

CREEKSIDE HIGH SCHOOL



Course Code Catalog

2015-2016

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CREEKSIDE HIGH SCHOOL

January 6, 2015

Creekside High School
100 Knights Lane
St. Johns, FL 32259

Dear Parent and Students:

The course catalog is a vital tool for students and parents. This catalog contains all course offerings at Creekside High School for the 2015-2016 school year. It contains a diverse collection of courses in academics, career and technical areas, and electives. It is our goal to provide a rigorous learning path that prepares each student for the future.

It is important that parents are involved in the course selection process by becoming familiar with the academic requirements of Creekside High School. The scheduling process is completed by reviewing student requests, standardized assessments, previous grades, and teacher recommendations. We will make every effort to schedule the courses selected by a student, however several factors may impact a student's final schedule. It is important that students choose alternate course selections so that schedules can be completed when conflicts occur.

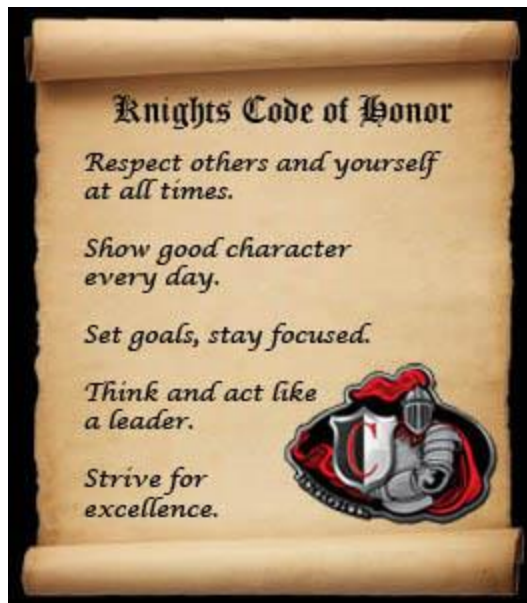
Counselors and staff will work together with the students throughout the course selection process. If you have questions about scheduling, please contact the guidance office at 904-547-7312.

Sincerely,

J. Randy Johnson
Creekside Principal

ADMINISTRATIVE PERSONNEL

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SCHEDULING PROCEDURES

Schools will try to schedule all the courses selected by a student; however, the following may affect a student's final schedule:

- If a course is not requested by a sufficient number of students, that course will not be offered. In this case every attempt will be made to select a course from the "alternate selections" list from the student's course request form.
- If two selected courses are only offered at the same time, the student can only be scheduled into one of them. Every attempt will be made to use one of the student's alternate selections to replace the unscheduled course.
- If a student chooses a course that has a prerequisite and the student's final grade in the prerequisite course is not adequate, the student's schedule will be adjusted accordingly.

For these reasons, it is crucial that the student completes the "alternate selections" section of the course request form. Please note that if this section is not completed, the student will be scheduled for available electives.

Students should discuss and plan their schedule with their parents. Parents should ensure their student's planned schedule reflects the scheduling procedures and courses needed for graduation.

SCHEDULE CHANGE PROCEDURES

Please be aware of the Schedule Change Procedure when course selections and their alternates are made. Schedule change requests must take place **DURING Orientation**. **All requests will be reviewed during the 1st five days of school**. All students who register for a full credit course are expected to remain in the course for both semesters as scheduling is done on a full year basis. **ALL schedule change requests will be denied unless they meet the following criteria:**

- A student is mis-scheduled because of inadequate or erroneous information
- Administrative action becomes necessary because of imbalance of class loads, loss of a teaching unit, unique or unforeseen constraints
- An additional course is needed to meet graduation requirements
- A schedule adjustment is required because a student already has received credit in a scheduled class
- Students are enrolled in a course taught by a teacher whose class they had previously failed

St. Johns County School District employs teachers certified by the Florida Department of Education. The school administration will decide the instructor for each course section. Students and parents are expected to abide by the choice of instructor. Course content is consistent in all sections with the same course number and description.

GRADE FORGIVENESS

State law requires a cumulative 2.0 GPA to graduate. Forgiveness policies for **required** courses will be limited to replacing a grade of "D" or "F", or the equivalent, with a grade of "C" or higher, or its equivalent, earned subsequently in the **same** or **comparable** course. Forgiveness policies for **elective** courses will be limited to replacing a grade of "D" or "F", or the equivalent, with a grade of "C" or higher, or its equivalent, earned subsequently in the **same**, a **comparable** or **another** course. These restrictions on forgiveness do not apply to students below grade 9 taking high school courses. Such students may repeat a course for forgiveness with grades above a "D".

Any course credit not replaced according to the district's forgiveness policy will be included in the calculation of the cumulative GPA required for graduation. All courses and grades must be included on the student's transcript.

If an "F" is received in a course required for graduation, the student is strongly encouraged to repeat the course as soon as possible. Please note that failure to earn a full credit in a year-long course required for graduation may keep a student from going on to a higher course in that subject area.

A student is cautioned NOT to repeat courses for which credit has already been received. No credit will be awarded the second time. Courses in which one earns a C or higher may NOT be retaken to improve a grade.

The district's Student Progression Plan contains updated information on grade forgiveness. The document can be accessed at <http://www.stjohns.k12.fl.us/depts/cl/publications>.

COURSE WEIGHTING

*An additional weight of .5 is added to Honors courses for grade point average (GPA) calculation.

**An additional weight of 1.0 is added to Advanced Placement and Dual Enrollment courses for GPA calculation.

Throughout the catalog, weighted courses have the credit value in bold. The Honors courses are indicated with an (*) and the AP and DE courses are indicated with (**).

HONORS CRITERIA

Students who meet AT LEAST ONE of the criteria listed below can take an Honors or AP level course.

- **Norm Referenced Test - Stanine of 7, 8, or 9 on an appropriate assessment.** Math for mathematics and science honors class placement, or Reading for English, social studies and foreign language honors class placement
- **Grades - A grade of "C" or better in the previous honors course.** Students earning an "A" in a previous standard class, may be recommended for Honors or AP.
- **FCAT - Level 4 or 5 in appropriate area and not less than a level 3 in any area**
- **PSAT - A score of 48 or higher on an appropriate assessment.**
- **PLAN - A score of 170 (English), 210 (Math), or higher on the appropriate assessment.**

FCAT Reading scores will be used for placement in English and Social Studies courses and FCAT Math scores will be used for Math and Science courses.

Choose your classes carefully!!!!

According to the SJCS Student Progression Plan, if a student is enrolled in an Honors or AP course, the student may not drop the course until the end of the first semester and ONLY if ALL of the following conditions exist:

- **Student has a grade of D or F**
- **Completion of a parent conference during each grading period**
- **Demonstration of the student seeking consistent academic assistance**
- **Space available in a comparable class**

DUAL ENROLLMENT CRITERIA

- *Demonstrate readiness for college or career level course work
- *Be seeking a vocational certificate, a college credit vocational/technical certificate, an associate in science college degree, or an associate in arts college degree
- *Have a minimum 3.0 unweighted cumulative GPA
- *Be classified as a high school junior or senior and have demonstrated academic, social and emotional maturity to ensure success in college level study
- *Have a counselor and principal's approval
- *Be limited to 10 hours of college credit enrollment per college semester
- *Maintain a "C" or better in each class to remain in the dual enrollment program
- *Be aware that receiving a "W", "D" or an "F" for any course results in ineligibility to remain in the dual enrollment program

Provide acceptable results from the American College Test (ACT), the Scholastic Aptitude Test (SAT), the Common Placement Test (CPT) or another standardized placement test for college level English and math:

	<u>English</u>	<u>Reading</u>	<u>Math</u>
ACT	17	18	21
SAT	440		450
CPT	83		85

Graduation Requirements

Graduation Requirements	Standard Diploma	Scholar Designation	Merit Designation
English Credits	<ul style="list-style-type: none"> • 4 credits of English • Reading 10th, MP FCAT • Must take 10th grade FCAT Writing 	<ul style="list-style-type: none"> • MP11th Grade ELA Assessment (when administered) 	<ul style="list-style-type: none"> • Same as standard
Math Credits	<ul style="list-style-type: none"> • 4 credits of Math • 11th & 12th MP Algebra 1 EOC for credit • 9th & 10th grade Algebra 1 30% EOC • All students MP Algebra 1 EOC • Geometry, EOC 30% 	<ul style="list-style-type: none"> • Algebra 2, MP CC assessment (when administered) • Statistics (or equally rigorous course) 	<ul style="list-style-type: none"> • Same as standard
Science Credits	<ul style="list-style-type: none"> • 3 credits of Science • Biology 1, EOC 30% • 2 or 3 credits must include lab component • 1 credit may be substituted with allowable industry certification that leads to college credit 	<ul style="list-style-type: none"> • Biology 1, MP EOC • Chemistry or Physics, 1 credit equally rigorous course 	<ul style="list-style-type: none"> • Same as standard
Social Studies Credits	<ul style="list-style-type: none"> • 3 credits of Social Studies • US History, EOC 30% World History • Government and Economics 	<ul style="list-style-type: none"> • US History, MP EOC 	<ul style="list-style-type: none"> • Same as standard
Fine/Performing Arts	<ul style="list-style-type: none"> • 1 credit 	<ul style="list-style-type: none"> • Same as standard 	<ul style="list-style-type: none"> • Same as standard
Foreign Language	<ul style="list-style-type: none"> • None 	<ul style="list-style-type: none"> • 2 credits of same foreign language 	<ul style="list-style-type: none"> • Same as standard
Physical Education w/ Health	<ul style="list-style-type: none"> • 1 credit 	<ul style="list-style-type: none"> • Same as standard 	<ul style="list-style-type: none"> • Same as standard
Electives/Other	<ul style="list-style-type: none"> • 8 credits of electives 	<ul style="list-style-type: none"> • 8 credits of electives - Must earn on AP, IB, AICE, or dual enrollment course credit 	<ul style="list-style-type: none"> • 8 credits of electives - students must use electives to attain one or more industry certifications
Online Course Requirement	<ul style="list-style-type: none"> • 1 course - Excludes Drivers Education 	<ul style="list-style-type: none"> • Same as standard 	<ul style="list-style-type: none"> • Same as standard
Total Credits	<ul style="list-style-type: none"> • 24 credits 	<ul style="list-style-type: none"> • 24 credits 	<ul style="list-style-type: none"> • 24 credits
	<ul style="list-style-type: none"> • 24 credits may be earned through equivalent, applied, or integrated or career education courses, including work related internships 		<ul style="list-style-type: none"> • 24 credits may be earned through equivalent, applied, or integrated or career education courses, including work related internships

POSTSECONDARY EDUCATION READINESS TEST (PERT)

The 2011 Legislature passed House Bill 1255 which amended section 1008.30 of the Florida Statutes to expand college placement testing by requiring the evaluation of most 11th grade students for college readiness. The purpose of the legislation is to assess readiness for college so students who are not fully prepared for success at the postsecondary level can take preparatory course(s) in their senior year.

We are required to give the Postsecondary Education Readiness Test (PERT) to juniors who scored at Level 2 or Level 3 on the reading portion of the grade 10 FCAT or Level 2, Level 3 or Level 4 on the mathematics portion of the grade 10 FCAT. Students who demonstrate readiness for college level work by achieving the minimum cut scores established by the State Board and enroll in a Florida College System institution within 2 years of achieving these scores will not be required to retest or enroll in remediation when they are admitted to any Florida College System institution.

Counselors will use the results of the PERT to advise students of any needed additional coursework to fully prepare them for college before graduation. Students who do not meet or exceed the minimum cut scores on the PERT will be **required** to complete postsecondary preparatory coursework during their senior year.

If a student has demonstrated readiness for college on another test, they do not have to take the PERT. Cut scores and accepted indicators of college readiness are listed in the table below.

Placement Assessment	Writing Cut Score	Reading Cut Score	Math Cut Score
PERT	99	104	113
Accuplacer (CPT)	83	83	72
SAT-I	440	440	440
ACT	17	18	19

Students who do not meet the cut off for Reading and/or Writing will be placed into English 4: College Prep (1001405) and students who do not meet the cut off score for math will be placed into Math For College Readiness (1200700). Both classes satisfy high school graduation and college admissions requirements. Class descriptions can be found in this catalog.

ADVANCED SCHOLARS PROGRAM

Creekside’s Advanced Scholars Program is a program for students who are highly motivated academically. Entering the ASP program guarantees placement in the AP class. Not only do ASP students have a greater opportunity to earn more college credit, they will receive special recognition from the College Board. ASP students will be given recognition with an Academic Letter at the end of their freshman year and pins at the conclusion of each school year thereafter.

Admission to the Advanced Scholars Program is by application only during the 8th grade year. Please visit the Creekside High School Website for more information.

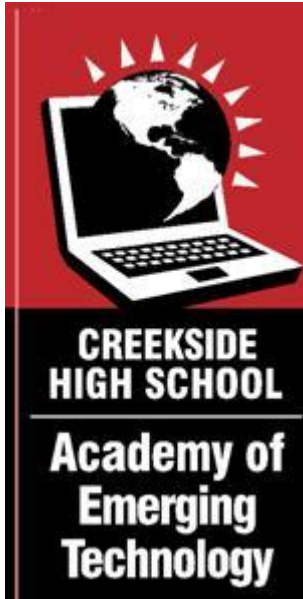
CREEKSIDE ASP ACADEMIC PATH

Grade	9 th	10 th	11 th	12 th
English Requirement	English I Honors (Pre AP)	English II Honors (Pre AP)	AP English Language and Composition or Dual Enrollment	AP English Literature or DE Composition I & II
Math Requirement	Algebra 1 Honors or higher	Geometry Honors or higher	Algebra 2 Honors or higher	AP Calculus AB or AP Calculus BC or DE Math or AP Stats
Science Requirement	Biology Honors	Chemistry Honors, or Anatomy and Physiology Honors	AP Chemistry or Physics Honors or AP Biology or Anatomy and Physiology Honors or AP Environmental Science	AP Chemistry or Physics Honors and/or AP Physics or AP Biology or Anatomy and Physiology Honors or AP Environmental Science
Social Studies Requirement	AP Human Geography	AP World History	AP United States History	AP US Government & Politics AP Comparative Government and AP Macro-Economics and AP Micro-Economics
World Language Requirement	Spanish I ASL I	Spanish II ASL II	Spanish III ASL III	4 th year is recommended

*Students are required to follow the progression based on the year they entered the ASP program

*Failure to follow progression will result in removal from the program

CREEKSIDE CAREER ACADEMIES



Students participate in a program that focuses on two strands: Digital Media Technology or Network/Cybersecurity. Digital Media Technology is designed to offer a broad foundation of knowledge and skills to prepare students for employment in digital media, new media, and multimedia positions using Adobe products. Students may obtain industry certifications in Photoshop, Illustrator, In Design, Premiere Pro, and Dreamweaver. The Networking/Cybersecurity STEM program offers a curriculum in the growing and critical field of Cybersecurity. Students will receive instruction and hands-on experience in computer and network security, security vulnerabilities, attack mechanisms and techniques, cryptographic systems as well as other security technology. Students will be given the opportunity to obtain the Microsoft Security Certification and the CompTIA Security + Certification.



Students participate in a STEM program that focuses on two strands: Civil Engineering and Environmental Engineering. The purpose of the Civil Engineering program is to prepare students as surveying technicians, mapping technicians, civil engineers, surveyors and urban planners. The content includes, but is not limited to, basic mathematical, scientific, or technical aspects of civil engineering or urban planning; and beginning surveying, including mapping natural terrain; and drafting. Students have an opportunity to earn industry certification in multiple Autodesk programs. The Environmental Technology and Land Resources program focuses on the knowledge of federal, state, and local regulations; ecosystem awareness; water quality issues; air quality issues; managing hazardous materials; managing forests, wetlands, fisheries, and wildlife; planning and administering land use; protecting resources; conducting site assessments; sampling procedures; safety procedures; compliance monitoring and quality assurance procedures; and instruction in GIS/GPS technology and green building initiatives.

ACADEMY COURSES

Environmental Sciences

Introduction to Environmental Technology

Course No.: 8913010LR

Prerequisite: None

Credit: 1.0

The purpose of this course is to prepare students for employment or advanced training in the environmental industry. Upon completion, the students will be prepared to enter advanced training and education in specialized fields of environmental science or environmental business.

Environmental Technology 2

Course No.: 8913020LR

Prerequisite: Introduction to Environmental Technology

Credit: 1.0

The purpose of this course is to prepare students for employment or advanced training in the environmental industry. Upon completion, the students will be prepared to enter advanced training and education in specialized fields of environmental science or environmental business.

Land Resources 3 (Honors)

Course No.: 8913030LR

Prerequisite: Environmental Technology 2

Credit: 1.0*

The purpose of this course is to prepare students for employment or advanced training in the environmental industry. Upon completion, the students will be prepared to enter advanced training and education in specialized fields of environmental science or environmental business.

Land Resources 4 (Honors)

Course No.: 8913040LR

Prerequisite: Land Resources 3

Credit: 1.0*

The purpose of this course is to prepare students for employment or advanced training in the environmental industry. Upon completion, the students will be prepared to enter advanced training and education in specialized fields of environmental science or environmental business.

Engineering

Civil Engineering 1

Course No.: 8915010

Prerequisite: None

Credit: 1.0

This course provides basic mathematical, scientific, or technical aspects of civil engineering. Work Place safety and communication skills are included.

Civil Engineering 2

Course No.: 8915020

Prerequisite: Civil Engineering 1

Credit: 1.0

This course provides instruction in beginning photography, drainage and geological concepts. Students will be introduced to the use of the computer in civil engineering. Practical application of concepts will be demonstrated through model building.

Civil Engineering 3 (Honors)

Course No.: 8915030

Prerequisite: Civil Engineering 2

Credit: 1.0*

This course provides laboratory experiences and begins preparing students for the practicum. Instruction in beginning surveying, drafting, and business related skills are included.

Applied Engineering 1 (Honors)

Course No.: 8401110

Prerequisite: Civil Engineering 1

Credit: 1.0*

This course helps students understand the field of engineering/engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of the associated mathematics, science, and technology knowledge and skills. The course also includes essential concepts of technology and design, as

Cybersecurity Introduction to Informational Technology

Course No.: 8209020NS

Prerequisite: None

Credit: 1.0

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies and web page design.

Civil Engineering 4 (Honors)

Course No.: 8915040

Prerequisite: Civil Engineering 3

Credit: 1.0*

This course provides practical experience in the civil engineering industry. Students will demonstrate employability skills. It is a practicum that covers all aspects of Civil Engineering Aide employment well as concerns about the social and political implications of technological change.

Computer and Network Security Fundamentals (Honors)

Course Number: 9001320

Prerequisite: Introduction to Informational Technology

Course Credit: 1.0*

This course introduces students to cybersecurity and provides them with essential computer and networking knowledge and skills, particularly those related to cybersecurity.

Cybersecurity Essentials (Honors)

Course Number: 9001330

Prerequisite: Computer and Network Security Fundamentals

Course Credit: 1.0*

This course provides students with insight into the many variations of vulnerabilities, attack mechanisms, intrusion detection systems, and some methods to mitigate cybersecurity risks, including certificate services and cryptographic systems.

Operational Cybersecurity (Honors)

Course Number: 9001340

Prerequisite: Cybersecurity Essentials

Course Credit: 1.0*

This course provides students with insight into the many ways in which computer systems can be secured, countermeasures implemented, and risk assessment performed.

Networking 3, Infrastructure (Honors)

Course No.: 8207040NS

Prerequisite: Networking 2

Credit: 1.0*

This program offers a broad foundation of knowledge and skills to prepare students for employment in network support services positions. This program focuses on broad, transferable skills and stresses understanding and demonstration of various elements of network support services.

Digital Media

Digital Video and Sound Fundamentals

Course No.: 8207420MT

Prerequisite: New Media and Digital Imaging Fundamentals.

Credit: 1.0

This program offers a broad foundation of knowledge and skills to prepare students for employment in digital media, new media, and multimedia productions.

Web Design 1

Course No.: 8207110MT

Prerequisite: Digital Video and Sound Fundamentals.

Credit: 1.0

This program offers a broad foundation of knowledge and skills to prepare students for employment in digital media, new media, and multimedia productions

Digital Media/Multimedia Foundations 1

Course Number: 8201210

Course Credit: 1.0

This course provides competencies in presentation production issues, basic computer knowledge, illustration software, digital still photography, and photo editing software, such as Adobe Photoshop and Adobe Illustrator.

Digital Media/Multimedia Foundations 2

Course Number: 8201220

Pre-requisite: Digital Media/Multimedia Foundations 1

Course Credit: 1.0

This course is an extension of Digital Media/Multimedia Foundations 1, but also includes competencies in advanced design, color modes, and fonts using Adobe InDesign. Students will build a print portfolio that includes business cards, posters, billboards, magazines, brochures, etc.

Digital Media/Multimedia Foundations 3

Course Number: 8201230

Pre-requisite: Digital

Media/Multimedia Foundations 2

Course Credit: 1.0

This course covers competencies using design layout software with Adobe InDesign. Students will also learn to use Adobe Premiere Pro and Adobe After Effects, video editing software programs.

Digital Media/Multimedia Foundations 4

Course Number: 8201240

Pre-requisite: Digital

Media/Multimedia Foundations 3

Course Credit: 1.0

This course covers competencies in web page design, HTML and CSS, and software authoring for webpage design, such as Adobe Dreamweaver. Students will create an electronic portfolio incorporating projects from all four years of the Academy program.

ART ELECTIVES

AP Art History

Course No.: 0100300

Prerequisite: Meet Honors Criteria

Credit: 1.0**

This course offers the serious student the opportunity to explore the history of art from ancient times to the present. This course presents high school students to the same curriculum and rigors that college students experience in Survey of Art classes. The course includes: the elements of art, art history terminology, and technical processes used by artists through human history. Students will gain knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. Works of art must be understood in the context and culture that produced them. Focus is on Western European art and art beyond the European tradition. **Students are expected to take a final AP exam.**

AP Art: Drawing Portfolio

Course No.: 0104300

Prerequisite: Teacher Recommendation

Credit: 1.0**

AP Studio Art Drawing is offered to serious students who are interested in the in-depth investigation and practical experience of art, who wish to develop mastery in concept, composition and execution of their ideas. This high level, rigorous course is based on independent work with the goal of producing a portfolio of work to be submitted to the College Board for AP credit. The course requires investigation of Quality, Concentration, and Breadth of work. Emphasis on drawing and mark-making through a variety of media. Students must have teacher recommendation and successful completion of first 2 levels of previous coursework. (with Mrs. Bak) **Students are expected to take a final AP exam.**

AP Studio Art: 2-D Design or Drawing Portfolio

Course No.: 109350

Prerequisite: Meet Honors Criteria

Credit: 1.0**

Advanced Placement 2D art is a course intended to address a very broad interpretation of two-dimensional (2-D) design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. It is for the advanced student who wishes to seek AP credit through submitting a Portfolio of work for consideration by the College Board. Students will work in either 2D art (Draw/Paint with Mrs. Bak) or Photography (with Mrs. Provisero). Students must have teacher recommendation and successful completion of first 2 levels of previous coursework. **Students are expected to take a final AP exam.**

AP Studio Art: 3-D Design Portfolio

Course No.: 0109360

Prerequisite: Portfolio I and Teacher Recommendation

Credit: 1.0**

The AP Studio Art 3D course is offered to students who are interested in the in-depth investigation of the experience and mastery of 3D art. This high level, rigorous course is based on independent work with the goal of producing a portfolio of work to be submitted to the College Board for AP credit. The course requires investigation of Quality, Concentration, and Breadth of work. Students are expected to work independently to demonstrate the elements of art and principles of design within 3D design. Teacher recommendation is required along with the successful completion of first 2 levels years of previous coursework. (with Mrs. Kurtz). **Students are expected to take a final AP exam.**

2-D Studio Art I

Course No.: 0101300

Prerequisite: None

Credit: 1.0

This Fine Arts class promotes the enjoyment and appreciation of art as students experiment with the media and techniques used to create two-dimensional (2-D) artworks, including drawing, painting, printmaking, collage, and more. Focus is on the elements of art and the principles of design used to create work that is inspired by works from Art History. Students will analyze and discuss other's works. Analytical and problem-solving skills used to improve work and that of their peers, self-diagnosing and experimenting with potential solutions to art challenges based on their foundational structural, historical, and cultural knowledge. *Art supplies may need to be purchased.*

2-D Studio Art II

Course No.: 0101310

Prerequisite: 2-D Studio Art I

Credit: 1.0

This Fine Arts intermediate-level class promotes the enjoyment and appreciation of art as students strengthen their use of media and techniques to create both teacher-assigned and self-directed two-dimensional (2-D) artworks, which may include drawing, painting, printmaking, collage, and more. Students regularly reflect on aesthetics and issues related to art and reinforce knowledge of the elements of art and principles of design, manipulating them to create works of art that are progressively more innovative. Students are expected to be able to analyze and discuss their own and other's works of art. *Additional art supplies may need to be purchased.*

2-D Studio Art III

Course No.: 0101320

Prerequisite: 2-D Studio Art II

Credit: 1.0*

This Fine Arts class promotes the enjoyment and appreciation of art as students refine their use of media and techniques to create primarily self-directed, two-dimensional (2-D) artworks at high levels of proficiency and independence. Students regularly reflect on aesthetics and art issues individually and as a group, and manipulate the elements of art and principles of design to create works of art that are progressively more innovative and representative of the student's artistic growth. Students will develop a Portfolio or body of work that may be used for a future AP class.

3-D Studio Art I

Course No.: 0101330

Prerequisite: None

Credit: 1.0

In this, entry-level class, students experiment with the media and techniques used to design and construct three-dimensional (3-D) artworks, including sketching, carving, modeling, and assembling in such media as clay wire, wood, paper maché, and found objects. Students use analytical and problem-solving skills to improve their work and that of their peers, self-diagnosing and experimenting with potential solutions to art challenges based on their foundational structural, historical, and cultural knowledge.

3-D Studio Art II

Course No.: 0101340

Prerequisite: 3-D Studio Art I

Credit: 1.0

In this course students strengthen their use of media and techniques used to design and construct three-dimensional (3-D) artworks, including sketching, carving, modeling, and assembling in such media as clay, wire, wood, paper maché, and found objects. Students reflect on aesthetics and issues related to art and reinforce knowledge of the elements of art and principles of design. They use sophisticated oral and written analytical and problem-solving skills to improve their work and that of their peers.

3-D Studio Art III

Course No.: 0101350

Prerequisite: 3-D Studio Art II

Credit: 1.0*

In this course students refine their use of media and techniques to create primarily self-directed, three-dimensional (3D) artworks at high levels of proficiency and independence. Students regularly reflect on aesthetics and art issues individually and as a group, and manipulate the structural elements of art and organizational principles of design to create works of art that are progressively more innovative and representative of the student's artistic and cognitive growth.

Digital Art Imaging 1

Course No.: 0103300

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to use technology to create digital works of art that reflect knowledge of the elements of art and principles of design.

Digital Art Imaging 2

Course No.: 0103310

Prerequisite: Advanced Computer Graphics

Credit: 1.0

The purpose of this course is to broaden a student's knowledge of computer graphics systems and to produce computer-generated personal and commercial images.

Digital Art Imaging 3

Course No.: 0103330

Prerequisite: Advanced Computer Graphics

Credit: 1.0

The purpose of this course is to enable students to develop knowledge and skills in computer applications of three-dimensional modeling, rendering, and animating forms and continuing to apply the elements of art and principles of design.

Creative Photography I

Course No.: 0108310

Prerequisite: None

Credit: 1.0

This course includes the study of production techniques of digital and black and white film photography; critical discussion of art and photography processes and criteria for judging photographs and justifying opinions about the quality and craftsmanship of photographs. Students will be able to make judgments and critical analysis of photographs by major photographers as well as their own work both in written form and verbally. Students will use proper presentation skills. Classroom time is spent studying digital and black and white photography processes, techniques, alternative photographic processes along with lab time to create projects.

Creative Photography II

Course No.: 0108320

Prerequisite: Creative Photography I

Credit: 1.0

This course includes the production of digital and black and white photography with particular subject matter, lighting techniques, variations of printing, alternative processes and mixed media. Students will be able to make judgments and critical analysis of major photographers' works as well as their own work. Formal critiques will be conducted to practice verbal and written analysis. Students will use proper presentation skills, increasing the quality of their work. *Owning a 35mm camera and/or a digital camera is recommended.*

Creative Photography III

Course No.: 0108330

Prerequisite: Creative Photography II

Credit: 1.0

This course is for the dedicated Photo student who has successfully completed Photo 1 and Photo 2. This course includes investigation into alternative techniques of film and digital photography. Shooting assignments are off campus. Formal critiques will be conducted to practice verbal and written analysis of self, peer and professional photography. Students will utilize proper presentation skills, improving the quality of their work as well as complete an artist statement describing their artistic intent. *Student is recommended to have either a 35 mm camera, a 5 mega pixel (or higher) digital camera with manual settings.*

Portfolio I, II, or III

Course No.: 0109310

Prerequisite: 2D Studio Art, 3D Studio Art, Creative Photo III or Teacher Recommendation

Credit: 1.0

This Fine Arts course allows the independent and highly motivated art student to develop a portfolio of work showing a range of individual projects to include quality, breadth and concentration. Students are experimenting with a variety of media and risk taking in their art. Most Portfolio students are preparing to enroll in Advanced Placement Art (AP) the following year and are building a body of work in preparation for the AP course or for submission to a post-secondary institution to study Art. Teacher recommendation is necessary. *Additional art supplies may need to be purchased.*

EXCEPTIONAL EDUCATION

-Creekside High School offers a full complement of courses for Exceptional Student Education. Please contact the Exceptional Student Education Department for guidance on course selections.

LANGUAGE ARTS

English I

Course No.: 1001310

Prerequisite: None

Credit: 1.0

The purpose of this course is to build upon previous years' language arts experiences, emphasizing a survey of literary genres, the writing process, reading strategies, study skills and vocabulary development.

English Honors I

Course No.: 1001320

Prerequisite: Meet Honors Criteria

Credit: 1.0*

The purpose of this course is to build upon previous years' language arts experiences through accelerated, in-depth studies emphasizing a survey of literary genres, writing process, reading strategies, study skills and vocabulary development.

English II

Course No.: 1001340

Prerequisite: English I

Credit: 1.0

The purpose of this course is to build upon previous years' language arts experiences emphasizing a survey of world literature, advanced reading strategies, modes of writing including expository, persuasive, narrative and descriptive.

English Honors II

Course No.: 1001350

Prerequisite: English I and Meet Honors Criteria

Credit: 1.0*

The purpose of this course is to build upon previous years' language arts experiences through accelerated, in-depth studies emphasizing a survey of world literature, advanced reading strategies, modes of writing including expository, persuasive, narrative and descriptive.

English III

Course No.: 1001370

Prerequisite: English II

Credit: 1.0

The purpose of this course is to build upon previous years' language arts experiences and to emphasize the research process and a survey of American literature.

English Honors III

Course No.: 1001380

Prerequisite: English II and Meet Honors Criteria

Credit: 1.0*

The purpose of this course is built upon previous years' language arts experiences through accelerated, in-depth studies emphasizing the research process and a survey of American literature.

AP English Language and Composition

Course No.: 1001420

Prerequisite: Meet Honors Criteria

Credit: 1.0**

The purpose of this course is to provide students with an understanding of the semantic, structural and rhetorical resources of the English language as they relate to the principles of effective writing. The course also provides a variety of writing opportunities calling for the use of different styles and tones. **Students are expected to take a final AP exam.**

English IV: College Prep

Course No.: 1001405

Prerequisite: English III/ Placement based on the PERT results

Credit: 1.0

This course incorporates reading and writing study through writing a variety of informative text using grade-level writing craft and through the in-depth reading and analysis of informational selections in order to develop critical reading and writing skills necessary for success in college courses. This course prepares students for successful completion of Florida college English courses. The benchmarks reflect the Florida College Competencies necessary for entry-level college courses and are also related to the College and Career Readiness (CCR) anchor standards, the exit standards of Florida's K -12 Common Core Standards.

English Honors IV

Course No.: 1001410

Prerequisite: English III and Meet Honors Criteria

Credit: 1.0*

The purpose of this course is to build upon previous years' language arts experiences through accelerated, in-depth studies emphasizing a survey of British literature and post-secondary writing applications.

AP English Literature and Composition

Course No.: 1001430

Prerequisite: Meet Honors Criteria

Credit: 1.0**

The purpose of this course is to study and practice writing and to study literature. Students will learn to use the modes of discourse and recognize the assumptions underlying various rhetorical strategies. Students will also acquire an understanding of the resources of the language and of the writer's craft. They will develop critical standards for the appreciation of any literary work and increase their sensitivity to literature as shared experience. **Students are expected to take a final AP exam**

Dual Enrollment Courses

Composition I

(3 College Credits- 3 Hours)

Course No.: ENC1101

Prerequisite: Meet Honors and Dual Enrollment Criteria (See page 6)

Credit: 1.0**

ENC 1101 is a course in paragraph and essay writing, incorporating some review of basic grammar. Students will learn to write essays that are unified, coherent and grammatically correct. An exit grade of “C” or higher is required. Composition I fulfills the junior year English requirement.

Composition II

(3 College Credits- 3 Hours)

Course No.: ENC1102

Prerequisite: ENC1101 with a grade of C or higher

Credit: 1.0**

The course includes detailed training in the methods and applications of expository writing and the process of logical thinking. Emphasis is placed on descriptive, persuasive and argumentative writing. Students will write a documented research paper. An exit grade of “C” or higher is required. Composition II fulfills the senior year English requirement.

Technical and Professional Writing

(3 College Credits- 3 Hours)

Course No.: ENC2210

Prerequisite: ENC1101 with a grade of C or higher

Credit: 1.0**

A study and practice of the writing and designing of documents in technical and professional discourse communities. Students will produce documents representing a number of technical genres: correspondence, reports, a proposal, a real-world project, and a final portfolio. **This course will be taken second semester after ENC1101.**

Language Arts Electives

Intensive Reading

Course No.: 1000410

Prerequisite: Administrative Placement

Credit: Multiple

The purpose of this course is to provide remedial instruction and practice in reading skills for students reading below grade level.

Journalism 1-5 (Yearbook)

Course No.: Multiple

Prerequisite: Teacher Recommendation

Credit: 1.0

The purpose of this course is to provide instruction in basic aspects of journalism and workshop experiences in journalistic production. Students serve on the yearbook committee.

Media Library

Television Production I

Course No.: 877110

Prerequisites: None

Credit: 1.0

This course provides opportunities for students to develop skills in history of television, basic video camera operation, postproduction skills in graphics, audio and editing, scriptwriting and storyboarding, and skills in direction and production of video projects.

Television Production II

Course No.: 877120

Prerequisites: Television Production I

Credit: 1.0

The purpose of this course is to exhibit the ability to apply television skills in the planning, directing, and recording of television programs, demonstrate the ability to write script and dialogue for a television program.

Television Production III

Course No.: 877130

Prerequisites: Television Production II

Credit: 1.0*

The purpose of this course is to develop advanced skills in television production and to synthesize these skills in planning, directing, and producing television programs.

Television Production IV

Course No.: 877140

Prerequisites: Television Production III

Credit: 1.0*

The purpose of this course is to gain independence in planning, writing, producing, supervising, and performing in television production.

MATHEMATICS

Algebra I

Course No.: 1200310

Prerequisite: None

Credit: 1.0

This course, or its equivalent, is a required course for graduation. Topics include number systems, polynomial operations, solving linear equations and inequalities, coordinate graphing, solving simultaneous linear equations, factoring, exponents, square roots and simple radical equations.

Algebra I Honors

Course No.: 1200320

Prerequisite: Meet Honors Criteria

Credit: 1.0*

This course is a rigorous study designed for the student who excels in both ability and performance in mathematics. Topics include enriched and extended study of number systems, polynomial operations, solving linear equations and inequalities, coordinate graphing, solving systems of equations, factoring, exponents, square roots and simple radical equations.

Liberal Arts Math 1

Course No.: 1208290

Prerequisite: Algebra I

Credit: 1.0

This course is designed to strengthen student skills in mathematics before continuing study in the academic sequence. Students will solve a variety of problems as described by the Sunshine State Standards.

Liberal Arts Math 2

Course No.: 1208300

Prerequisite: Geometry

Credit: 1.0

Geometry

Course No.: 1206310

Prerequisite: Algebra I

Credit: 1.0

Geometry is a course designed for college bound students. The course introduces the basic concepts of Euclidean geometry and illustrates basic logic and its use in problem solving. Topics include congruence, similarity, perpendicularity, parallelism, circles and quadrilaterals, proof writing, Pythagorean Theorem and areas of polygons. This course emphasizes the relationship between algebra and geometry in preparation for Algebra II.

Geometry Honors

Course No.: 1206320

Prerequisite: Meet Honors Criteria, Algebra I or Algebra I Honors

Credit: 1.0*

This course is designed for the student who excels in both ability and performance in college preparatory mathematics. This is a rigorous study of the concepts of Euclidean geometry and illustrates basic logic and its use in problem solving. Extensive out-of-class preparation is required. This course emphasizes the relationship between algebra and geometry in preparation for Algebra II.

Algebra II

Course No.: 1200330

Prerequisite: Algebra I, Geometry

Credit: 1.0

This second course in algebra is designed for college bound students. Topics include number systems, polynomials and factoring, rational

expressions, solving rational equations, radicals, logarithmic functions and conic sections.

Algebra II Honors

Course No.: 1200340

Prerequisite: Geometry or Geometry Honors, Meet Honors Criteria

Credit: 1.0*

This course is designed for the student who excels both in ability and performance in college preparatory mathematics. Algebra II Honors is a rigorous study of polynomials and rational algebraic expressions, matrices, irrational numbers, complex numbers and polynomial functions, logarithms and quadratics.

Math for College Readiness

Course No.: 1200700

Prerequisite: Scores on the PERT test determine eligibility and placement in this course

Credit: 1.0

The purpose of this course is to strengthen the skill level of high school seniors who have completed Algebra I, II, and Geometry and who wish to pursue credit generating mathematics courses at the college level.

Pre-Calculus

Course No.: 1202340

Prerequisite: Meet Honors Criteria, Algebra II Honors

Credit: 1.0*

This course is designed for the student who excels both in ability and performance in college preparatory mathematics and strengthens the student's skill in preparation for calculus. Topics include extension of polynomial functions, exponential and logarithmic functions, sequences and series, trigonometry, mathematical induction, matrix algebra, elementary functions and limits.

Probability & Statistics with Applications

Course No.: 1210300

Prerequisite: None

Credit: Meet Honors Criteria, Algebra II Honors

Credit: 1.0*

The purpose of this course is to introduce students to the fundamentals of descriptive and inferential statistics with a pronounced emphasis on inference.

Advanced Placement (AP)

Calculus AB

Course No.: 1202310

Prerequisite: Pre-Calculus, Meet Honors Criteria

Credit: 1.0**

This course is designed for the student considering a math and/or science major at a four-year college. Topics include anti-derivatives, definite integrals and applications of the integral. Extensive out of class preparation is required.

Students are expected to take a final AP exam.

Advanced Placement (AP)

Calculus BC

Course No.: 1298310

Prerequisite: AP Calculus AB, Meet Honors Criteria

Credit: 1.0**

The purpose of this course is to provide an extensive study of the general theory and techniques of calculus. **Students are expected to take a final AP exam.**

Advanced Placement (AP) Statistics

Course No.: 1210320

Prerequisite: Algebra II Standard or Honors, Meet Honors Criteria

Credit: 1.0**

The course will include, but will not be limited to, the following: exploratory data, observing patterns and departures from patterns, planning a study, deciding what and how to measure, anticipating patterns in advance, producing models using probability and simulation, statistical inference, confirming models.

Students are expected to take a final AP exam.

Dual Enrollment Math Courses

College Algebra

(3 College Credits – 3 Hours)

Course No.: MAC 1105

Prerequisite: **Meet Dual Enrollment Criteria and Teacher Recommendation**

Credit: 1.0**

Topics include lines, parabolas, circles, functions and their graphs, polynomial functions, rational functions, exponential functions, logarithmic functions and systems of equations and inequalities.

Elementary Statistics

(3 College Credits – 3 Hours)

Course No.: STA 2023

Prerequisite: **Meet Dual Enrollment Criteria and Teacher Recommendation**

Credit: 1.0**

This course is an introduction to the fundamental concepts and methods of statistics and probability. Topics include graphs and numerical measures, probability, distributions, confidence intervals and hypothesis testing, correlation and regression and nonparametric methods.

Note: MAC1105 and STA2023 are one semester courses that carry one full high school credit. If you choose to take MAC1105, STA2023 will be taken concurrently. MAC1105 will be taken 1st semester and STA2023 will be taken 2nd semester. The same applies for MAC1147 and MAC2311

Math Elective

Intensive Math

Course No.: 1200400

Prerequisite: Placement determined by teacher recommendation, prior EOC score

Credit: 1.0

The purpose of this course is to provide remedial instruction and practice in mathematics skills.

Math for College Success

Course No.: 1200410

Prerequisite: 3 credits in math, and in 12th grade

CREEKSIDE HIGH SCHOOL

Credit: 0.5

This course is recommended for 12th graders who do not meet the “college ready” scores on the state approved assessments (CPT, ACT, SAT)

PERFORMING ARTS

Band Electives

Band I

Course No.: 1302300

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to develop basic technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance and critical listening. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Band II

Course No.: 1302310

Prerequisite: Band I

Credit: 1.0

The purpose of this course is to enable students to develop intermediate-level technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance and critical listening. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Band III

Course No.: 1302320

Prerequisite: Band II

Credit: 1.0

The purpose of this course is to enable students to develop proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance and critical listening. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Band IV

Course No.: 1302330

Prerequisite: Band III

Credit: 1.0*

The purpose of this course is to enable students to develop consistently proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, critical listening and aesthetic response. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Band V

Course No.: 1302340

Prerequisite: Meet Honors Criteria, Band IV

Credit: 1.0*

The purpose of this course is to enable students to develop consistently proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. This literature is of the utmost difficulty. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, critical listening and aesthetic response. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities

Band VI

Course No.: 1302350

Prerequisite: Meet Honors Criteria, Band V

Credit: 1.0*

The purpose of this course is to enable students to develop consistently proficient technical skills on wind or percussion instruments through the refinement and performance of high school band literature. This literature is of the utmost difficulty. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, critical listening and aesthetic response. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Jazz Ensemble I

Course No.: 1302510

Prerequisite: Band (any)

Credit: 1.0

The purpose of this course is to enable students to develop intermediate-level skills in jazz performance through knowledge of styles and performance techniques of varied jazz and contemporary literature. Students must also be enrolled in a Band class as well as Jazz. This course includes after school and weekend activities.

Jazz Ensemble II

Course No.: 1302510

Prerequisite: Band I, Directors Approval

Credit: 1.0

The purpose of this course is to enable students to develop intermediate-level skills in jazz performance through knowledge of styles and performance techniques of varied jazz and contemporary literature.

Jazz Ensemble III

Course No.: 1302520

Prerequisite: Jazz Ensemble II

Credit: 1.0

The purpose of this course is to develop the ability to apply the knowledge of styles and techniques of varied contemporary, popular and jazz literature.

Jazz Ensemble IV

Course No.: 1302530

Prerequisite: Meet Honors Criteria, Jazz Ensemble III

Credit: 1.0*

The purpose of this course is to develop independence in knowledge of styles and performance techniques of varied contemporary music and jazz literature.

Instrumental Techniques I

Course No.: 1302420

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to develop basic technical skills on percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance and critical listening. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Instrumental Techniques II

Course No.: 1302430

Prerequisite: Inst. Tech I

Credit: 1.0

The purpose of this course is to enable students to develop basic technical skills on percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance and critical listening. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Instrumental Techniques III

Course No.: 1302440

Prerequisite: Inst. Tech II

Credit: 1.0

The purpose of this course is to enable students to develop basic technical skills on percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance and critical listening. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Instrumental Techniques IV

Course No.: 1302450

Prerequisite: Meet Honor Criteria, Inst. Tech III

Credit: 1.0*

The purpose of this course is to enable students to develop basic technical skills on percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance and critical listening. Students enrolled in this course are members of the Marching Band. This course includes after school and weekend activities.

Chorus Electives

Chorus I

Course No.: 1303300

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to develop basic individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music.

Chorus II

Course No.: 1303310

Prerequisite: Chorus I

Credit: 1.0

The purpose of this course is to enable students to develop intermediate-level individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation and development of critical and aesthetic response to music.

Chorus III

Course No.: 1303320

Prerequisite: Chorus II

Credit: 1.0

The purpose of this course is to enable students to develop proficient individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation and development of critical and aesthetic response to music.

Chorus IV

Course No.: 1303330

Prerequisite: Chorus III

Credit: 1.0

The purpose of this course is to enable students to develop consistently proficient individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation and development of critical and aesthetic response to music.

Chorus V

Course No.: 1303330

Prerequisite: Meet Honors Criteria, Audition

Credit: 1.0*

The purpose of this course is to enable students to develop advanced individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation and development of critical and aesthetic response to music.

Vocal Ensemble II

Course No.: 1303450

Prerequisite: Chorus I. Directors Approval

Credit: 1.0

The purpose of this course is to enable students to develop intermediate-level performance techniques in a small ensemble setting through the study of varied high school choral literature. Emphasis will be placed on vocal independence, expressiveness and stylistic authenticity.

Vocal Ensemble III

Course No.: 1303460

Prerequisite: Vocal Ensemble II. Directors

Approval

Credit: 1.0

The purpose of this course is to develop creativity and refine performance techniques in vocal ensembles through the study of widely varied and appropriate choral literature.

Vocal Ensemble IV

Course No.: 1303460

Prerequisite: Vocal Ensemble III. Meet Honors Criteria, Directors Approval

Credit: 1.0*

The purpose of this course is to foster creative performances in ensembles through the study of appropriate and highly varied literature and to provide students with opportunities for leadership

Theatre/Drama Courses

Theatre I

Course No.: 0400310

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to develop fundamental skills in the multiple elements of theatre as a collaborative art. Movement, voice projection, body language, concentration, improvisation and expression will be combined with creative drama activities in experiential exercises. Daily class participation is required. The content includes an overview of the history of theatre. Students will perform in group projects.

Theatre II

Course No.: 0400320

Prerequisite: Drama I (Theatre I)

Credit: 1.0

The purpose of this course is to enable students to develop basic skills in the multiple elements of theatre as a collaborative art. Students will enhance basic acting skills and develop production expertise. Memorized monologue and scene work will be required. More challenging improvisation work will be developed.

Theatre III Honors

Course No.: 0400330

Prerequisite: Meets Honors Criteria, Drama II (Theatre II)

Credit: 1.0*

The purpose of this course is to enable students to develop intermediate-level skills in the multiple elements of theatre as a collaborative art. Elements of stagecraft will be incorporated.

Theatre IV

Course No.: 0400340

Prerequisite: Meets Honors Criteria, Drama III (Theatre III)

Credit: 1.0*

The purpose of this course is to enable students to develop advanced skills in the multiple elements of theatre as a collaborative art. Advanced stagecraft will be incorporated.

Theatre, Cinema, & Film Production

Course No.: 0400660

Prerequisite: None

Credit: 1.0

The purpose of this course is to provide an introduction to all of the many aspects, roles, and careers associated with the film and entertainment industries.

Theatre Tech: Design and Production

Course No.: 0400410

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to develop fundamental skills in stagecraft and apply them through practical experiences. Students will learn practical, hands-on skills in scene design and set construction. This will include designing sets for theatre production. Aspects of scenery construction, costuming, make-up, lighting, sound and set design will be taught.

PHYSICAL EDUCATION

HOPE

(Health Opportunities through Physical Education)

Course No.: 3026010

Prerequisite: None

Credit: 1.0

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness.



Team Sports 1/2

Course No.: 1503350

Prerequisite: None

Credit: 0.5

The purpose of this course is to enable students to acquire basic knowledge of team sports play, develop skills in specified team sports and improve health-related fitness. First semester will focus on Volleyball and second semester will focus on Softball.

Weight Training

(Beginning/Intermediate/Advanced)

Course No.: 1501340

Prerequisite: None

Credit: 0.5

The purpose of this course is to enable students to acquire basic knowledge and skills in weight training, improve muscular strength and endurance and begin to enhance self-image.

SCIENCE

Physical Science

Course No.: 2003310

Prerequisite: None

Credit: 1.0

The purpose of this course is to provide students with a quantitative investigative study of the introductory concepts of chemistry and physics. The content includes dynamics, classification and interaction of matter, periodic table, forms of energy, electricity and magnetism, chemical interactions, nuclear reactions, earth and space science, and career opportunities in physical science. Laboratory activities are an integral part of this course.

Biology I

Course No.: 2000310

Prerequisite: Physical Science

Credit: 1.0*

This course provides exploratory experiences and activities in the fundamental concepts of life. Laboratory safety and use of apparatus will be addressed as well as the scientific method and measurement.

Biology I Honors

Course No.: 2000320

Prerequisite: Meets Honors Criteria, Teacher Recommendation (9th graders)

Credit: 1.0*

This course is designed for students who are capable of exploring biology in greater depth than Biology I provides. Content includes the study of the scientific method and measurement, laboratory safety and use of apparatus, cellular structure and function, classification, genetics and the study of living organisms.

AP Biology

Course No.: 2000340

Prerequisite: Biology I Honors, Chemistry Honors, Meet Honors Criteria

Credit: 1.0**

The purpose of this course is to provide students with advanced concepts and activities dealing with the life sciences. The course content will include the chemical composition of organisms; cell infrastructure & function of cellular organ cells; role of enzymes in living processes; biochemical pathways involved in respiration and photosynthesis; processes of cell division; principles of genetics; structure and function in plants and animals, their reproduction and development; modern theories for the origin of life; changes in organisms through time.. **Students completing this course are expected to take the AP examination.**

Chemistry I

Course No.: 2003340

Prerequisite: Algebra I with a grade of C or better, One Science Credit, teacher recommendation

Corequisite: Algebra 2

Credit: 1.0

This rigorous course studies the composition and changes associated with matter. Math is an integral part of the course.

Chemistry I Honors

Course No.: 2003350

Prerequisite: Meet Honors Criteria

Co-requisite: Algebra II Honors

Credit: 1.0*

The purpose of this course is to provide students with a math based accelerated study of the composition, properties and changes of matter that will prepare students for participation in college-level coursework.

AP Chemistry

Course No.: 2003370

Prerequisite: Meet Honors Criteria, Chemistry I Honors

Credit: 1.0**

The purpose of this course is to provide a rigorous second year course of study in chemistry as outlined by the College Board. **Students are expected to take a final AP exam.**

Physics 1 Honors

Course No.: 2003390

Prerequisite: Meet Honors Criteria, Chemistry and Algebra 2

Credit: 1.0*

The purpose of this course is to provide students with rigorous introductory study of the theories and laws governing the interaction of matter, energy and the forces of nature. The content includes kinematics, dynamics, energy, work, thermodynamics, waves, light, electricity, magnetism and sound. Students who intend to take the AP Physics course should enroll in this course.

AP Physics 1

Course No.: TBA

Prerequisite: Meet Honors Criteria, permission of instructor

Credit: 1.0**

Students explore principles of Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world.

Students are expected to take a final AP exam.

AP Physics 2

Course No.: TBA

Prerequisite: Meet Honors Criteria, permission of instructor

Credit: 1.0**

Students explore principles of fluids, thermodynamics, electricity, magnetism, optics, and topics in modern physics. The course is based on seven Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world.

Students are expected to take a final AP exam.

AP Physics C

Course No.: 2003430

Prerequisite: Meet Honors Criteria, Physics Honors

Co-requisite: Calculus

Credit: 1.0**

This course is a study of matter and energy and their interactions, with a strong emphasis on mathematical applications. It is recommended for students who are considering science or engineering careers. **Students are expected to take a final AP exam.**

AP Environmental Science

Course No.: 2001380

Prerequisite: Meet Honors Criteria, two years of lab science

Credit: 1.0**

A rigorous, college level course, AP Environmental Science is an excellent option for any interested student who has completed two years of high school laboratory science, preferably, a year of biology and a year of chemistry. The course is intended to provide students with the principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental issues, evaluate risks associated with the problems, and to examine alternative solutions for resolving or preventing them.

Topics include: Earth systems and resources, The Living World, Population, Land and Water Use, Energy Resources and Consumption, Pollution, Global Change. Laboratory and field investigation activities are part of the course. **Students are expected to take a final AP exam.**

Anatomy and Physiology Honors

Course No.: 2000360

Prerequisite: Meet Honors Criteria , Biology, and Teacher Recommendation

Credit: 1.0*

The purpose of this course is to provide students with exploratory and advanced activities in the structures and functions of the components of the human body. The content includes anatomical terminology, cells and tissues, systems of the body, genetics and disease processes.

Marine Science I

Course No.: 2003390

Prerequisite: Two science Credits

Credit: 1.0

The purpose of this course is to provide an overview of the marine environment. The course content includes formations of the oceans, marine systems, interrelationships between man and the ocean environment, and the ocean's present and potential resource

Dual Enrollment Science Courses

General Biology and Lab

Course No.: BSC 1050

Prerequisite: **Meet Dual Enrollment Criteria and Teacher Recommendation**

Credit: 1.0**

This course provides exploratory experiences and activities in the fundamental concepts of life. Laboratory safety and use of apparatus will be addressed as well as the scientific method and measurement. This course is a non-major college level science course.

Human Biology and Lab

Course No.: BSC 1020

Prerequisite: **Meet Dual Enrollment Criteria and Teacher Recommendation**

Credit: 1.0**

This course is an introduction to the science of biology with an emphasis on cells and tissues, body organization, homeostasis, body systems, regulation and integration of body parts, reproduction, development and heredity, disease and disorder.

SOCIAL STUDIES

World Cultural Geography

Course No.: 2103300

Prerequisite: None

Credit: 1.0

Students develop multicultural understanding and use geographical concepts and skills to acquire information and systematically apply decision-making processes to real-life situations. They will acquire an understanding of interrelationships between people and the environment.



AP Human Geography

Course No.: 2103400

Prerequisite: Meet Honors Criteria, ASP Students Only

Credit: 1.0**

The purpose of this course is to enable students to develop higher levels of concepts and skills related to human geography. **Students are expected to take a final AP exam.**

World History Honors

Course No.: 2109320

Prerequisite: Meets Honors Criteria

Credit: 1.0

The purpose of this more rigorous course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

World History

Course No.: 2109310

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their future as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

AP World History

Course No.: 2109420

Prerequisite: Meet Honors Criteria

Co-requisite: World History Honors

Credit: 1.0**

Students understand the development of Europe within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. **Students are expected to take a final AP exam.**

American History

Course No.: 2100310

Prerequisite: None

Credit: 1.0

The purpose of this course is to enable students to understand the development of the United States within the context of history with a major focus on the post-Reconstruction period. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

AP United States History

Course No.: 2100330

Prerequisite: Meet Honors Criteria

Credit: 1.0**

Students study the development of the United States within the context of history by examining connections to the past to prepare for the future. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. **Students are expected to take a final AP exam.**

AP European History

Course No.: 2109380

Prerequisite: Meet Honors Criteria and Teacher Recommendation

Credit: 1.0**

Students will develop an understanding of Europe within the context of history by examining connections to the past in order to prepare for the future as participating members of a global community. Students will use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. **Students are expected to take a final AP exam.**

American Government

Course No.: 2106310

Prerequisite: None

Credit: 0.5

The purpose of this course is to enable students to gain an understanding of American government and political behavior that is essential for effective citizenship and active involvement in a democratic American society.

AP American Government and Politics

Course No.: 2106430

Prerequisite: Meet Honors Criteria and teacher recommendation

Credit: 0.5**

Students acquire a critical perspective of politics and government in the United States. They learn general concepts used to interpret American politics and analyze specific case studies. Students also become familiar with the various institutions, groups, beliefs and ideas that constitute the American political perspective. Students are expected to take a final AP exam.

Advanced Placement (AP) Comparative Government and Politics

Course No.: 2106430

Prerequisite: Meet Honors Criteria and Teacher Recommendation

Credit: 0.5**

Students gain knowledge of the world's diverse political structures and practices through the study of government and politics in Great Britain, France, the Commonwealth of Independent States, China and developing nations. Emphasis is placed on general concepts used to interpret key political relationships found in national politics. **Students are expected to take a final AP exam.**

AP Psychology

Course No.: 2107350

Prerequisite: Meet Honors Criteria

Credit: 1.0**

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. This course prepares students to understand their own behavior and the behavior of others. **Students are expected to take a final AP exam**

Economics

Course No.: 2102310

Prerequisite: None

Credit: 0.5

The purpose of this course is to provide students with the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its wants. Students will gain understanding of choices they must make as producers, consumers, investors and taxpayers.

AP Microeconomics

Course No.: 2102360

Prerequisite: Meet Honors Criteria, Teacher Recommendation

Credit: 0.5**

The purpose of this course is to have students learn about the factors that influence the economic system. **Students are expected to take a final AP exam.**

AP Macroeconomics

Course No.: 2102370

Prerequisite: Meet Honors Criteria, Algebra II, Teacher Recommendation

Credit: 0.5**

Students study the choices they must make as producers, consumers, investors and taxpayers. The study of economics provides students with the knowledge and decision-making tools necessary for understanding how a society must organize its limited resources to satisfy its unlimited wants. **Students are expected to take a final AP exam.**

United States Federal Government

Course No.: POS 1041

Prerequisite: Meet Dual Enrollment Criteria

Credit: 0.5**

Basic aspects of the Federal Government are studied. Emphasis is placed on content and interpretation of the Constitution, Federalism, the Congress, the Presidency, and the Federal Court System as related to current problems in civil rights, economics, and foreign policy.

United States State and Local Government

Course No.: POS1112

Prerequisite: Meet Dual Enrollment Criteria

Credit: 0.5**

Basic aspects of the State and Local Government are studied.

WORLD LANGUAGES

American Sign Language Courses

American Sign Language I

Course No.: 0717300

Prerequisite: None

Credit: 1.0

The purpose of this course is to teach hearing students basic conversational skills in American Sign Language (ASL) and awareness of various aspects of deafness. May be substituted for the foreign language university requirement at certain universities.

American Sign Language II

Course No.: 0717310

Prerequisite: ASL I

Credit: 1.0**

The purpose of this course is to further develop students' knowledge of American Sign Language (ASL). May be substituted for the foreign language university requirement at certain universities.

American Sign Language III

Course No.: 0717312

Prerequisite: ASL II, teacher recommendation

Credit: 1.0*

The purpose of this course is to prepare a hearing student, who has successfully completed ASL I and II, with information and advanced skill development in ASL.

American Sign Language IV

Course No.: 0717314

Prerequisite: ASL III, teacher recommendation

Credit: 1.0*

The purpose of this course is to enable students to further develop advanced skills in American Sign Language through a linguistic, communicative, and cultural approach to language acquisition. Emphasis is placed on receptive and expressive signing, applied grammar, cross-cultural understanding, and real-life application

Spanish Courses

Spanish I

Course No.: 0708340

Prerequisite: None

Credit: 1.0**

The purpose of this course is to enable students to begin to acquire proficiency in Spanish through a linguistic, communicative and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading and writing skills and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course.

Spanish II

Course No.: 0708350

Prerequisite: Spanish I

Credit: 1.0

The purpose of this course is to enable students to enhance proficiency in Spanish through a linguistic, communicative and cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading and writing skills and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course.

Spanish III

Course No.: 0708360

Prerequisite: Spanish II, teacher recommendation

Credit: 1.0*

The purpose of this course is to strengthen the student's proficiency in Spanish through a linguistic, communicative and cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading and writing skills. Emphasis is placed on oral proficiency. Experiences with Spanish literature are broadened. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course.

AP Spanish Language

Course No.: 0708400

Prerequisite: Spanish III or Spanish IV, permission of instructor

Credit: 1.0**

The purpose of this course is to develop oral and written fluency in Spanish. Students will follow a rigorous curriculum in order to pass the AP Exam at the end of the year. **Students are expected to take a final AP exam.**

AP Spanish Literature

Course No.: 0708410

Prerequisite: Teacher Recommendation

Credit: 1.0**

The purpose of this course is to develop oral and written fluency in Spanish. **Students are expected to take a final AP exam.**

