognition, meters, listening skills, styles and forms, familiarity in playing a variety of repertoire, performance as soloists and in group ensembles, tuning and intonation, and guitar accompaniment techniques.

Course Note: This course satisfies the Fine Arts (0.5 of the 1.0 credit) graduation requirement.

COURSE TITLE: Piano II
GRADE LEVEL: 10 -12
CODE: MUS304S

Aligned to DODEA College and Career Standards Arts, CCRSA (National Core Arts Standards, NCAS), the Piano II (semester) course is designed to as an intermediate study of the piano. The content includes, but is not limited to, staff notation and rhythm concepts, major and minor chord recognition, meters, listening skills, styles and forms, familiarity in playing a variety of repertoire, performance as soloists and in group ensembles, tuning and intonation, and guitar accompaniment techniques.

Course Note: This course satisfies the Fine Arts (0.5 of the 1.0 credit) graduation requirement.

COURSE TITLE: Introduction to Drama-Theater
GRADE LEVEL: 9-12
CODE: DRA301S

The Drama - Theater (semester) course aligned DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS) is designed to give students the opportunity to develop drama and theater arts skills through creating, performing, responding and connecting to artistic work and ideas.

Course Note: This course satisfies the Fine Arts (0.5 of the 1 credit) graduation requirement.

COURSE TITLE: Advanced Drama
GRADE LEVEL: 10-12
CODE: DRA401S

Advanced Drama (semester) aligned to DoDEA College and Career Ready Standards Arts, CCRSA (National Core Art Standards, NCAS) is designed to give students the opportunity to develop advanced drama and theater arts skills through creating, performing, responding and connecting to artistic work and ideas. Enrollment to this course requires teacher approval and may require an audition.

Course Note: This course satisfies the Fine Arts (0.5 of the 1 credit) graduation requirement.

Course Note: Repeatable Course - subsequent enrollment requires more rigor.

Health and Physical Education

COURSE TITLE: Health Ed
GRADE LEVEL: 9-12
CODE: HLH301

The Health Education (semester) course is designed to help high school students extend their conceptualization of health knowledge and practice of health literacy skills, related to their health and the health of others. The focus is on students dealing with the world today and preparing for adult living based on skills for healthful decision making; concepts of personal hygiene and health promotion; knowledge of safe practices to prevent and injury and illness; concepts of nutrition and physical activity; mental health promotion and prevention strategies; and understanding the harmful effects and consequences of illicit substance use. Students apply health literacy skills, e.g., practicing interpersonal communications that promote health; analyzing positive and negative as well as internal and external influences on health decisions; and demonstrating safe self-care practices in managing personal health and planning actions on behalf of others. Students conceptualize health knowledge related to issues of young people and practice applying health literacy skills.

Course Note: This course satisfies the Health Education (.50 credits) graduation requirement.

COURSE TITLE: PE-Personal Fitness
GRADE LEVEL: 9-12 (Required)
CODE: PEF301

The Personal Fitness (semester) course is designed to enable students in grades nine through twelve to develop the conceptual knowledge to make personal physical fitness decisions and the movement skill competency to achieve and maintain health-related physical fitness capabilities for a lifetime. Developmentally appropriate concepts of movement, physical fitness, and personal and social development are included in this course. Students apply appropriate information and problem solving that will help them achieve and maintain an optimal level of physical fitness, consistent with personal goals. The course focuses on why fitness is important; the need to balance nutrition and physical activity; assessment of personal exercise and activity needs and interests; proper posture and training techniques for flexibility, aerobic fitness, strength and endurance; and exercise safety.

Course Note: This course satisfies the Physical Education (.5 credits Personal Activity) graduation requirement.

COURSE TITLE: PE-Lifetime Sports
GRADE LEVEL: 10 -12 (Required)
CODE: PEL301
RECOMMENDED PREPARATION: Personal Fitness PEF301

The Lifetime Sports (semester) course is designed to enable students in grades nine through twelve to develop the movement skills and conceptual knowledge for lifetime sports participation. Lifetime sports are those sports and physical activities that people of all ages and all levels of ability can participate in and enjoy whether they are organized for individual, dual or team participation. Students will set personal skill development goals in a few lifetime sports and learn the process of specialized lifetime sport skill development for continued learning, participation and enjoyment.

Course Note: This course satisfies the Physical Education (.50 credits Lifetime Sports) graduation requirement.

COURSE TITLE: PE-Activity and Nutrition
GRADE LEVEL: 10 -12 (Required)
CODE: PEN301
RECOMMENDED PREPARATION: Personal Fitness PEF301

The Physical Activity and Nutrition (semester) course provides a variety of opportunities for high school students to experience alternative, non-competitive physical activities and nutrition concepts. It is designed to enable students in grades nine through twelve to develop the movement skill and fitness readiness and conceptual knowledge necessary to implement a doable personal physical activity and nutrition plan. Students participate in non-competitive physical activity and meal planning with pre and post physical activity and nutrition assessments. Students access information, obtain and analyze data, and develop their own personal physical activity and nutrition plan.

Course Note: This course satisfies the Physical Education (.5 credits Physical Activity and Nutrition) graduation requirement.

COURSE TITLE: Conditioning
GRADE LEVEL: 10-12
CODE: PEG402S or PEG402 (elective credit only)

The Conditioning course provides a variety of opportunities for high school students to demonstrate knowledge and competency in motor skills, movement patterns and strategies needed to perform a variety of physical activities. Students will achieve a level of physical fitness for health and performance. This course allows students to demonstrate knowledge of psychological and sociological concepts, principles, and strategies as they apply to learning and performance of physical activity.

Course Note: This course satisfies the Elective (0.5 or 1 of 5 credits) graduation requirement.

NOTE: Offered as semester only or full year. But it is NOT a repeatable course. (Cannot take both semester only and full year courses)

Mathematics

COURSE TITLE: Algebra I
GRADE LEVEL: 9-12
CODE: MAA301

Algebra I is a (year-long) course that is aligned to DoDEA's content standards and the College and Career-Ready Standards for Mathematical Practice. Throughout the course, students will recognize and use properties and laws for operations with real numbers and algebraic expressions, perform basic operations and apply basic factoring techniques on polynomials, recognize linear patterns and work with a variety of representations for linear relations to solve problems, graph quadratic functions and solve problems involving quadratic relationships, and display data in a variety of forms and approximate linear models for appropriate data. Through the content, students will build mathematical habits of mind through reasoning, problem-solving, and mathematical modeling.

COURSE TITLE: Geometry
GRADE LEVEL: 9-12
CODE: MAG401

The Geometry course (year –long) is aligned to DoDEA's content standards and the College and Career-Ready Standards for Mathematical Practice. In this course, students will learn the relationship between undefined terms, axioms, and theorems, perform geometric constructions using appropriate tools, describe and classify various types of triangles, prove triangle congruency and similarity, identify and describe polygons and use their properties to solve problems, understand the relationship of lines and circles within the coordinate plane, convert between units and use rates and scale factors to solve problems, apply geometric knowledge to make conjectures and write geometric proofs, and use appropriate statistical methods to analyze data and calculate probability through independent/dependent events and compound events, including geometric probability. Through the content, students will build mathematical habits of mind through reasoning, problem-solving, and mathematical modeling.

Course Title: Financial Algebra A/B
GRADE LEVEL: 10-12
CODE: MAZ406A/MAZ406B

Financial Algebra A is the first semester (B is the second semester) of a year-long mathematics interest course designed to help students make connections between Algebra, Geometry and real world applications to Finance. In this course, students are actively engaged in their learning as they build conceptual understanding of algebraic and geometric representations of Financial Mathematics. Further, students recognize that modeling the real world could be complicated; there is not always one right answer, but a range of acceptable solutions. Students routinely explore financial problems using graphing calculators and on-line financial resources. Students become proficient in knowing where to find and how to use the appropriate resource that best supports their needs. Student's ability to estimate and look for reasonable solutions to problems is a critical skill in ascertaining the validity and reliability of computer and calculator resources. Students can take Financial Algebra A and/or B in either order, and can take only one semester of the full-year course if desired.

Course Note: This course is not considered a post Algebra II course towards admittance to most postsecondary institutions. This course meets 1.0 of the 1.0 graduation requirement of math credit of course code 400 and above (0.5 credit for each semester)

Course Title: Algebra II
GRADE LEVEL: 10-12
CODE: MAA401

Algebra II is a course required for graduation and is aligned with the College and Career Ready Standards for Mathematics in High School. Throughout the course, students will build on linear, quadratic, and exponential function work from Algebra I to include polynomial, rational, and radical functions. Students will also build upon their understanding of the real number system to investigate the complex number system. Students will also solve exponential equations and use properties of logarithms, and further formalize and internalize the mathematical modeling process. Through the content, students will build mathematical habits of mind through reasoning, problem-solving, and mathematical modeling.

Course Title: Pre-Calculus
GRADE LEVEL: 11-12
CODE: MAD501

Pre-Calculus (year-long) is aligned to DoDEA's content standards and the College and Career-Ready Standards for Mathematical Practices. This course is a rigorous option taken after Algebra 2 and prior to AP Calculus AB/BC in high school or in preparation for a collegiate calculus course. In this course, students will analyze relations, functions and their graphs (to include polynomial, rational, trigonometric, exponential, logarithmic, and piece-wise functions), and define trigonometric ratios using the unit circle and analyze trigonometric functions. These concepts build on what was learned in Algebra 2 while also setting a foundation for skills necessary to be successful in college-level Calculus I or high school AP Calculus AB or BC.

Course Note: This course meets the Math course code 400 and above (1 credit) graduation requirement.

COURSE TITLE: Discrete Math
GRADE LEVEL: 10-12
CODE: MAZ501A/MAZ501B

The Discrete Math I/II (semesters) courses are aligned to DODEA's mathematics standards. Discrete Math I/II covers the following major topics: use of counting techniques to solve problems, use of matrices to solve problems, and use of recursive techniques to solve problems, use of graph theory to solve problems, and use of game theory to analyze situations and select strategies which obtain preferred outcomes for players.

Course Note: These courses meet the Math course code 400 and above (1 credit)-0.5 credit for each semester) graduation requirement.

Course Title: AP Calculus AB+
GRADE LEVEL: 12
CODE: MAC612
SUGGESTED PREPARATION: Algebra I, Algebra II, Geometry and Pre-Calculus

AP Calculus AB (year-long) is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. The focus of the courses is neither manipulation nor memorization of an extensive taxonomy of functions, curves, theorems, or problem types. Thus, although facility with manipulation and computational competence are important outcomes, they are not the core of the course. Through the use of the unifying themes of derivatives, integrals, limits, approximation, and applications and modeling, the course becomes a cohesive whole rather than a collection of unrelated topics.

Course Note: This course meets the Math course code 400 and above (1 of 1 credit (2016-2018, 1 credit of 2 credits 2019-) graduation requirement. **Weighted - Must take the AP Exam.**

Course Title: AP Statistics+
GRADE LEVEL: 11 - 12
CODE: MAZ611
SUGGESTED PREPARATION: Algebra I, Algebra II

The AP Statistics+ is a college-level course which differs from a high school statistics course in terms of depth of coverage and time commitments for study. The content is organized to emphasize major topics which include the following: (1) data investigation, (2) designing and conducting studies, (3) anticipating patterns using probability and simulations, and (4) statistical inference. These topics are detailed in the AP Statistics course description, which is available at AP Central (<http://apcentral.collegeboard.com>).

Course Note: This course meets the Math course code 400 and above (1 credit) graduation requirement. **Weighted - Must take the AP Exam.**

Science

COURSE TITLE: Biology
GRADE LEVEL: 9-12
CODE: SCB401

Biology (year-long) is an introduction to the study of living things and their interdependence with the environment. This course will emphasize the development of student's scientific process skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Students will explore biological science as a process, cell structure and function, genetics and heredity, evolution and classification, diversity of living organisms and their ecological roles, and an introduction to animal structure and function.

Course Note: This course satisfies the Science (1 credit-Biology of 3 credits) graduation requirement.

COURSE TITLE: AP Biology +
GRADE LEVEL: 11-12
CODE: SCB612
SUGGESTED PREPARATION: Biology, Chemistry, Algebra I

AP Biology (year-long) is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. The Advanced Placement Program® enables willing and academically prepared students to pursue college-level studies with the opportunity to earn college credit, advanced placement, or both while still in high school. AP Exams are given each year in May. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work.

Course Note: This course satisfies the Science (1 credit-Biology of 3 credits) graduation requirement. **Weighted - Must take the AP Exam.**

COURSE TITLE: Chemistry
GRADE LEVEL: 9-12
CODE: SCC410

The Chemistry (year-long) course covers the basic principles of chemistry. It reviews physical and chemical properties of matter, classifications of matter, and basic atomic structure. This course delves deeper into understanding how to use the periodic table to predict reactions, how elements form compounds, and how compounds interact with each other in chemical reactions. This course also introduces students to factors that affect chemical reactions, including rates of reactions, thermodynamics and equilibrium of reactions, and chemical kinetics. Chemical quantities like molar mass and the mole are introduced, along with stoichiometry and the arithmetic of chemistry.

Course Note: This course satisfies the Science (1 credit-Chemistry of 3 credits) graduation requirement.

COURSE TITLE: AP Chemistry + **NOTE THIS COURSE MAY OR MAY NOT BE OFFERED, DEPENDENT UPON STAFF**
GRADE LEVEL: 11-12
CODE: SCC612
SUGGESTED PREPARATION: Algebra I, Geometry, Algebra II, and Chemistry

AP Chemistry+ (year-long) provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. The Advanced Placement Program® enables willing and academically prepared students to pursue college-level studies with the opportunity to earn college credit, advanced placement, or both while still in high school. AP Exams are given each year in May. This course requires that 25 percent of the instructional time provides students with opportunities to engage in laboratory investigations. This includes a minimum of 16 hands-on labs, at least six of which are inquiry based.

Collegeboard recommended prerequisites: completion of Chemistry and Algebra II

Course Note: This course satisfies the Science (1 credit Chemistry of 3 credits) graduation requirement. **Weighted - Must take AP Exam**

COURSE TITLE: Environmental Science
GRADE LEVEL: 9-12
CODE: SCZ401

Environmental Science (year-long) is a course which integrates the study of ecology and natural resources. Energy, recycling, pollution, population dynamics and cultural perspectives will be studied.

Course Note: This course satisfies the Science (1 credit-Elective of 3 credits) graduation requirement.

COURSE TITLE: Human Anatomy and Phys
GRADE LEVEL: 10-12
CODE: SCX401

Human Anatomy & Physiology (year-long) is a course that introduces students to the study of the human body structures and functions. Topics of study include: Body orientation, chemistry of the body, tissues, integumentary system, skeletal system, muscular system, nervous system, and senses. Spring topics include: Cardiovascular system, immune system, lymphatic system, reproductive system, endocrine system, digestive system, respiratory system, and human genetics. Coursework also includes dissections to explore major organs and organism.

Course Note: This course satisfies the Science (1 credit-Elective of 3 credits) graduation requirement.

COURSE TITLE: Physics
GRADE LEVEL: 10-12
CODE: SCP410
SUGGESTED PREPARATION: Algebra, Geometry

The Physics (year-long) course will introduce students to Physics principles, concepts, and terminology. This course is a standards-based study of fundamental physics concepts, such as measurement, calculation, and graphing in kinematics and dynamics, propagation and conservation of energy and momentum, gravitation and orbital mechanics, heat and thermodynamics, waves, optics, electromagnetic phenomena, and relativity and quantum physics.

Course Note: This course satisfies the Science (1 credit-Physics of 3 credits) graduation requirement.

COURSE TITLE: AP Environmental Sci+

GRADE LEVEL: 11-12

CODE: SCZ611

SUGGESTION PREPARATION: Biology, Chemistry, Algebra I

AP Environmental Science (year-long) is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The Advanced Placement Program® enables willing and academically prepared students to pursue college-level studies with the opportunity to earn college credit, advanced placement, or both while still in high school. AP Exams are given each year in May. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Although there are no specific AP Environmental Science labs or field investigations required for the course, it is expected that students perform as many labs/field investigations as possible.

Course Note: This course satisfies the Science (1 credit-Elective of 3 credits) graduation requirement. **Unweighted - Did not take AP Exam**

Social Studies

Course Title: Global Studies-Ancient to 1750 CE

GRADE LEVEL: 9

CODE: SSW305

The Global History & Geography I (year-long) course chronicles the human experience from prehistory through 1500 A.D. It is a study of both ancient and modern world history, including the foundation of civilizations, belief systems and commerce. Students will examine key concepts that shaped our development as humans through this time period and how they have influenced our very own existence. They will also examine how art has not only been shaped by developing societies but also how the arts have shaped human cultures. Using a variety of primary and secondary sources, students identify patterns of change over time for significant historical periods in both the Eastern and Western hemisphere, analyze the creation and impact of world religions, and investigate the people, ideas, and places that shaped the ancient world.

Course Note: This course satisfies the Social Studies Elective (.5 credit) or World History (1.0 credit) graduation requirement.

Course Title: Global Studies 10-1750 CE-Present

GRADE LEVEL: 10

CODE: SSW401

The Global History & Geography II (year-long) course tracks the history of the world from the Middle Ages to the present. Students focus in depth on the developments and events that have shaped civilizations across time. Students will also assess how history relates to our lives today and how the present is shaped by our past. Students focus in depth on the developments and events that have shaped civilizations across time. Students will also understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global society.

Course Note: This course satisfies the Social Studies Elective (.5 credit) or World History (1.0 credit) graduation requirement.

Course Title: US History 11
GRADE LEVEL: 11, 12
CODE: SSU501

The United States History (yearlong) course is designed for students to study, in depth, the intersection of our history, our government, and our relationships with other governments and countries. Students will study our history and government from our organization as colonies to our position in the modern global world. Using primary and secondary sources students will specifically study United States history and government through investigations of Colonial Foundations (1607-1763); Constitutional Foundations (1763-1824); Expansion, Nationalism, and Sectionalism (1800-1865); Post-Civil War Era (1865-1900); Industrialization and Urbanization (1870-1920); The Rise of American Power (1080-1920); Poverty and Depression (1920-1939); World War II (1935-1945); Cold War (1945-1990); Social and Economic Changes/Domestic Issues (1945-present); and The United States in a Globalizing World (1990-present). Course Note: This course satisfies the U.S. History (1 credit) graduation requirement.

Course Note: This course satisfies the U.S. History (1 credit) graduation requirement.

Course Title: United States Government 12
GRADE LEVEL: 12
CODE: SSG601

The American Democracy & Civics (semester) course is a comprehensive evaluation of the establishment and functions of the United States government. Students will also evaluate how public policy is made from several important perspectives including economic, foreign and environmental. The course uses the perspective of political institutions to explore government history, organization and functions. Students encounter the political culture of our country from the Declaration of Independence to the present day, gaining insight into the challenges faced by presidents, members of Congress and other political participants. The course also covers the roles of political parties, interest groups, the media and the Supreme Court. Students learn to use primary historical documents as evidence to evaluate past events and government functions.

Course Note: This course satisfies the US Government (.5 credit) graduation requirement.

COURSE TITLE: Economics
GRADE LEVEL: 9-12
CODE: SSN401

The Economics (semester) course provides an aggregate investigation of macro and micro economic principles and personal financial literacy. The course applies economic principles through authentic, real-world experiences using analytical and activity based lessons. Students acquire knowledge of scarcity and allocation of natural, human, and capital resources that require individuals, businesses, and governments to make decisions with economic impact. Students understand how government policies and competition affect the price of goods and services exchanged in the U.S. and global marketplace. Areas of focus include defining market structures, comparing economic systems, analyzing policies aimed at stabilizing economies. Particular emphasis is given to national income, unemployment, inflation, economic growth, and the business cycle, as well as, knowledge and skills to develop sound financial habits.

Course Note: This course fulfills the Social Studies Elective (.5) requirement.

Course Title: Psychology
GRADE LEVEL: 11, 12
CODE: SSP501

The Psychology (semester) course broadly investigates the behavioral and mental processes of human beings. The course emphasizes multiple theories and current research for students to critically evaluate the practices and subfields within psychology. Students learn to define, apply and use key terms as well as principles of psychology in their own lives. Topics include ethics, study methodologies, human development, abnormal behavior, feelings and emotions, personality, intelligence, altered states of awareness, sleep and dreams, biological basis for behavior, learning and memory, development and individual differences, and psychological disorders.
Course Note: This course fulfills the Social Studies Elective (.5) requirement.

Course Title: Sociology
GRADE LEVEL: 9-12
CODE: SSS401

The Sociology (semester) course explores human relationships in society. It will emphasize culture, social structure, the individual in society, institutions and social inequality. Students will examine the various skills and techniques that sociologists employ when studying groups of people as well as examine a wide variety of groups and the behaviors that characterize them. Topics of study may include the socio-psychological process, attitude formation and change, interpersonal relations and social group processes. In this increasingly connected world, students will also examine problems in our society and learn how human relationships can influence their own lives as relative to social processes.

Course Note: This course fulfills the Social Studies Elective (.5) requirement.

COURSE TITLE: Street Law
GRADE LEVEL: 9-12
CODE: SSZ303

The Street Law (semester) course is an introduction to law and legal systems of the United States. The major focal points of this course include constitutional law, general legal principals, civil and criminal law, the courts, court procedures and civil rights. Additional topics may include family law, housing law and consumer law. Students engage in real-world experiences to deepen their personal understanding of government, individual rights, the legal system and legal disputes. These learning experiences are characterized by the use of case studies, mock trials, contemporary issues, current events and legal research and applied to student's everyday lives.

Course Note: This course fulfills the Social Studies Elective (.5) requirement.

COURSE TITLE: AP US Government & Politics+ **SPRING SEMESTER ONLY**
GRADE LEVEL: 12
CODE: SSG612S

AP United States Government and Politics (semester) introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence-based arguments. This course satisfies the US Government (.5 credit) graduation requirement. Weighted - Must take the AP Exam. College Board does not require a pre-requisite.

Course Note: This course satisfies the US Government (.5 credit) graduation requirement. **Weighted - Must take the AP Exam.**

COURSE TITLE: AP Human Geography+
GRADE LEVEL: 9-12
CODE: SSG611

The AP Human Geography (yearlong) course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). College Board does not require a pre-requisite.

Course Note: This course satisfies the Social Studies Elective (.5 credit) graduation requirement. **Weighted - Must take the AP Exam.**

COURSE TITLE: AP World History+
GRADE LEVEL: 9-12
CODE: SSW612

AP World History (yearlong) is designed to be the equivalent of a two semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 B.C.E. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures.

Course Note: This course satisfies the World History (1 credit) graduation requirement. **Weighted - Must take the AP Exam.**

COURSE TITLE: AP US History+
GRADE LEVEL: 9-12
CODE: SSU611

AP U.S. History (yearlong) is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society. College Board does not require a pre-requisite.

Course Note: This course satisfies the U.S. History (1 credit) graduation requirement. **Weighted - Must take the AP Exam.**

World Language

COURSE TITLE: Spanish I and French I and German I
CODE: FLS301 and FLF301 and FLG301
GRADE LEVEL: 9-12

The World Language I (year-long) course is designed to teach students the three modes of communication: interpersonal, interpretative, and presentations which require development of the four basic language skills: speaking, listening, reading and writing. Emphasis is placed on communication, the development of proficiency, and the integration of culture. The World Language Program is aligned to the National Standards in Foreign Language Education published by the American Council on the Teaching of Foreign Languages (ACTFL).

Course Note: This course satisfies the Foreign Language (1 of 2 credits) graduation requirement.

COURSE TITLE: Spanish II and German II
CODE: FLS401 and FLG401
GRADE LEVEL: 9-12
PREPARATION: Successful completion of Level I language or equivalent

The World Language II (year-long) course is designed to teach students the three modes of communication: interpersonal, interpretative, and presentations which require development of the four basic language skills: speaking, listening, reading and writing. Building on level I, emphasis is placed on communication, the development of proficiency, and the integration of culture. The World Language Program is aligned to the National Standards in Foreign Language Education published by the American Council on the Teaching of Foreign Languages (ACTFL).

Course Note: This course satisfies the Foreign Language (1 of 2 credits) graduation requirement.

COURSE TITLE: Spanish III and German III
CODE: FLS501 and FLG501
GRADE LEVEL: 9-12
PREPARATION: Successful completion of Level II language or equivalent

The World Language III (year-long) course is designed to teach students the three modes of communication: interpersonal, interpretative, and presentations which require development of the four basic language skills: speaking, listening, reading and writing. Building on level II, emphasis is placed on communication, the development of proficiency, and the integration of culture. The World Language Program is aligned to the National Standards in Foreign Language Education published by the American Council on the Teaching of Foreign Languages (ACTFL).

Course Note: This course satisfies the Foreign Language (1 of 2 credits) graduation requirement.

COURSE TITLE: Spanish IV
CODE: FLS601
GRADE LEVEL: 10-12
PREPARATION: Successful completion of Level III language or equivalent

The World Language IV (year-long) course is designed to teach students the three modes of communication: interpersonal, interpretative, and presentations which require development of the four basic language skills: speaking, listening, reading and writing. Building on level III, emphasis is placed on communication, the development of proficiency, and the integration of culture. The World Language Program is aligned to the National Standards in Foreign Language Education published by the American Council on the Teaching of Foreign Languages (ACTFL).

Course Note: This course satisfies the Foreign Language (1 of 2 credits) graduation requirement.

COURSE TITLE: AP Spanish Language+
CODE: FLS615
GRADE LEVEL: 9-12
SUGGESTED PREPARATION: Recommended prior study includes Spanish I, II, III and IV or equivalent experience.

The AP Spanish Language and Culture (year-long) course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The World Language Program is aligned to the National Standards in Foreign Language Education published by the American Council on the Teaching of Foreign Languages (ACTFL).

Course Note: This course satisfies the Foreign Language (1 of 2 credits) graduation requirement. **Weighted - Must take the AP Exam**

Academic Support & Extended Courses/Electives

Course Title: Algebra I Lab

GRADE LEVEL: 9-12

CODE: MAA305 (elective credit only)

Recommend: Teacher approval supported by standardized Math test scores below the 50th percentile

Major Concepts/Content: This class (yearlong) will support and reinforce the basic algebraic concepts taught in the Algebra I course. Students will have additional opportunities to learn how to write and translate expressions into mathematical forms, solve first and second degree equations, and use the concept of a function to model real-world phenomena. They will also expand their problem solving experiences to further develop their reasoning, representation, connections, and communication skills. Learning will be experienced through concrete and modeling activities, whenever possible, with less emphasis on computational or symbolic manipulation. Instructional activities will include the use of graphing calculators, computer software, and manipulatives.

Course Title: Geometry Lab

GRADE LEVEL: 10

CODE: MAG405 (elective credit only)

Recommend: Teacher approval supported by standardized Math test scores below the 50th percentile

Major Concepts/Content: Geometry Lab is an elective course that supports and reinforces geometric concepts taught in Geometry. Students will have additional opportunities to learn how to discover and use properties of geometric figures, use the coordinate plane to relate geometry to algebraic concepts, use geometric modeling, and construct geometric proofs in different formats. They will also expand their problem solving experiences to further develop their reasoning, representation, connections, and communication skills. Learning will be experienced through concrete and modeling activities, whenever possible, with less emphasis on computational or symbolic manipulation. Instructional activities will include the use of graphing calculators, computer software, manipulatives, and geometric construction tools.

COURSE TITLE: Math Lab III

GRADE LEVEL: 11- 12

CODE: MAA405 (elective credit only)

Recommend: Teacher approval supported by standardized Math test scores below the 50th percentile

Math Lab III supports and reinforces upper level mathematics courses such as Algebra 2, Discrete Mathematics, or Advanced Functions. Students will have additional opportunities to build on their problem solving experiences to further develop their reasoning skills, and develop methods of justifications. A variety of applications and some general problem-solving techniques will be used. Learning will be experienced through concrete and modeling activities, whenever possible, with less emphasis on computational or symbolic manipulation. Instructional activities will include the use of graphing calculators, computer software, and other appropriate manipulatives to promote student reasoning and discovery of mathematic concepts.

COURSE TITLE: Reading Lab

GRADE LEVEL: 9, 10, 11, and 12

CODE: RED305, RED405, RED505, RED605 (elective credit only)

The Reading lab course (year-long) course is aligned with College and Career Ready Learning Standards and designed for students in need of the strategic intervention necessary to experience accelerated improvement towards college and career readiness. Students will receive instruction designed to build fluency, vocabulary, and decoding skills. Students will transfer these skills to reading in the content areas (informational text) and literature. Assignments will require students to answer literal and inferential questions to increase comprehension. Writing will include tasks and assignments designed to improve students' ability to write coherent multi-paragraph answers.

COURSE TITLE: Learning Strategies
GRADE LEVEL: 9, 10, 11, and 12
CODE: AAC331 (elective credit only)

The purpose of this course is to provide instruction that enables students to acquire and use strategies and skills to enhance their independence as learners in educational and community settings.

The course content will include, but not be limited to, the following: strategies for acquiring and storing knowledge; strategies for oral and written expression; strategies for problem-solving ; strategies for linking new information with prior knowledge; strategies for active participation in reading, viewing, and listening; self-regulated use of comprehension strategies; financial literacy; test-taking skills; time management and organization skills; social skills; and self-advocacy and planning skills.

Course Title: Yearbook Production
GRADE LEVEL: 9-12
CODE: AAY301 (elective credit only)

Major Concepts/Content: The yearbook production course (yearlong) is a practical course designed to produce the official yearbook for the school. All phases of yearbook production, including photography, copy writing, page layout, and book and advertisement sales are included. The concept of accurate photojournalism is balanced with the need to present the events, activities, and personalities of the school year in a positive manner. This is a repeatable course. Subsequent enrollment requires more rigor.

COURSE TITLE: College Entrance Prep
GRADE LEVEL: 12
CODE: PPS401 (elective credit only)

Major Concepts/Content: The College Entrance Preparation (semester) course is an academic elective designed to provide students with the skills necessary to perform successfully on postsecondary admission assessments, such as the SAT/ACT. Students will also learn how to apply for colleges and get information on financial aid and scholarship opportunities.

Course Note: This course satisfies an Elective (.5 of 5 credits) graduation requirement.

CREDIT RECOVERY PROGRAM

Students may also make up classes through the Jefferson County Public schools *JCPSeSchool* program **at the expense of the student**. Any senior taking a correspondence class in order to graduate should complete the course by May 1st in order to guarantee a final grade by graduation night. Students interested in this program should see their counselor. For more information, visit <http://jcpschool.org>

DoDEA Virtual High School Program

Policy: The Virtual High School does not replace or compete with face-to-face instruction. If a course is offered at a local DoDEA school, a student will be required to attend that course unless there is a schedule conflict. For more information, visit your high school guidance counselor.

Part of the DVHS mission is to provide exemplary educational programs that inspire and prepare students for success in a global environment. DVHS offers a variety of online courses to meet the academic and career-oriented goals of DoDEA eligible students. Course offerings, including Advanced Placement courses, are designed to address all DoDEA graduation requirements.

The online courses offered by DVHS have the same level of rigor, adhere to the same standards as the traditional DoDEA curriculum, and align to the same College and Career Readiness Standards (CCRS). The DVHS online courses provide the additional benefit of preparing students for success in the 21st century environment.

STUDENT REQUIREMENTS FOR ONLINE COURSE ENROLLMENT:

- Student must be a self-starter -- able to accomplish tasks without direction.
- Student must be a good time manager -- the workload of an online course is greater than that of a typical high school course.
- Student should have access to a computer beyond the school day.
- Student must be an inquisitive learner and a good reader.
- Student must receive approval from the distance learning facilitator and a guidance counselor before enrolling for an online course.
- Student will be scheduled during one class period for work on the online course. This time will be monitored by the distance learning facilitator.
- Student should expect to devote time daily to the online course beyond the one period scheduled during the school day.

Course offerings are updated frequently. For a list of courses offered through the virtual school, visit <http://www.dodea.edu/virtualhs/DV/HS/dvhs/index.cfm>