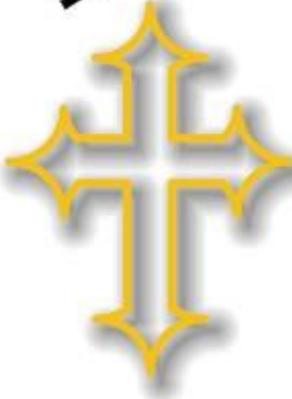


Bishop  
John J.  
 Snyder  
High School

**2019-2020**  
**Course Catalog**

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# GRADUATION REQUIREMENTS

**1) A total of 28 credits must be earned in the following subject areas:**

English	4 credits
Math	4 credits
Religion	4 credits
Social Studies	3 credits
Science	3 credits
Foreign Language	2 credits (same language)
Physical Education	1 credit
Practical/Performing Art	1 credit (see list of available options below)
Electives	6 credits*

\*Students may opt to take additional core academic courses in the 11<sup>th</sup> and 12<sup>th</sup> grade to fulfill this requirement.

The following courses fulfill the practical/performing art requirement:

Art I-III	Chorus I-IV	Computer Applications
Art Portfolio Honors	Intro to Violin	Graphic Design (Newspaper)
Guitar I	Speech	Visual Tech (Yearbook)
Band I-IV	Debate	

**2) A cumulative grade point average (GPA) of 2.0 or higher must be earned in all courses attempted in grades 9-12.**

## BASIC COURSE SEQUENCE

<u>9<sup>TH</sup> GRADE</u>	<u>10<sup>TH</sup> GRADE</u>	<u>11<sup>TH</sup> GRADE</u>	<u>12<sup>TH</sup> GRADE</u>
Religion	Religion	Religion	Religion
English I	World Literature	American Literature	British Literature
Math	Math	Math	Math
P.E.	World History	American History	Economics/Gov
Biology	Chemistry	Physics*	Elective
World Language I	World Language II	Elective	Elective
Elective	Elective	Elective	Elective

\*Recommended, but not required

## **CRITERIA FOR HONORS and ADVANCED PLACEMENT COURSE RECOMMENDATION**

Criteria for **HONORS** course recommendation:

1. The student:
  - a) has an excellent attendance record
  - b) works independently
  - c) follows directions
  - d) demonstrates intellectual maturity and commitment to academics
  - e) maintains a positive attitude
  - f) completes all required assignments
  - g) exhibits exemplary behavior
  
2. At the time of teacher recommendation (early in the fourth quarter), the student has an overall average of 80 or better in the previous subject-related **HONORS** course or an overall average of 90 or better in the previous subject-related **STANDARD** course. NOTE: Students must have an overall average of 85 or better in world language courses in order to be recommended for an honors-level course.

Criteria for **AP** course recommendation:

The student must have an overall average of 90 or better in the subject-related honors course **or** an overall average of 80 or better in the subject-related AP course **and** approval of both the current teacher and the AP teacher. **AP placement decisions cannot be appealed or waived.**

NOTE: All students enrolled in an AP course are required to take the AP Examination at a cost of \$92 (at time of printing).

### **WAIVER REQUESTS**

Waiver requests (maximum of 2) must be submitted to the School Counseling Office before August 1<sup>ST</sup>, and require 1) completion of all prerequisites, 2) a cumulative weighted GPA of at least 2.5, 3) a parent-counselor conference, and 4) approval of the Dean of Academics.

### **PLACEMENT AND SCHEDULE CHANGE POLICY**

Freshman placement in English, mathematics, and science will be determined by the Placement Committee based on teacher recommendations, the 8<sup>th</sup> grade report card, standardized test scores, and High School Placement Test (HSPT) scores. Students will be advised of their course assignments by mail or email. Elective, PE, and world language preferences will be indicated by each student on the Course Selection Form mailed out in April.

For current BJS students, placement in all core-subject courses will be based on teacher recommendations and grades earned while at BJS. Some elective classes require approval as well. Direct any questions regarding placement or approval to School Counseling.

Schedule change requests must be submitted for consideration **by the end of the second full week of classes**, after which only *teacher-initiated* schedule changes for students *with below a 60 average* will be considered. All schedule changes require approval of the Dean of Academics and are subject to class-size limitations and master schedule constraints.

# RELIGION

*The Religion department works collaboratively with the Office of Campus Ministry to prepare students for living in the light of Christ's message in today's world. This is accomplished through a combination of academic coursework, annual retreats and days of reflection, liturgical celebrations and missionary initiation. The curriculum includes eight semester-long courses dealing with themes that are central and fundamental to a life of faith. Additionally, student graduation requirements include 25 hours per year of approved Christian service.*

## **RELIGION 9A (.5 credit)**

### ***The Revelation of Jesus Christ in Scripture***

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course, students will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will learn how to read the Bible and will become familiar with its major sections and the books included in each section. Particular attention is given to the Gospels so that students may come to know and love Jesus Christ more personally.

## **RELIGION 9B (.5 credit)**

### ***Who is Jesus Christ?***

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In this course, students will come to understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, the students will also learn who He calls them to be.

## **RELIGION 10A (.5 credit)**

### ***The Mission of Jesus Christ (The Paschal Mystery)***

The purpose of this course is to help students understand all that God has done for us through His Son, Jesus Christ. In this course, students will learn that 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.

## **RELIGION 10B (.5 credit)**

### ***Jesus Christ's Mission Continues in the Church***

The purpose of this course is to help students that in and through the Church they encounter the living Jesus Christ. 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. In this course, students will learn about the sacred nature of the Church.

**RELIGION 11A (.5 credit)*****Sacraments as Privileged Encounters with Christ***

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.

**RELIGION 11B (.5 credit)*****Responding to the Call of Jesus Christ***

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. In this course, students will learn how the vocations of married life, single life, priestly life, and consecrated life are similar and how they differ. Students will learn what it means to live life for the benefit of others and the value of considering a vocation in service to the Christian community.

**RELIGION 12A (.5 credit)*****Life in Jesus Christ***

The purpose of this course is to help students understand that it is only through Christ that they can fully live God's plans for their lives. Students will learn the moral concepts and precepts that govern the lives of Christ's disciples.

**RELIGION 12B (.5 credit)*****The Gospel of Life***

The purpose of this course is to examine the meaning of human life as a gift of God, the fruit and sign of His love. The course will examine cultural, legislative, service and spiritual opportunities to respond to the present threats to life. Through the study of Sacred Scripture and Church documents, particularly the Encyclical Letter *Evangelium Vitae*, students will explore foundational principles and major themes of Catholic Social Doctrine and identify the many ways in which they can respond to life issues in a manner that is consistent with the teachings of the Church.

**CAMPUS MINISTRY (1 credit)****Prerequisite: Application, Teacher Recommendation (2), Interview**

The purpose of this course is to allow students a first-hand experience of living out the Gospel message through service to the Bishop John J. Snyder High School community and beyond. Making use of class retreats, school liturgies and prayer services, and a variety of service projects, the goal of the course is to put faith into practice. Students will learn to plan and implement opportunities for spiritual growth, discover ways to use their personal gifts to serve others, learn and practice principles of peer ministry, and grow in personal prayer life.

# LANGUAGE ARTS

## **ENGLISH I (1 credit)**

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, language, and literature in preparation for college readiness.

## **ENGLISH I HONORS (1 credit)**

**Prerequisite: BJS Honors criteria and approval of Placement Committee**

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, language, and literature in preparation for college readiness. Students will analyze and interpret texts of high complexity.

## **ENGLISH II (1 credit)**

**Prerequisite: English I**

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, language, and literature in preparation for college readiness. Students will survey works of world literature.

## **ENGLISH II HONORS (1 credit)**

**Prerequisite: BJS honors criteria**

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, language, and literature in preparation for college readiness. Students will analyze and interpret texts of high complexity.

## **ENGLISH III (1 credit)**

**Prerequisite: English II**

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, language, and literature in preparation for college readiness. Students will survey eighteenth-, nineteenth-, and early-twentieth-century foundational works of American literature.

## **ENGLISH III HONORS (1 credit)**

**Prerequisite: BJS honors criteria**

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, language, and literature in preparation for college readiness. Students will survey eighteenth-, nineteenth-, and early-twentieth-century foundational works of American literature. Students will analyze and interpret texts of high complexity.

## **ENGLISH IV (1 credit)**

**Prerequisite: English III**

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, language, and literature in preparation for college readiness. The student's experience with literature will include the works of Shakespeare.

## **ENGLISH IV HONORS (1 credit)**

**Prerequisite: BJS honors criteria**

The purpose of this course is to provide students integrated language arts study in reading, writing, speaking, listening, language, and literature in preparation for college readiness. The student's experience with literature will include the works of Shakespeare and texts of high complexity.

## **ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION (11<sup>th</sup> grade) (1 credit)**

**Prerequisite: BJS AP criteria**

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.

## **ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (12<sup>th</sup> grade) (1 credit)**

**Prerequisite: BJS AP criteria**

The College Board describes this course as an opportunity “to learn to analyze and interpret imaginative literature through the careful reading of representative works from various genres and periods.”

## **SPEECH (.5 credit)**

The purpose of this course is to help the student develop both fundamental and complex communication skills. Emphasis is placed on classical rhetoric and argumentation, public speaking performances, listening skills, and critical analysis.

## **DEBATE (.5 credit)**

**Prerequisite: Speech**

The purpose of this course is to introduce students to the foundations of debate and argumentation. Students will learn to improve their skills of analysis, research, reasoning and the presentation of a debate. Students will develop cases, understand the principles of cross-examination, and practice upper level questioning techniques.

## **MYTHOLOGY (.5 credit)**

**Prerequisite: English II and minimum grade of C in all English courses**

The purpose of this course is to introduce the myths of the ancient world, with a focus on the mythology of the Ancient Greeks and Romans, to students interested in broadening the scope of their reading. Students will read and respond to a variety of texts including both ancient and modern sources. Questions the class will explore include: For the ancients, what was the difference between human and divine? What was the role of fate in the ancient world? How have these myths shaped literature over the centuries, and why should we continue studying them today? Students will write analytical essays and do research on various topics.

## **ANCIENT PHILOSOPHY (.5 credit)**

**Prerequisite: English II and minimum grade of C in all English courses**

The purpose of this course is to introduce the philosophy of the ancient world, with a focus on the philosophy of the Ancient Greeks and Romans, to students interested in broadening the scope of their reading. Students will read and respond to a variety of texts including ancient sources such as Plato and Aristotle. Questions the class will explore include: What does it mean to live a good life? How did philosophy develop? Can we apply philosophy to our everyday lives, and if so, how? Students will write analytical essays and do research on various topics.

# **APPLIED COMMUNICATIONS and CTS**

## **APPLIED COMMUNICATIONS (1 credit)**

**Prerequisite: documented need, by invitation**

This year-long course assists students in developing and perfecting the skills necessary to pursue academic excellence. A variety of learning activities undertaken directly relate to the skill sets presented: critical reading and thinking, test taking, memory, writing, speaking and communication.

## **Critical Thinking and Study Skills - A (.5 credit)**

**Prerequisite: teacher recommendation and instructor approval**

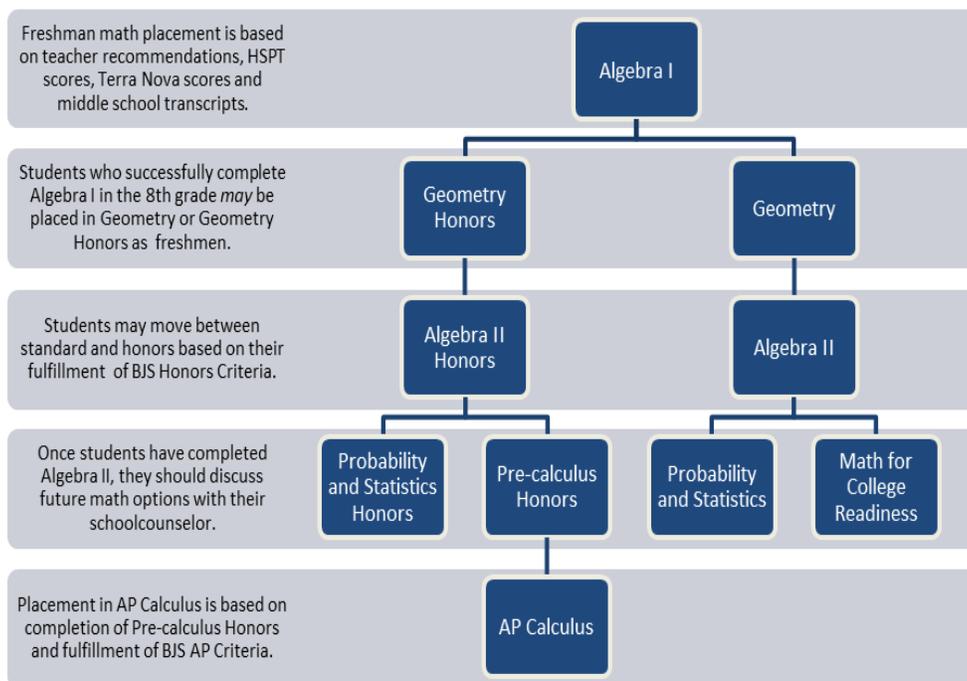
This course focuses on the use of specific strategies to navigate higher level course work. These strategies focus on a holistic view of skills related to analytics, time management, and taking time for self for optimal achievement. Personal problem-solving tools are emphasized to enhance performance in academic and nonacademic endeavors. Topics include strategies for (1) acquiring, storing, and retrieving information, (2) stress management (3) time management, (4) analytic neuroplasticity operations and processes, (5) problem-solving skills and strategies, and (6) enhanced test-taking tools.

## **Strategic Management and Mastery (.5 credit)**

**Prerequisite: Applied Communications or CTS or CTS-A, teacher recommendation and instructor approval**

This course focuses on the use of specific strategies to navigate a student's high school and collegiate career. Students are coached to develop a set of personal goals (immediate, short-term and long term) and then to design a plan to achieve these goals. Through utilizing a designed set of strategic tools, techniques, and resources, students learn to enact plans efficiently and increase quality performance in academic and nonacademic endeavors.

# MATHEMATICS



## **ALGEBRA I (1 credit)**

Content includes variables, structure and properties of the real number system, equations and inequalities, polynomials, linear equations and their graphs, systems of equations and inequalities, rational and radical expressions and equations, relations and functions, quadratic equations, and problem solving strategies needed for success and continued studies in algebra.

## **GEOMETRY (1 credit)**

**Prerequisite: Algebra I**

Content includes angles, segments, lines, rays, triangles, polygons, planes, parallel and perpendicular lines, congruence, similarity, circles, quadrilaterals, the Pythagorean Theorem, area, volume, trigonometry and proofs.

## **GEOMETRY HONORS (1 credit)**

**Prerequisite: BJS Honors criteria and/or approval of Placement Committee**

This course provides a more rigorous study of the topics listed for Geometry. Emphasis is placed on student-generated proofs and applications.

## **ALGEBRA II (1 credit)**

**Prerequisite: Algebra I and Geometry**

Content includes real numbers and operations, variables and exponents, solving equations and inequalities, linear relations and functions, graphing, systems of equations and inequalities, matrices and determinants, radicals, complex numbers, logarithms and conic sections.

**ALGEBRA II HONORS (1 credit)**

**Prerequisite: BJS Honors criteria AND final grade of 85 or better in BJS Algebra I or final grade of “A” in 8<sup>th</sup>-grade Algebra I**

This course provides a more rigorous study of the topics listed above for Algebra II. Emphasis is placed on the graphs and applications of linear, quadratic, polynomial, radical, absolute value, rational, exponential, and logarithmic functions.

**PROBABILITY AND STATISTICS (1 credit)**

**Prerequisite: Algebra II**

Content includes measures of central tendency, standard deviation, regression and correlation, probability, and standard normal distributions. Students will develop and apply knowledge of statistics and probability to design experiments, collect and analyze data, and reach appropriate inferences and conclusions.

**PROBABILITY AND STATISTICS HONORS (1 credit)**

**Prerequisite: Algebra II and BJS Honors Criteria**

This course provides a more rigorous study of the topics listed above for Probability and Statistics. Emphasis is placed on real-world application of these topics.

**MATH FOR COLLEGE READINESS (1 credit)**

**Prerequisite: Geometry and Algebra II**

This course provides students additional instruction in algebra, probability, statistics, and geometry in order to better prepare them for college-level mathematics. Additionally, emphasis is placed on application of math to solve financial problems related to investment, credit, banking, auto insurance, mortgage, employment, income tax, and budgeting.

**PRE-CALCULUS HONORS (1 credit)**

**Prerequisite: Algebra II Honors and BJS Honors criteria**

This course completes the student's preparation for a college-level calculus course. Content includes graphs and applications of polynomial, exponential, logarithmic, and trigonometric functions, as well as vectors, parametric equations, limits, and sequences and series. Students will develop problem-solving skills and clarity of mathematical thought and expression.

**ADVANCED PLACEMENT CALCULUS AB (1 credit)**

**Prerequisite: Pre-Calculus Honors with a final average of 90 or better and BJS AP criteria**

AP Calculus AB is a college-level course in single-variable calculus that includes a study of algebraic and transcendental functions, limits, continuity, differentiation techniques and applications of derivatives, and integration techniques and applications of integrals.

# SOCIAL STUDIES

## **GEOGRAPHY (1 credit)**

This course emphasizes regional geography with attention to the influence of physical features of the region on the lives of the people. Students use and develop basic social science skills including map use and interpretation. Freshmen are strongly encouraged to take this course if they plan to pursue eligibility for AP World History. Upperclassmen may take it as an elective.

## **WORLD HISTORY (1 credit)**

This is a survey course which provides students with knowledge covering pre-historic times to the present. The course will examine historical themes and major turning points significant to World History. Students will analyze a variety of sources and use critical and higher level thinking skills. Students will learn to understand political, economic and cultural systems of each civilization.

## **WORLD HISTORY HONORS (1 credit)**

**Prerequisite: BJS Honors criteria**

This is a survey course which provides students with knowledge covering pre-historic times to the present. The course will examine historical themes and major turning points significant to World History. Students will analyze a variety of sources and use critical and higher level thinking skills. Students will learn to understand political, economic and cultural systems of each civilization. As an Honors class there will be extensive writing assignments and in-depth focus on periodization and cross-cultural interaction.

## **ADVANCED PLACEMENT WORLD HISTORY (1 credit)**

**Prerequisite: Recommendation of AP World History Placement Committee**

This course is a rigorous, college-level course designed to explore human history from 8000 B.C. to the present. Students develop the analytical and historical writing skills necessary for success on a collegiate level. To this end, the course devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography (the principles, theories, or methodology of scholarly historical research and presentation) and inquiry into global connections that have shaped our present world.

## **AMERICAN HISTORY/AMERICAN HISTORY HONORS (1 credit)**

**Prerequisite: BJS Honors criteria**

These courses 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, civil, social, and employment settings.

## **ADVANCED PLACEMENT U.S. HISTORY (1 credit)**

**Prerequisite: BJS AP criteria**

This Advanced Placement course helps students understand the development of the United States within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. Students use knowledge pertaining to history, geography, economics, civil, social and employment settings. The content is specified by the Advanced Placement Program.

## **AMERICAN GOVERNMENT/AMERICAN GOVERNMENT HONORS (.5 credit)**

**Prerequisite: BJS Honors criteria**

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.

## **ECONOMICS/ECONOMICS HONORS (.5 credit)**

**Prerequisite: BJS Honors criteria**

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.

## **ADVANCED PLACEMENT MACROECONOMICS (.5 credit)**

**Prerequisite: BJS AP criteria**

This semester-long, college-level course focuses on the principles of the economic system as it applies to income, the financial sector, economic policy, economic growth and international economics. The course is designed to prepare students for college level economics courses and the AP Exam.

## **ADVANCED PLACEMENT U.S. GOVERNMENT (.5 credit)**

**Prerequisite: BJS AP criteria**

This semester-long, college-level course “will give students an analytical perspective on government and politics in the United States” (College Board). Study will consist of general concepts and specific instances of American government in action. Students will become familiar with a variety of interpretations, explanations and political perspectives through this course. This course will be taken in conjunction with AP Macroeconomics.

## **PSYCHOLOGY (11<sup>th</sup> or 12<sup>th</sup> grade)(.5 credit)**

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 will better prepare them to understand their own behavior and the behavior of others.

## **SOCIOLOGY (11<sup>th</sup> or 12<sup>th</sup> grade)(.5 credit)**

Through the study of sociology, students acquire an understanding of group interaction and its impact on individuals in order that they may have a greater awareness of the beliefs, values and behavior patterns of others. In an increasingly interdependent world, students need to recognize how group behavior affects both the individual and society.

# SCIENCE

## **PHYSICAL SCIENCE (1 credit)**

This course covers the basic principles of physics and chemistry. Topics include force and motion, Newton's laws, mechanics, light, sound, electricity, thermodynamics, magnetism, atomic theory, periodic table, bonding, chemical reactions and nuclear chemistry. Labs are offered as appropriate to the material. The course is designed to build a better foundation in both chemistry and physics.

## **BIOLOGY (1 credit)**

This course is the study of the characteristics and life processes of living organisms. Course content includes the nature of science, the chemistry of biology, cell theory, heredity and molecular genetics, biological evolution and diversity, taxonomy and classification, principles of ecology, and basic structure and function for invertebrates, vertebrates and plants. Laboratory exercises are required and are used to enhance the understanding of these concepts. Dissection of selected animal and plant specimens is a required element of the course.

## **BIOLOGY HONORS (1 credit)**

**Prerequisite: BJS Honors criteria and approval of Placement Committee**

This rigorous course emphasizes laboratory inquiry in developing student-discovered concepts in the classroom. Factual learning and critical thinking dominate discussions. Classical biological themes as well as the most up-to-date discoveries are explored. Emphasis is placed on such topics as history of biology, the environment, and structure as it relates to function, interaction of organisms, diversity and similarity of living things, genetics, evolution, biological processes, and social and ethical issues.

## **CHEMISTRY (1 credit)**

**Prerequisite: Algebra I**

This course is the study of the composition and properties of matter and the changes it undergoes. Course content includes the nature of science, standards of measurement, atomic theory, chemical bonding, stoichiometry, behavior of gases, and an introduction to solutions, as well as acids and bases. Critical thinking and problem solving skills are developed through classroom discussions, demonstrations and laboratory exercises.

## **CHEMISTRY HONORS (1 credit)**

**Prerequisite: BJS Honors criteria, minimum grade of 80 in Algebra I**

This course is taught through a more rigorous and math-oriented approach than the standard chemistry course. In addition to the topics covered in the standard course, this course includes a more in-depth study of molar volume, stoichiometry of gases, and acids and bases. Critical thinking and problem solving skills are developed at a higher level than for the standard course, and are reflected in the laboratory exercises.

## **PHYSICS HONORS (1 credit)**

**Prerequisite: BJS Honors criteria, minimum grade of 80 in Algebra II**

This course provides opportunities to study the concepts, theories and laws governing the interaction of matter, energy and forces, and their applications through exploratory investigations, demonstrations, and activities. This course is math intensive mandating previous completion and mastery of Algebra II before enrollment.

## **ASTRONOMY (1 credit)**

**Prerequisite: Chemistry**

This course is the study of objects that make up the solar system, stars, and structure of the universe as a whole. Course content includes the nature of science, standard measurements, historical astronomy, astronomical instrumentation, celestial sphere, solar system astronomy, stellar life cycle, and structure of larger astronomical objects. Critical thinking skills are developed through classroom discussions, demonstrations, and laboratory exercises through the application of conceptual chemistry and physics principles.

## **MARINE SCIENCE (1 credit)**

**Prerequisite: Biology and Chemistry**

This course is the study of the marine environment and the organisms that inhabit it. Course content includes plate tectonics, physical and chemical oceanography, marine ecology, taxonomy and classification, and comparative marine anatomy. Required laboratory exercises are designed to enhance the understanding of these concepts and include dissections of select marine invertebrates and vertebrates.

*NOTE: Marine Science and Ecology may not be taken in the same year.*

## **ECOLOGY (1 credit)**

**Prerequisite: Biology and Chemistry**

This course is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which we live. Students will explore the general concepts of ecology; ecosystems, habitats, communities and niches, abiotic and biotic factors, food chains, webs and pyramids, population dynamics, interspecies and intraspecies relationships, animal behavior, animal adaptation and evolution.

*NOTE: Ecology and Marine Science may not be taken in the same year.*

## **CHEMISTRY II HONORS (1 credit)**

**Prerequisite: Chemistry Honors and BJS AP criteria**

Chemistry II Honors is an advanced, lab-intensive, and inquiry-based chemistry course. Understanding of the topics introduced in Chemistry Honors is deepened and more advanced topics are studied through participation in the required Advanced Placement Chemistry laboratory exercises.

## **ADVANCED PLACEMENT CHEMISTRY**

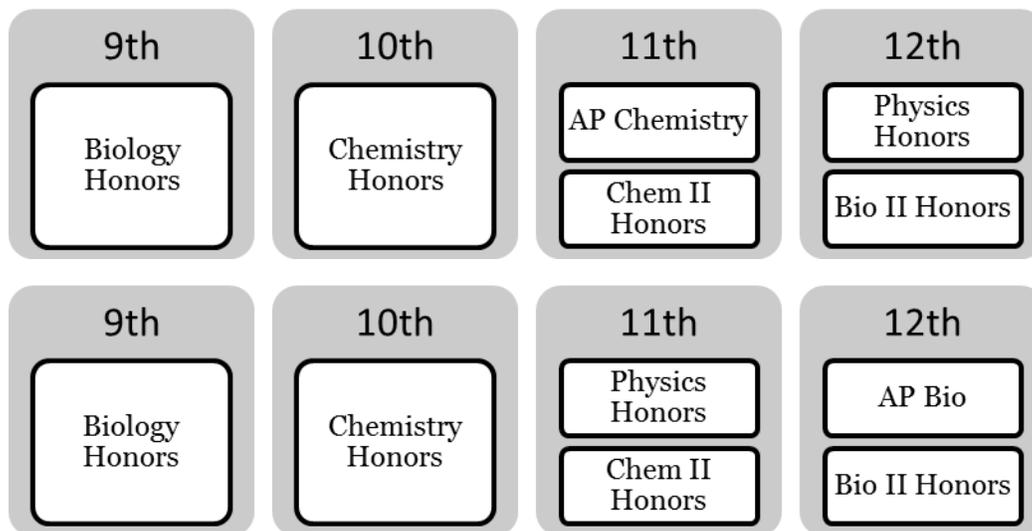
**Prerequisite: Chemistry Honors and BJS AP criteria**

**Co-requisite: Chemistry II Honors**

Advanced Placement Chemistry is the equivalent of a college-level introductory chemistry course. Students are expected to have very good critical thinking and problem solving skills prior to entering the course. This course briefly touches on the topics covered in the high school course, and then emphasizes the following topics in

preparation for the AP Chemistry Exam: reaction kinetics, thermochemistry, solution chemistry, solution and acid/base chemistry (including pH and buffers), equilibrium, nuclear chemistry, and an introduction to organic chemistry.

*NOTE: Our rich science curriculum affords the serious science student the opportunity to earn up to six (6) science credits, with a specialization in either biology or chemistry. The following chart shows two possible science course progressions for the specialist:*



## WORLD LANGUAGE

### **FRENCH I (1 credit)**

This course introduces students to the target language and its culture. The student will develop communication skills in all three modes of communication. An introduction to reading and writing is also included, as well as culture, connections, comparisons, and communities.

### **FRENCH II (1 credit)**

This course reinforces fundamental skills acquired by the students in French I. The student will develop increased listening, speaking, reading, and writing skills as well as a deeper cultural awareness.

### **FRENCH III HONORS (1 credit)**

**Prerequisite: French II with a final average of 85 or better and BJS Honors criteria**

This course is designed to promote oral and written expression. Students read and discuss the French language to strengthen listening and speaking skills. Writing is taught and practiced throughout the year for further refinement and usage of grammatical concepts. The class will often be conducted in French and include cultural discussions.

### **FRENCH IV HONORS (1 credit)**

**Prerequisite: French III Honors and BJS Honors criteria**

This course is designed to enhance proficiency in French through a linguistic, communicative, and cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading, and writing skills. Experiences with French literature are broadened. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

### **SPANISH I (1 credit)**

This course introduces the students to not only the Spanish language, but also to the culture of Spanish-speaking countries. The classes use a variety of resources, including workbooks and websites, to enhance learning and create a variety of written, oral and orally based projects.

### **SPANISH II (1 credit)**

This course continues the work of the first year with more intensive communication in the target language. Studies continue to stress all five of the foreign language standards: communication, culture, communities, comparisons and connections. More original thought and expression are developed through reading, writing and listening exercises.

### **SPANISH III HONORS (1 credit)**

**Prerequisite: Spanish II with a final average of 85 or better and BJS Honors criteria**

This course is designed to promote oral and written expression. Students read and discuss to strengthen listening and speaking skills. Writing is taught and practiced throughout the year for further refinement and usage of grammatical concepts. The class will be conducted mostly in Spanish and with cultural discussions.

### **SPANISH IV HONORS (1 credit)**

**Prerequisite: Spanish III Honors and BJS Honors criteria**

This course will 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. Experiences with Spanish literature are broadened. Cross-cultural understanding is fostered and real-life applications are emphasized throughout the course.

## **PHYSICAL EDUCATION**

### **PERSONAL FITNESS (.5 credit)**

*This is a required class for all incoming freshman students. The class includes one semester of Personal Fitness with a health/life management skills component. In this course, students will learn what is required to maintain and improve their level of physical fitness. The health/life management skills component is designed to give the students an understanding of health and life issues that affect their daily lives.*

***The following PE courses satisfy the additional State of Florida PE requirement:***

**TEAM SPORTS I and II (.5 credit each)**

In these courses, students spend time playing different sports to gain experience in these activities and improve skill level. Both Team Sports classes provide the students with the basic skills needed to play team sports, and also teach the physical and mental benefits of using these activities as part of a physical fitness program. One of the key objectives of the classes is to allow the students to have fun playing these sports.

**BEGINNING WEIGHT TRAINING (BWT) (.5 credit)**

This course enables students to acquire knowledge and skills in weight training, improve muscular strength and endurance, and begin to enhance self-image. Course content includes safety practices, terminology, musculoskeletal system, muscular strength and endurance, theories, concepts and skills, weight training programs, fitness assessment, nutrition, and consumer issues.

**INTERMEDIATE WEIGHT TRAINING (IWT) (.5 credit)**

This course develops intermediate-level skills in weight training, further improves muscular strength and endurance, and further enhances self-image.

**ADVANCED WEIGHT TRAINING (AWT) (.5 credit)**

This course develops advanced skills in weight training, further improves muscular strength and endurance, and further enhances self-image.

**ATHLETIC TRAINING (1 credit)**

**Prerequisite: recommendation of coach or PE faculty**

This course is designed for the serious high school athlete with a desire to gain strength and speed. Student athletes will participate in a long-term athletic development training program.

<b>MUSIC</b>
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*BJS performance groups provide music for community and school functions, present concerts, and participate in festivals and exhibitions. Attendance at afternoon rehearsals is required of all music students to varying degrees, and public performances are an important part of each curriculum. Please contact the music director about working within the schedules of BJS extracurricular activities.*

**INTRODUCTION TO VIOLIN (1 credit)**

This course provides an entry level study of orchestral string performance on the violin. No prior music experience is required. Students learn the basic mechanics of tone production (grip, bowing, pizzicato), learn to read music, develop an understanding of basic music theory, develop ensemble skills, and gain understanding of the general historical ties to the music studied.

## **BAND I (1 credit)**

This course is open to beginning level woodwind, brass, and percussion musicians (other instruments may be allowed with special permission). No prior music experience is required. All students are performing members of the Cardinal Pep Band/Drum Line and Concert Ensemble. Attendance at band camp is expected.

## **BAND II-IV (1 credit)**

**Prerequisite: instructor approval**

These courses include intermediate to advanced woodwind, brass, and percussion musicians (other instruments may be allowed with special permission). All students are performing members of the Cardinal Pep Band/Drum line and concert/jazz ensembles (all combine Band I-IV students). Attendance at band camp is expected.

## **GUITAR I (1 credit)**

This course provides an entry level study of guitar methods and literature. Students will develop basic skills in guitar performance and music theory, including interpretation of traditional musical notation, tablature, and chord charts. Classical repertoire and techniques will be emphasized.

## **CHORUS I (1 credit)**

This course is an entry-level study of choral skills and literature. No previous musical experience is necessary. All chorus students rehearse and perform concert music, musical theatre/glee club selections, and music for Masses. The course is open to all voice parts. Intermediate to advanced level piano players needed as accompanists (special permission required)

## **CHORUS II-IV (1 credit)**

**Prerequisite: instructor approval**

This course provides an intermediate to advanced study of choral skills and literature. All chorus students rehearse and perform concert music, musical theatre/glee club selections, and music for Masses. The course is open to all voice parts. Intermediate to advanced level piano players needed as accompanists (special permission required).

# **ART**

## **ART I: Art & Design I (1 credit)**

This course teaches students how to manipulate the structural elements of art and the organizational principles of design from observation, research, and one's imagination. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on projects and consumption of art materials.

## **ART II: Art and Design II (1 credit)**

**Prerequisite: minimum final grade of 85 in Art I and approval of instructor**

This course teaches students to further develop and refine technical skills through exploring a variety of materials and methods such as sculpture, printmaking,

assemblage, etc. Through the critique process, students evaluate and respond to their own work and that of their peers. This course incorporates hands-on projects and consumption of art materials.

### **ART III Honors: Comprehensive (1 credit)**

**Prerequisite: Art II and BJS Honors Criteria**

This course builds upon one's knowledge of the core elements of art and principles of design through relating to the socio-cultural and historical contexts of art. Combining lecture, discussion and research projects, students continue to develop their understanding of art concepts, criticism and aesthetic analysis, technical and media skills.

### **ART PORTFOLIO HONORS (12<sup>th</sup> Grade) (1 credit)**

**Prerequisite: Minimum final grade of 90 in Art III Honors and approval of instructor**

This course prepares students who are interested in exploring a professional art pathway. Students work in a self-directed environment to develop a portfolio exhibiting a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. In keeping with the rigor expected in an accelerated setting, students' portfolios show personal vision and artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

This course affords students the following opportunities:

- Exploration of art based careers through projects such as digital animation and industrial design.
- Portfolio development, management and presentation
- Development of an artist's statement, biography and resume
- Exhibition of work throughout the community
- Studio concentration and breadth projects
- Critical evaluation through peer critique and aesthetic theory
- Curation of the annual spring student exhibition

### **VISUAL TECHNOLOGY THROUGH YEARBOOK I-III (1 credit)**

**Prerequisite: Minimum final grade of 85 in English and approval of instructor through an application process**

The purpose of this course is the creation and publication of the *Cardinal Yearbook*. The coursework includes basic business practices, journalism, photography, and design pertaining specifically to yearbook production. Students produce animated digital images through the single or combined use of computers, digital cameras, scanners, photo editing software, printers, new media, and emerging technologies. Through graphic design, photography, and journalism-style writing, students will create original layouts to produce the yearbook. As students move through the levels of the course, they may be appointed additional editorial responsibilities.

## **GRAPHIC DESIGN THROUGH NEWSPAPER I-III (1 credit)**

**Prerequisite: Computer Applications, minimum final grade of 85 in English and approval of instructor through an application process**

In this course, students develop basic skills in graphic design through production of the school newspaper, *The Cardinal Chronicles*, semi-monthly issues of *The Snyder Scoop*, and a PowerPoint presentation for Senior Awards Night. In addition to learning layout and design using Adobe InDesign and Photoshop, course objectives also include journalism-style writing, studio photography, and solicitation of business advertisements.

# **TECHNOLOGY**

## **COMPUTER APPLICATIONS (1 credit)**

This course develops knowledge of computers and computer applications, including word processing, spreadsheets, presentation software, databases, desktop publishing, and image editing. Additional topics will include basic computer concepts such as file systems, hardware and software, technology careers, internet use, and security and privacy issues.