

# Blanchet Catholic School



# COURSE CATALOG

## 2018-2019

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## Mission Statement

Blanchet Catholic School provides a comprehensive education program that enables students to: be challenged by an academically rigorous curriculum, grow toward maturity in Christ, contribute to the enrichment of society, and participate in the traditions of the Catholic Church.

## Statement of Philosophy

We at Blanchet Catholic School commit ourselves to creating a Catholic preparatory academic community dedicated to providing a quality education for the whole person.

Intellectually/culturally, we:

- dedicate ourselves to the principle that all students can learn;
- offer a tailored curriculum: college preparatory with options;
- stress excellence in academic skills;
- create a “safety net” of academic counseling;
- promote regular, open communication among parents, faculty, staff and students;
- provide opportunities for students to experience and perform a broad spectrum of fine arts.

Spiritually/emotionally, we:

- build a living Catholic Christian community based on Gospel values and learn to regard one another with understanding and respect;
- develop a personal concern for each student;
- provide an environment for the serious search for an authentic Catholic Christian spirituality through Theology courses, liturgies, campus ministries and retreats;
- encourage responsibility for the wider community.

Socially/physically, we:

- provide students with leadership training and opportunities;
- offer instruction in group skills;
- stress the importance of cooperation, responsibility, lasting friendships and a strong sense of community;
- assist in the development and refinement of physical skills;
- teach respect and care for ourselves and others;
- foster cooperative behaviors in social and athletic activities.

Financially, we:

- offer a flexible tuition program;
- make scholarship opportunities available;
- provide a financial assistance program.

## Purpose

This guide sets forth the graduation requirements and course offerings of Blanchet Catholic School. Parents and students are encouraged to read and utilize this information to make informed choices about course offerings for the following school year in light of future goals, academic readiness, and graduation requirements.

Blanchet anticipates offering the elective courses listed. However, if insufficient number of students forecast for an elective course, the course will be dropped.

A separate publication, the Parent and Student Handbook, sets forth school policy in areas such as attendance, behavior, participation in co-curricular activities, and tuition payment. It lists and describes the administration and student services, and provides specific information on bell schedules, school hours and phone numbers. The Parent and Student Handbook will be available online at the beginning of the school year.

## Academic Policies

A complete description of all courses and programs offered at Blanchet Catholic School is contained in this Course Catalog.

Academic objectives in a college preparatory school depend heavily on work performed at school and at home. Homework for the Blanchet Catholic School student is not limited solely to written work; it also includes reading, studying, organizing notes into usable study form, and preparing for exams, projects, reports, presentations, etc. The purpose of homework is to reinforce material already taught and to foster habits of independent study. Daily homework is part of the Blanchet Catholic School experience. Assignments vary, but homework may be given daily. Good study skills are essential to academic success in both secondary school and college. Because such study skills and habits are developed and enhanced by regular homework, Blanchet Catholic School views homework as an important part of its educational program. The responsibility for homework is shared among faculty, students and parents, each having an important role to play in the development of good study skills and study habits.

### Academic Honesty

Honesty is the minimum expectation of all Blanchet Catholic School students in the performance of all academic work. Cheating and plagiarism (defined as copying the work of another and passing it off as your own) are forms of academic dishonesty. This includes, but is not limited to, copying the homework of classmates. Students may receive zero credit for the assignment. Parents will be contacted. **Academic dishonesty is a severe infraction and students involved will be dealt with accordingly. Consequences may include detention, suspension and possible expulsion.**

# Required Classes Mid-High Program

## Grade 6

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English  
Mathematics  
Physical Education/Health  
Religion  
Science – Physical  
Social Studies  
Music

## Grade 7

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English  
Mathematics  
Physical Education/Health  
Religion  
Science - Life  
Social Studies – World Geography

## Grade 8

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English  
Mathematics  
Physical Education/Health  
Religion  
Science - Earth  
Social Studies – United States History

## Mid-High Course Descriptions

### **English 7**

**Grade Level: 7**

English 7 presents an overview of popular and seminal texts meant to further students' understanding of literature. Focusing on the 5 elements of literature, students explore plot, conflict, theme, character, and setting. Students will also read non-fiction texts and learn about the different text structures of those pieces. In doing this, students will be better able to comprehend and analyze the increasingly complex texts they encounter in other classes. The class will learn about writing argument papers, conducting research, drawing evidence to support claims, and write explanatory pieces to convey ideas, concepts, and information.

### **English 8**

**Grade Level: 8**

This course focuses on writing, grammar, vocabulary, and literature. Literature is analyzed and evaluated through various short stories, novels and plays.

### **Mid-High Math I**

**Grade Level: 6-7**

Mid High Math I is a course designed to provide students with the opportunity to study and develop an understanding of operations on all rational numbers and solving linear equations and inequalities. Students will study and develop an understanding of and use formulas to determine surface area and volume. Students will study and develop an understanding of proportionality, including similarity.

### **Mid-High Math II**

**Grade Level: 6-8**

Mid High Math II is a course designed to provide students with the essential skills for pre-algebra. Students have the opportunity to practice and review math concepts, computational skills, and problem solving strategies involving whole numbers, fractions, and decimals. A major focus is on integers, solving equations, rational numbers, ratios and proportions, percent, and measurement geometry. Students successfully completing this course will be prepared for pre-algebra or an equivalent.

### **Pre-Algebra**

**Grade Level: 6-8**

This course is designed to provide students with the skills needed to be successful in Algebra I. Students will have the opportunity to learn about variables, expressions, rational and irrational numbers, real numbers, right triangles, solving multi-step equations and inequalities, ratios, proportions and probability, linear functions, measurement of area and volume, data analysis and angle relationships and transformations.

### **Religion 7**

**Grade Level: 7**

This course explores how our faith calls us to listen, understand and act on the message of Jesus as revealed in the writings of the New Testament. Knowledge of the Old Testament is key in understanding how the Word, became Flesh. We will learn how to compare and contrast the Gospel writers and recognize the explanations for their given audiences. Emphasis will be on the use of Catholic vocabulary and teachings and Traditions of the Catholic Church as we cycle the liturgical year.

### **Religion 8**

**Grade Level: 8**

This class is a study of the Church's teachings on Morality, developing student identity as a Christian while enriching the Church through their faith and service. Furthermore, students will take this knowledge and integrate it as they continue to form their conscience, beliefs and value systems, along with applying the Beatitude teachings to their everyday life.

**Life Science****Grade Level: 7**

This course introduces students to basic life science concepts. Students will explore the anatomy of both the plant and animal cell and their functions. They will be introduced to cell reproduction, process and metabolism, genetics and heredity and its application to their everyday world. We will discover how the organization of cells creates specific functioning systems in our body and how these systems are maintained with healthy living. We will explore how organisms adapt and change over time and function in their environment. Scientific methods and laboratory procedures will be introduced and practiced. Inquiry and project based methods will be utilized.

**Earth Science****Grade Level: 8**

A year-long course to provide students with a general overview of Earth's systems, weather and climates, Earth's history, human impacts on Earth, and space systems. Students will engage in inquiry investigations to develop skills in scientific practices.

**Geography****Grade Level: 7**

This full-year course promotes the understanding and appreciation for the people and their cultures, present and past, throughout the world. Students learn the location of countries, cities, and major water and land features. This course allows students to critically analyze their role in our ever changing world.

**United States History****Grade Level: 8**

Students critically examine the history of the United States to develop an understanding of its founding and development. Students study significant individuals and events.

**PE/Health****Grade Level: 6-8**

This class is a holistic approach to health and wellness through physical education and health-related content. Within physical education, students have an opportunity to develop physical fitness and coordination through participation of various team and individual games and their respective regulations. Opportunities for peer socialization through these sports are provided to develop leadership and sportsmanship quality. The focus of health for mid high is to educate students on the importance of healthy lifestyles which includes abstinence and the benefits of a healthy lifestyle through the development of mental, physical and social skills.

**Mid-High Electives****Mid-High Weight Training & Conditioning    Grade Level: 7-8**

This course is designed to provide students with a foundation of knowledge and skills about weight training and the many facets that support it. The emphasis of the class is not to build muscle and lift weights, but rather learn the vast benefits of weight training and conditioning through a hands-on approach. This class is intended to be an introduction to our high school weight program to give entering high school students a head start in training and athletics.

**Exploring Art****Grade Level: 7-8**

This semester course is an introduction to different mediums in art the mid-higher will experience in high school. Students will learn about elements and principles of design as they explore drawing, painting and pottery mediums.

**Computer Applications****Grade Level: 7-8**

This semester-long course implements project-based curriculum to introduce and explore keyboarding, word processing, presentations, spreadsheets, and database software, as well as Internet basics, emerging technology, and file management systems.

**Drama****Grade Level: 7-8**

This semester course is designed to teach the fundamentals of stage acting and the theatre organization. The class offers experience in every kind of communication – one on one, group to group, and actor to audience. It guides the student in developing self-confidence and creativity while providing an opportunity to manage, design, and serve in different capacities of theatre. The class will culminate in a performance for the public, as well as a performance tour to the elementary schools.

**Seminar for Success****Grade Level: 7-8**

This course will aid students in creating a routine for note taking and staying organized. Additionally, students will improve keyboarding skills as well as learn the basics for preparing for tests, researching and writing reports.

**French I****Grade Level: 8**

French I presents basic grammatical patterns and vocabulary to enable students to communicate minimally about objects, places, and common kinship terms; understand short sentence-length statements, questions, commands, and courtesy forms; interpret written language in areas of practical need; and write simple fixed expressions, limited memorized material, and some re-combinations. This course introduces students to the culture of broader Francophone world.

**Spanish I****Grade Level: 8**

This course is an introduction to the Spanish language through listening, speaking, reading, and writing. Students will learn to communicate using basic vocabulary and syntax. Hispanic culture and geography will be explored through text and multi-media sources.

**Band****Grade Level 6-8**

Concert Band is year-long-performance-based class open to all who play brass, percussion, or woodwind instruments. This course is designed to increase the skill and performance levels of each student, as well as the entire ensemble. Analytical skills, music theory, history, and technique are integrated into this class. Students are required to participate in all class activities and concerts and practice outside of class as needed to perform successfully.

**Concert Choir:****Grade Level 6-8**

Concert Choir is year-long-performance-based class open to all mid-high students. This course is designed to increase the skill and performance levels of each student, as well as the entire ensemble. Instruction will focus on development of proper vocal technique, the ability to carry one's own part independently, analytical skills, music reading skills, and preparation of music for public performance. Students are required to participate in all class activities and concerts and practice outside of class as needed to perform successfully.

**Orchestra****Grade Level 6-8**

String Orchestra is year-long-performance-based class open to all who play violin, viola, cello and double bass instruments. This course is designed to increase the skill and performance levels of each student, as well as the entire ensemble. Analytical skills, music theory, history, and technique are integrated into this class. Students are required to participate in all class activities and concerts and practice outside of class as needed to perform successfully.

## High School Graduation Requirements

Blanchet Catholic School requires 24 credits for high school graduation. Included in the list below are all of the requirements for a high school diploma for the State of Oregon and, in addition, those specifically relating to the mission of Blanchet Catholic School. All students in grades 9 through 12 are required to complete 10 hours of community service for each year they attend Blanchet Catholic High School. High school courses taken as an 8<sup>th</sup> grader at Blanchet Catholic School may, under certain circumstances, be used to meet high school graduation requirements.

Religion	4.0 credits <sup>1</sup>	Computer Science	1.0 credit <sup>6</sup>
Mathematics	3.0 credits <sup>2</sup>	Physical Education	1.0 credit
Social Studies	4.0 credits <sup>3</sup>	Health	1.0 credit
English	4.0 credits	Fine/Applied/Performing Arts	1.0 credit
Science	3.0 credits <sup>4</sup>	Electives	1.0 credits
Foreign Language	2.0 credits <sup>5</sup>		

- 1 Students are required to take religion every semester that they attend Blanchet. Students transferring to Blanchet are required to earn religion credits only during their time at Blanchet.
- 2 Students must complete three credits of math from Algebra I and beyond.
- 3 Includes World History (1.0 credit), United States History (1.0 credit), American Government (0.5 credit), Economics (0.5 credit), Global Issues (0.5 credit), and Senior Seminar (0.5 credit).
- 4 Must include at least two credits of lab science such as biology or chemistry.
- 5 Two credits of the same foreign language.
- 6 After the 2018-19 school year, students must complete one credit of computer science. The course is currently under review and should be available for the 2018-19 school year.



## Required Classes High School Program

Grade 9	Credit
English	1.0
Health I/PE	1.0
Mathematics	1.0
Physical Science*	1.0
Religion	1.0
Social Studies – World History	1.0
Foreign Language	1.0

*\*Freshmen who excel in science may take Biology in place of Physical Science*

Grade 10	Credit
Biology*	1.0
English	1.0
Mathematics	1.0
Religion	1.0
Social Studies:	
American Government	0.5
Economics	0.5
Foreign Language	1.0
Health II/PE	1.0

*\*Students who have already taken Biology should take Chemistry I, Honors Chemistry, Anatomy & Physiology*

Grade 11	Credit
Chemistry I, Honors Chemistry, Physics, Anatomy	1.0
English – American Literature/Comp	1.0
Mathematics	1.0
Religion	1.0
U.S. History*	1.0
Computer Science**	1.0

*\*Juniors may take AP United States History in place of U.S. History*  
*\*\*Graduation Requirement after the 2018-19 school year.*

Grade 12	Credit
English	1.0
Religion	1.0
Social Studies:	
Global Issues	0.5
Senior Seminar	0.5
Elective	1.0

## Advanced, Honors, and Advanced Placement Courses

**REQUIREMENTS OF STUDENTS TAKING ADVANCED, HONORS AND ADVANCED PLACEMENT CLASSES. ALL ADVANCED, HONORS AND ADVANCED PLACEMENT CLASSES REQUIRE TEACHER RECOMMENDATIONS, BASED ON THE FOLLOWING CRITERIA:**

- Advanced, Honors, and/or Advanced Placement classes study content in greater depth and at a quicker pace.
- Enrichment topics are added.
- Standards in reading, writing, calculation, and critical thinking are higher.
- More independent learning takes place.
- Advanced Placement classes culminate in a national exam given by the College Board.
- Scores on the exam may qualify students for college credit or advanced standing as determined by colleges.
- It may be valuable to sit down with your parents to discuss which courses to take and to consider how many classes to take.
- Administration, in consultation with the teacher of the class, will make final decisions on student enrollment in Honors and Advanced Placement Courses.

**What should I consider before choosing to forecast for an Advanced, Honors and/or an Advanced Placement class?**

Do I have a passion for this subject matter?

Do I want to explore the content in more depth?

Am I willing to employ more time, do more work, and strive to meet higher standards?

Do I have the time to commit to this class and still meet my obligations to family, church, friends, activities, athletics, and work?

Can I balance the stress this class may cause?

Is it okay if I do not earn an "A" in this class?

What other Honors and/or Advanced Placement classes am I planning to take?

The Following Advanced, Honors, and Advanced Placement Courses Will Carry

## College Credit Available at Blanchet

Several Blanchet Catholic School programs make it possible to earn college or community college credit while attending high school:

### **ADVANCED PLACEMENT COURSES**

Students who complete Advanced Placement (AP) courses may, at their own expense, take special AP examinations held in May. Admitting colleges and universities may credit students with college credit based on specified AP exam scores. Blanchet offers AP courses in United States History, English Composition, English Literature, and Biology.

### **COLLEGE CREDIT NOW COURSE**

Students may earn credit at Chemeketa Community College by enrolling at their own expense in College Credit Now course that is taught at Blanchet Catholic: Senior English Composition and Human Anatomy & Physiology.

## High School Course Descriptions

Note: Credit status refers to the course designation as an elective or required course for graduation. Definitions of the terms used are as follows:

- Required:** Course needed to graduate from Blanchet Catholic School.
- Selective:** One of several courses that will fulfill a graduation requirement.
- Elective:** Course that contributes to the credits necessary for a student to graduate, but is not required for graduation.

## Schedule Changes

Schedule changes may be made only during the first two weeks of each semester. Exceptions are made only with the approval of administration. The Principal, in consultation with the student, parents, and teachers involved, must approve schedule changes. Schedule changes are approved for academic reasons only.

In addition, schedules are occasionally adjusted by the school to balance class sizes. When this occurs, a student's schedule may show a change in the order of classes, but will not involve any changes in actual courses.

# Fine/Applied/Performing Arts

## **Art I – Drawing and Painting**

**Grade Level: 9-12**

**0.5 Credit**

This class places emphasis on the elements and principles of design, composition, and appreciation of drawing/painting as an art form. It also includes the emphasis of critical analysis, historical and cultural awareness. Students will explore a variety of media, styles, subject matter and techniques.

*Credit Status: Elective*

*Prerequisite: None*

## **Art II – Drawing and Painting**

**Grade Level: 9-12**

**0.5 Credit**

This semester class is a continuation for students learning about elements and principles of design and composition. Students will further develop an appreciation of drawing and painting as an art form by further exploring the many different mediums, styles and techniques.

*Credit Status: Elective*

*Prerequisite: Art I – Drawing & Painting*

## **Band**

**Grade Level: 9-12**

**1.0 Credit**

Band is a year-long performance-based class open to all who play brass, percussion or woodwind instruments at an intermediate to advance level. This course explores and performs wind band literature at the highest level. The course is designed to increase the skill and performance levels of each students, as well as the entire ensemble. Analytical skills, music theory, history and technique are integrated into this class at the highest level. Students are required to participate in all class activities and concerts and practice outside of class as needed to perform successfully.

*Credit Status: Elective*

*Prerequisite: None*

## **Choir**

**Grade Level: 9-12**

**1.0 Credit**

Chamber choir is a year-long, performance-based class, open to students in grades 9-12. This course is designed to increase the skill and performance levels of each student, as well as the entire ensemble. Instruction will focus on development of proper vocal technique, the ability to carry one's own part independently, analytical skills, music reading skills, and preparation of music for public performance. Students are required to participate in all class activities and concerts and practice outside of class as needed to perform successfully.

*Credit Status: Elective*

*Prerequisite: None*

## **Digital Media Production**

**Grade Level: 9-12**

**0.5 Credit**

In this class, students will work on various forms of digital media to develop, design and present a variety of projects.

*Credit Status: Elective*

*Prerequisite: None*

## **Digital Photo Imaging I**

**Grade Level: 9-12**

**0.5 Credit**

This semester class deals with basic camera functions. Each student will learn about and work with all the basic camera modes. Each student will learn about different settings for different situations that most people encounter. Students will explore art composition and study the history of photography through famous photographer's lives.

*Credit Status: Elective*

*Prerequisite: None*

## **Digital Photo Imaging II**

**Grade Level 9-12**

**0.5 Credit**

This semester class is designed to extend the students knowledge of Digital Photo Imaging. Students will broaden their use of photo imaging on the computer with additional techniques to enhance their personal expression and those used in the world of business.

*Credit Status: Elective*

*Prerequisite: Digital Photo Imaging I*

**Drama - HS****Grade Level: 9-12****0.5 Credit**

This semester course focuses on the elements of acting for the stage – theatre vocabulary, stage movement, acting with an objective, and building a character. Ensemble theatre activities and improvisation will be incorporated. Students will learn the production process as they create a performance for the public. The class is intended for all levels of experience. This course will require some rehearsal time outside of class.

*Credit Status: Elective**Prerequisite: None***Drama Teach****Grade Level: 9-12****0.5 Credit**

Tech Theatre is a hands-on course where student will learn to properly and safely use household and carpenters tools through various building activities and projects. Students will create designs and bring those designs to life using the skills they learn in class. Some of these projects may include: woodworking, painting, lighting design, sound design, construction, crafts, sculpting, and design. Student will work together and individually to bring their ideas to life, all while learning valuable everyday skills they will use after high school.

*Credit Status: Elective**Prerequisite: None***Advanced Drama****Grade Level: 10-12****0.5 Credit**

Advanced Drama is the final step in the Blanchet theatre sequence. Student is advanced Drama will use be fundamental skills they have learned from prior classes, shows, and outside sources to create their own full length one act performance. Though brainstorming, discussion, and group projects student will learn how to create a show from scratch. This may be but is not limited to: a full length play, one act, children's plays, traveling show, musical, variety show, or coffee house. This course is intended for those who have taken fundamental theatre class (High School Drama), have been in shows in the past, or have specific approval from the instructor to join.

*Credit Status: Elective**Prerequisite: HS Drama***Orchestra****Grade Level: 9-12****1.0 Credit**

Chamber Orchestra is a year-long performance-based class open to all who play instruments at in intermediate to advance level. This course explores and performs orchestra literature at the highest level. This course is designed to increase the skill and performance levels of each student, as well as the entire ensemble. Analytical skills, music theory, history, and technique are integrated into this class. Students are required to participate in all class activities and concerts and practice outside of class as needed to perform successfully.

*Credit Status: Elective**Prerequisite: None***Pottery I****Grade Level: 9-12****0.5 Credit**

In Pottery I the student will develop basic pottery skill. This class covers a variety of approaches to pottery including hand-built, wheel-thrown and sculptural forms. Additionally, the students may also explore a variety of glazing and firing techniques. This class places emphasis on principles of design, composition, craftsmanship, appreciation of pottery as an art form, and critical and historical cultural awareness.

*Credit Status: Elective**Prerequisite: None***Pottery II****Grade Level: 9-12****0.5 Credit**

This Pottery II class is designed to expand the student's knowledge of pottery as an art form. Students will develop their skills with advance assignments and explore variety of additional techniques.

*Credit Status: Elective**Prerequisite: Pottery I*

# Foreign Language

## **American Sign Language I**

**Grade Level: 9-11 1.0 Credit**

ASL I is an introduction to American Sign Language and the Deaf community. Students will learn basic vocabulary, grammar, sentence structure, and cultural foundations of ASL. Students will begin to learn to express themselves through signing by using: concrete ideas, fingerspelling and grammar.

*Credit Status: Elective*

*Prerequisite: None*

## **French I**

**Grade Level: 9-11**

**1.0 Credit**

French I presents basic grammatical patterns and vocabulary to enable students to communicate minimally about objects, places, and common kinship terms; understand short sentence-length statements, questions, commands, and courtesy forms; interpret written language in areas of practical need; and write simple fixed expressions, limited memorized material, and some re-combinations. This course introduces students to the culture of broader Francophone world.

*Credit Status: Elective*

*Prerequisite: None*

## **French II**

**Grade Level: 9-12**

**1.0 Credit**

French II builds on the basic grammatical patterns and vocabulary introduced in French I. Students will be able to: communicate with greater fluency in the present and past tenses and write with greater accuracy; understand simple conversations related to survival needs; and guess meaning through context. The students will also acquire a greater understanding of the differences between their culture and the Francophone cultures.

*Credit Status: Elective*

*Prerequisite: French I*

## **French III**

**Grade Level: 10-12**

**1.0 Credit**

French III builds on the grammatical patterns and vocabulary introduced in French II. Students will be able to: communicate with greater fluency in the present, past, and future tenses; write with greater accuracy; understand conversations related to survival needs; and guess meaning through context and cognate clues.

*Credit Status: Elective*

*Prerequisite: French II*

## **French IV**

**Grade Level: 11-12**

**1.0 Credit**

French IV builds on the grammatical patterns and vocabulary introduced in French III. Students will be able to: communicate with greater fluency in the present, past, and future tenses; become skilled in the use of the passé composé, the imparfait, and the subjunctive; recognize the passé simple; write with greater accuracy; and improve reading and listening skills.

*Credit Status: Elective*

*Prerequisite: French III*

## **Spanish I**

**Grade Level: 9-11**

**1.0 Credit**

This course is an introduction to the Spanish language through listening, speaking, reading, and writing. Students will learn to communicate using basic vocabulary and syntax. Hispanic culture and geography will be explored through text and multi-media sources.

*Credit Status: Elective*

*Prerequisite: None*

## **Spanish II**

**Grade Level: 9-12**

**1.0 Credit**

The second year of Spanish emphasizes an increase in listening comprehension and vocabulary acquisition as a medium for improving communicative competence. The Hispanic culture will be explored through text and multi-media sources.

*Credit Status: Elective*

*Prerequisite: Spanish I*

**Spanish III****Grade Level: 10-12****1.0 Credit**

This course is designed to develop and refine oral and written proficiency through the almost total use of Spanish in the classroom as well as frequent opportunities for writing and speaking. Emphasis is also placed on listening and reading skills. Hispanic culture is presented through the text as well as videos and films in Spanish.

*Credit Status: Elective*

*Prerequisite: Spanish II*

**Spanish IV****Grade Level: 11-12****1.0 Credit**

Extensive practice in all four language skills (writing, reading, speaking and listening). Included are cultural and literary readings and an in-depth review and expansion of basic Spanish grammar and vocabulary, as well as a broadening of the student's understanding of Hispanic culture. All classroom interaction (both by instructor and students) takes place in Spanish.

*Credit Status: Elective*

*Prerequisite: Spanish III*

# Language Arts

## English 9

**Grade Level: 9**

**1.0 Credit**

In this course, students will focus on an introduction to the writing process, culminating in a five-paragraph essay. Students will also receive instruction in grammar, vocabulary, and an introduction to literature, including an overview of its elements and the various literary genres—short story, novel, drama, and poetry. The course emphasizes reading comprehension, grammar, and analysis and evaluation of literature.

*Credit Status: Required*

*Prerequisite: None*

## Honors English 9

**Grade Level: 9**

**1.0 Credit**

This is an accelerated course where students will focus on the writing process. Students will also receive instruction in grammar, vocabulary, and an introduction to literature, including an overview of its elements and the various literary genres—short story, novel, drama, and poetry. The course emphasizes use of proper grammar and vocabulary in addition to the analysis and evaluation of literature and writing techniques.

*Credit Status: Required*

*Prerequisite: Minimum of a B+ in 8<sup>th</sup> Grade English, teacher recommendation and writing sample.*

## English 10

**Grade Level: 10**

**1.0 Credit**

Sophomore English covers the areas of literature, writing, grammar, and vocabulary. The course emphasizes the genres of literature: drama, short story, novel, poetry and non-fiction. The grammatical emphasis is on complex sentence structure, phrases, clauses, and complements. Compositional writing focuses on the grammatical structure of sentences and documentation. Vocabulary is pulled from the SAT and serves to enhance test scores and writing creatively.

*Credit Status: Required*

*Prerequisite: None*

## Honors English 10

**Grade Level: 10**

**1.0 Credit**

This is an accelerated class that requires students to think deeply and richly about both fiction and non-fiction. The course offers a blend of classic and contemporary works from authors of diverse backgrounds. Thus, students will be exposed to authors ranging from Shakespeare to Chaim Potok. The course places a heavy emphasis on a variety of writing skills. It also introduces students to concepts that will be addressed more thoroughly in the Advanced Placement English 11 class. Students should expect a rigorous and challenging experience in the course.

*Credit Status: Selective*

*Prerequisite: Minimum of a B+ grade or higher in Freshman English and a teacher recommendation.*

## English 11 American Literature

**Grade Level: 11**

**1.0 Credit**

Junior English presents an overview of American literature from Native American traditions through the 20<sup>th</sup> century. Emphasis is on influential works, writing, and research methods. A review of grammar, spelling and SAT vocabulary is included in the composition portion of the course.

*Credit Status: Required*

*Prerequisite: None*

## English 12 Literature/Composition

**Grade Level: 12**

**1.0 Credit**

The course is designed as an historical study of British literature and the origins of the English language. It provides skills needed for college such as persuasive writing and literary criticism, as well as exposure to the “classics” of British literature. Vocabulary, grammar and writing skills will be practiced, enhanced, and strengthened on a daily basis.

*College credit may be arranged through the instructor.*

*Credit Status: Required*

*Prerequisite: None*



**AP English Language and Composition****Grade Level: 11****1.0 Credits**

This course seeks to prepare students for the AP exam in the spring. Success on this exam demonstrates a proficiency in English at least on a par with students who have completed a first year college course in composition or rhetoric. Students will develop writing and language skills by focusing on classic rhetorical modes such as narration, description, argument and literary analysis of selected prose and poetry. There is a required summer reading and writing assignment.

*Credit Status: Selective*

*Pre-requisite: Minimum of a B+ or higher in sophomore or junior English and teacher recommendation.*

**AP English Literature and Composition****Grade Level: 12****1.0 Credits**

This course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

*Credit Status: Selective*

*Pre-requisite: Minimum of a B+ or higher in sophomore or junior English and teacher recommendation.*

# Mathematics

The Math Department at Blanchet Catholic has established the following guidelines for calculator use in math courses. Calculators may not be used in Mid-High Math I and II, Pre-Algebra and Algebra I. Calculators may be used in Geometry and higher level math courses. Since graphing calculators are highly recommended for Algebra II, Geometry students may want to purchase a graphing calculator to become familiar with the operations. Algebra II students may only use the TI 83, TI 83 plus, TI 84, TI 84 plus, or TI 84 Silver Edition. The TI Nspire series are not permitted for use at Blanchet Catholic School because the series has the capability of factoring, solving higher degree equations, and solving equations using mathematic formulas programmed into the calculator. These topics are a major part of the course content that students are expected to learn in Algebra II and advanced math courses. Use of the TI Nspire calculator will hinder the development of necessary problem solving and higher level thinking skills that are needed for success in college level math courses.

## **Pre-Algebra**

**Grade Level: 9**

**1.0 Elective Credit**

This course is designed to provide students with the skills needed to be successful in Algebra I. Students will have the opportunity to learn about variables, expressions, rational and irrational numbers, real numbers, right triangles, solving multi-step equations and inequalities, ratios, proportions and probability, linear functions, measurement of area and volume, data analysis and angle relationships and transformations..

*Credit Status: Required*

*Prerequisite: None*

## **Algebra I**

**Grade Level: 9-10**

**1.0 Credit**

This course improves the student's ability to solve problems, broadens the concepts of the nature of mathematics, improves and extends the understanding of arithmetic, and provides the student with an awareness of the use of mathematics in daily living. This course defines the structure of the number system in terms of the real numbers, and is considered essential for all students planning to take geometry, chemistry, or physics, or planning post-high school training.

*Credit Status: Required*

*Prerequisite: Pre-Algebra*

## **Geometry**

**Grade Level: 9- 11**

**1.0 Credit**

Geometry is a full-year course designed to introduce students to higher mathematics. This course emphasizes the development of deductive thinking skills using the major elements of Euclidean Geometry as tools. Major topics include: symbolic logic, development of the axiomatic system, congruence, similarity, triangles, parallelograms, ratio and proportion, right triangle trigonometry, circles, polygons, surface area, and volume. Optional topics include Euclidean construction, loci, higher dimensions, Platonic solids, and transformations.

*Credit Status: Required*

*Prerequisite: Algebra I*

## **Algebra II**

**Grade Level: 9-12**

**1.0 Credit**

This course introduces many of the topics included in traditional college algebra – linear and quadratic functions, rational functions and variations, systems of equations, the field of complex numbers, matrices, and polynomial and rational expressions. A strong emphasis on theory, problem solving, and mathematical modeling as well as communication and thinking skills enables students to further understand Algebra I concepts. The use of algebraic skills in real life is emphasized.

*Credit Status: Required*

*Prerequisite: Algebra I and Geometry*

## **Honors Algebra II**

**Grade Level: 9-12**

**1.0 Credit**

Honors Algebra II is designed to prepare students for upper level math courses. Topics covered include: functions and their graphs, arithmetic and geometric sequences, systems of equations, matrices, logarithms, exponential functions, inverse functions, polynomial functions and probability.

*Credit Status: Selective*

*Prerequisite: Algebra I, Geometry, and teacher recommendation*

**Pre-Calculus/Trigonometry****Grade Level: 10-12****1.0 Credit**

This course is designed to strengthen the skills developed during the previous three courses, and to raise the student's level of mathematical abstraction. It includes the study of the general properties of functions (linear, quadratic, polynomial, rational, exponential, logarithmic and trigonometric), trigonometric applications and identities, polar coordinates and complex numbers, vectors and DeMoivre's Theorem. Graphing calculators are used throughout this course. A student successfully completing this course will be prepared to take College Algebra and Trigonometry as the next mathematical courses. This is a demanding and fast-paced course, and students will be expected to work diligently and consistently.

*Credit Status: Selective*

*Pre-requisite: 77% or higher in Algebra II and teacher recommendation.*

**Honors Pre-Calculus/Trigonometry****Grade Level: 10-12****1.0 Credit**

This course is designed to strengthen the skills developed during the three previous courses and to raise the student's level of mathematical abstraction. It includes the study of the general properties of linear, quadratic, polynomial, rational, exponential, logarithmic, and related piece-wise functions. Also, it includes trigonometric applications and identities, polar coordinates and complex numbers, vectors, and DeMoivre's Theorem and parametric equations. Graphing calculators are used throughout the course. This is a demanding course, and students will be expected to work diligently and consistently.

*Credit Status: Selective*

*Prerequisite: 85% or higher in Honors Algebra II and teacher recommendation.*

**Calculus****Grade Level: 10-12****1.0 Credit**

Calculus is explored to attain balance according to the "rule of five" – analytic, algebraic, numerical, graphical, and verbal methods of representing problems. Students will first review functions learned in Pre-Calculus. They will then explore limits and continuity, derivatives, some integrals, and many applications. Graphing calculators will be used throughout the course. This is a demanding course, and students will be expected to work diligently and consistently.

*Credit Status: Selective*

*Pre-requisite: 83% or better in Honors Pre-Calculus/Trigonometry and teacher recommendation.*

**Financial Algebra****Grade Level: 11-12****1.0 Credit**

Financial Algebra serves as a class that motivates and encourages students to be actively involved in applying mathematical ideas in their everyday lives. Taking algebraic and graphical approaches with practical business and personal finance applications, students will be able to search out algebraic thinking patterns and functions in a financial context.

*Credit Status: Selective*

*Prerequisite: Algebra I, Geometry and Algebra II*

**AP Stats****Grade Level: 9-10****1.0 Credit**

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypothesis

*Credit Status: Elective*

*Prerequisite: Algebra II*

# Physical Education

## **Physical Education I**

**Grade Level: 9-12**

**0.5 Credit**

The focus of this course is to develop physical fitness and coordination through participation and knowledge of various game rules and regulations. Opportunities for peer socialization through sports are provided to develop leadership and sportsmanship qualities. This course emphasizes a lifetime appreciation for physical activities through various sports games.

*Credit Status: Required*

*Prerequisite: None*

## **Weight Training and Conditioning**

**Grade Level: 9-12**

**0.5 Credit**

This course is designed to develop and enhance personal fitness, strength and conditioning. The emphasis is on reaching personal goals as they pertain to strength training. Students will learn how to use a weight training facility, safety, and training design. A focus is put on recreational and athletic training through dynamic exercise and hard work.

*Credit Status: Elective*

*Prerequisite: None*

## **Lifetime Sports**

**Grade Level: 9-12**

**0.5 Credit**

This course offers students an opportunity to participate in a variety of activities that will help them to adhere to their personal, lifelong physical fitness goals. This activity class is designed to engage all students in a wide array of team sport and group activities that will promote a healthy lifestyle for years to come.

*Credit Status: Elective*

*Prerequisite: None*

## **Personal Fitness**

**Grade Level: 9-12**

**0.5 Credit**

This class introduces students to a variety of fitness promoting approaches and the importance of proper nutrition in health and wellness. Among those activities explored will be Pilates, Yoga, Core Workouts, Body Specifics, Tae Bo, Steps, Aerobics and Zumba.

*Credit Status: Elective*

*Prerequisite: None*

## **Health I**

**Grade Level: 9-10**

**0.5 Credit**

This semester long course focuses on understanding your health, physically, mentally/emotionally and socially. Students will learn skills for a healthy life style, relationships, abstinence, bullying, conflict resolution, drugs and alcohol, nutrition, growth and development. Course emphasis is on student involvement, lecture, unit handouts and group participation. The semester ends with an American Red Cross First aid/CPR/AED certification. Emphasis during this semester is on improving lifetime skills and the importance of making good choices in life.

*Credit Status: Required*

*Prerequisite: None*

## **Health II**

**Grade Level: 10-12**

**0.5 Credit**

This Semester long course focuses on environmental health, communicable/non-communicable diseases, sexually transmitted diseases, abstinence, drugs and alcohol and lifetime health issues. Course emphasis is on student involvement through discussions, activities and group participation. The students are responsible for two major reports. One, health issue of choice that student is interested in learning. Two, Country of choice reporting health related issues country is faced with at the present time.

*Credit Status: Required*

*Prerequisite: Health I*

## **PE Waiver**

**Grade Level: 11-12**

**0.5 Credit**

Participation in a varsity-level sport may be substituted for one semester of Physical Education at the high school level. The student earns a grade of "P" for 0.5 credits of Physical Education. This waiver can be exercised by application through the athletic department.

*Credit Status: Elective*

*Prerequisite: None*

# Religion

The US Bishops have mandated the development of catechetical texts in conformity with the catechism, including those used in teaching the Catholic faith to high school students. In 2008, the bishops of the United States published "Doctrinal Elements of the Curriculum Framework for the Development of Catechetical Materials for Young People of High School Age." Accordingly, we have begun implementing and modifying curriculum to meet the requirements of the framework. This framework is designed to shape a four-year, eight-semester course of catechetical instruction. At Blanchet Catholic School we will have fully implemented the new curriculum framework as of the 2014-2015 school year.

## **Religion 9**

**Grade Level: 9**

**1.0 Credit**

This course introduces students to the Sacred Scriptures and salvation history recounted there, with emphasis given to Christ who fulfills salvation history. Students will discover the meaning of divine and natural revelation, inspiration, interpretation, and exegesis as understood within Catholicism. Through study, students will learn about divine Revelation, the Trinity, the Incarnation, Jesus, and salvation. They will be led to a more profound understanding of discipleship as a response to God's love.

*Credit Status: Required*

*Prerequisite: None*

## **Religion 10**

**Grade Level: 10**

**1.0 Credit**

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails." In the second semester, they will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements.

*Credit Status: Required*

*Prerequisite: None*

## **Religion 11**

**Grade Level: 11**

**1.0 Credit**

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. In the second semester, students will learn how it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

*Credit Status: Required*

*Prerequisite: None*

## **Religion 12**

**Grade Level: 12**

**1.0 Credit**

Through discussion, discovery, reflection and the development of a unique service project, students will have an opportunity to learn how Christ's concern for others is present today in the Church's social teaching and mission. Students will learn how vocations are similar and different as they explore and research married life, single life, priestly life, and consecrated life. Students are provided with information on what it means to live for the benefit of others and the value in considering a vocation in service to a Christian society.

*Credit Status: Required*

*Prerequisite: None*

# Science

## Physical Science

**Grade Level: 9**

**1.0 Credit**

Physical Science is a full year course in which the students will cover a variety of topics introducing concepts of Chemistry and Physics. The course is divided into a semester covering the Introduction to Principles of Chemistry and a semester covering the Introduction to the Principles of Physics. The course will be a unified study of the themes of Matter, Motion, Forces, and Energy.

*Credit Status: Selective*

*Prerequisite: None*

## Biology

**Grade Level: 9-10**

**1.0 Credit**

Biology is a one year course designed to introduce students to the concepts and skills associated with the life sciences. Laboratory experiences introduce and/or reinforce the classroom instruction. Major topics include: scientific method, cell structure and function, photosynthesis and cellular respiration, genetics and heredity, evolution and classification, and ecology and human impacts. Students will engage in inquiry investigations emphasizing scientific practices

*Credit Status: Required*

*Prerequisite: None ~ 9<sup>th</sup> grade students may take this course with teacher recommendation.*

## AP Biology

**Grade Level: 10 - 12**

**1.0 Credit**

This Advanced Placement (AP) Biology class offers high school students a foundation in a freshman college-level biology course. The processes used in inquiry help the students to develop critical thinking skills, which is the most important part of this course. At the conclusion of the course, students will have developed reasoning skills necessary to engage in the science practices. Students will also develop advanced inquiry skills including, but not limited to, designing a plan for collecting data, analyzing data, and applying mathematical models. Students will be able to connect concepts in biology and across other domains.

*Credit Status: Selective*

*Prerequisite: Biology, Chemistry, and teacher recommendation*

## Physics

**Grade Level: 10-12**

**1.0 Credit**

This course is a conceptual approach to the principles and laws that govern the world we live in. Students will study the nature of basic things such as motion, forces, energy, matter, heat, sound, light, and the structures of atoms.

*Credit Status: Selective*

*Prerequisite: Algebra II*

## Chemistry I

**Grade Level: 10-12**

**1.0 Credit**

High School Chemistry is a full year course in which the students will cover a variety of topics in Chemistry. The course will be a unified study of the themes of Matter, Atomic Theory, Stoichiometry of Equations, Chemical Bonding, and Energy.

*Credit Status: Selective*

*Prerequisite: Algebra I*

## Honors Chemistry I

**Grade Level: 10-12**

**1.0 Credit**

Honors Chemistry is a full year course in which the students will cover a variety of topics in Chemistry. The course will be a unified study of the themes of Matter, Atomic Theory, Stoichiometry of Equations, Chemical Bonding, and Energy. Honors students will have additional course expectations and requirements than the High School Chemistry course as determined by their instructor..

*Credit Status: Selective*

*Prerequisite: Algebra I*

## Human Anatomy & Physiology

**Grade Level: 10-12**

**1.0 Credit**

This class offers a comprehensive and detailed study of the human body and its functions. Major unifying themes are the complementarities of structure and function, homeostasis and system integration. Teacher lecture, guest speakers, student interaction, a field trip to a cadaver lab, and dissection of a fetal pig are a variety of methods used to introduce students to anatomy, physiology, and the clinical aspects of both.

*Credit Status: Selective*

*Prerequisite: Biology*

# Social Studies

## **World History**

**Grade Level: 9**

**1.0 Credit**

This comprehensive world history course covers pre-history to the post-World War II era with an emphasis on Western civilization. Attention is given to political, economic, religious, social, intellectual, and artistic developments. Students come to understand how world events transpired and influenced the world today.

*Credit Status: Required*

*Prerequisite: None*

## **American Government**

**Grade Level: 10**

**0.5 Credit**

Students are acquainted with how the United States government works, why it was constructed in its present form, and how it benefits citizens. Students experience democracy in action and are encouraged to become positive, interested, contributing citizens.

*Credit Status: Required*

*Prerequisite: None*

## **Economics**

**Grade Level: 10**

**0.5 Credit**

This course provides students with the information and experiences needed to think critically, solve problems and make decisions that benefit themselves and others in today's economy. The class prepares students for a better understanding of the United States' economy and the events that stimulate, recess, or depress the economic performance of today's society.

*Credit Status: Required*

*Prerequisite: None*

## **AP Government**

**Grade Level: 10-12**

**1.0 Credit**

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they complete a political science research or applied civics project.

*Credit Status: 10th Grade Social Studies Credit or 12th Grade Elective*

*Prerequisite: Teacher Recommendation*

## **United States History**

**Grade Level: 11**

**1.0 Credit**

American history from colonialism through the Cold War is covered in this year-long course. Emphasis is placed on United States political, military, economic, social, and industrial history. Students understand how America's history transpired, influenced, and led to its current status.

*Credit Status: Required*

*Prerequisite: None*

## **AP U.S. History**

**Grade Level: 11-12**

**1.0 Credit**

This full-year course covers American history from colonialism to post WWII. Topics include political, military, economic, social, and industrial history. The course will provide insights to the major developments of historical eras, as well as an introduction to resources used by historians: written documents and maps. Emphasis is placed on essay writing and completing document-based questions.

*Credit Status: Selective*

*Prerequisite: Minimum 3.30 GPA in Social Studies and English classes.*

## **Global Issues**

**Grade Level: 11-12**

**0.5 Credit**

This course is an introduction to a broad range of contemporary global issues. Discussion will focus upon controversial issues in areas such as international conflict and security, the global economy and development, the environment, immigration, and human rights. These issues will be covered from different perspectives and multiple publications. Our primary resource is the *Oregon School Library Information System (OSLIS)*, *Opposing View Points* publication.

Supplemental materials include; the local newspaper, television news broadcast, and current event articles collected by students.

*Credit Status: Required*

*Prerequisite: None*

### **Senior Seminar**

**Grade Level: 11-12**

**0.5 Credit**

This course is designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will include career choices, resume writing, interview strategies, income, money management, spending and credit, as well as saving and investing. The *High School Financial Planning Program* text will guide our class progression.

*Credit Status: Required*

*Prerequisite: None*

## **Electives**

### **Faith in Action (Spirituality Team)**

**Grade Level: 12**

**0.5 Credit**

This course is designed to allow members of the Spirituality Team to take an active role in Campus Ministry. Students taking the Faith in Action course will be charged with the duty of planning and implementing all class retreats, the Junior Encounter, prayer services, service opportunities, and assisting in liturgy preparation. Students will be assessed on attendance, participation in class, prayer service development, class assignments, and leadership..

*Credit Status: Elective*

*Prerequisite: Application and teacher approval*

### **Intro to Engineering**

**Grade Level: 9-12**

**1.0 Credit**

Introduces the engineering profession and engineering problem-solving. Compare the job of scientist, engineer and technician. Describe the different educational degree levels required for engineering and engineering technology programs. Discuss the traditional engineering disciplines and what each of the main engineering branches does. Describe engineering job functions and the ethics and canons of the engineering profession. Solve fundamental engineering problems, using accepted methods of solutions. Solve engineering calculations using hand-held calculators. Explain fundamental engineering dimensions and units. Plot graphical representations for various engineering equations. Describe the regulations pertaining to professional registration as an engineer in the State of Oregon.

*Credit Status: Elective*

*Prerequisite: None*

### **Leadership**

**Grade Level: 9-12**

**0.5 Credit**

This class is designed to develop individual leadership skills through various hands on experiences and studies. Students will learn the value of team work, service to others, styles of leadership and what their leadership strengths are. They will be given opportunities to develop their leadership skills in and outside of class. Students will develop a Leadership Powerbook to use as a resource for future leadership use. Daily participation is essential to student success.

*Credit Status: Elective*

*Prerequisite: None*

### **Marketing I**

**Grade Level: 9-12**

**0.5 Credit**

An introductory marketing/business course designed to expose students to the foundations and functions of marketing. The curriculum aligns with the National Marketing Education Standards and the Oregon Career-related Learning Standards. Topics include: general business, management, entrepreneurship, ethics, communication, economics, professional development, marketing information management, selling, financing, pricing, promotion, distribution, product/service management. DECA Association participation is not mandatory, but it is an important element of the class curriculum.

*Credit Status: Elective*

*Prerequisite: None*

### **Office Skills**

**Grade Level: 11-12**

**0.5 Credit**



Duties of the office aide will vary according to the office in which the student works. Generally, the aide performs clerical and other related duties as assigned by the office personnel. Responsibilities may include the following: answering telephones, filing, delivering messages, assisting with attendance and greeting people. Keyboarding and data entry may be included according to the student's skill level.

*Requirement: Approval of Principal; Minimum GPA of 2.0.*

*Credit Status: Elective*

*Prerequisite: None*

### **Programming 1**

**Grade Level: 9-12**

**1.0 Credit**

This year-long course introduces students to the study of computer science and its many applications in our world today. As a largely project-based learning course, students will have the opportunity to explore the essentials of computing, such as computer hardware, networking (including the internet and cybersecurity), data storage, and communications technology. Students will also be introduced to the essentials of formatting and programming languages such as HTML, CSS, JavaScript, and Python, and have the opportunity to begin building their own websites and code using these languages. In the second semester, students will select a programming language of their choice, for which they will then take a self-paced college or professional level course and design their own final programming project.

*Credit Status: Elective*

*Prerequisite: None*

### **Psychology**

**Grade Level: 11-12**

**0.5 Credit**

Psychology is a semester course in which the students will cover a variety of topics in Psychology. The course will explore the influences of society on individual behavior and group relationships and look for biological explanations for human behavior and gain insight into the student's own life and the lives of those around them.

*Credit Status: Elective*

*Prerequisite: None*

### **Robotics**

**Grade Level: 9-12**

**1.0 Credit**

This year-long course introduces students to the ever-emerging field of robotics technology. As a hybrid lecture/lab course, students will have the opportunity to explore the technical and practical aspects of robotic engineering. Students will utilize various robotics platforms to design, build, and program robots to accomplish a number of tasks. Concurrently, students will learn the essentials of electronics and electrical engineering, such as electricity, magnetism, DC and AC currents, sensor technology, and micro-controllers, which will further enhance their understanding of robotics. Students will then be introduced to the physics of robotic motion and movement, which will include the study of basic kinematics, Newton's laws, and machines. Also introduced will be a number of exciting robotic engineering careers, in fields such as medical technology and bionics, various other fields of scientific research, the National Aeronautics and Space Administration (NASA), and the National Oceanic and Atmospheric Administration (NOAA).

*Credit Status: Elective*

*Prerequisite: None*

### **Teacher Aide**

**Grade Level: 11-12**

**0.0 Credit**

Duties of the teacher aide will vary according to the teacher with which the student works.

*Requirement: Approval of Principal; Minimum GPA of 2.0.*

*Credit Status: Elective*

*Prerequisite: None*