



2021-2022

Course Catalog

We embrace.

We engage.

We empower.

SaintJoanAntida.org

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Graduation Requirements for St. Joan Antida High School

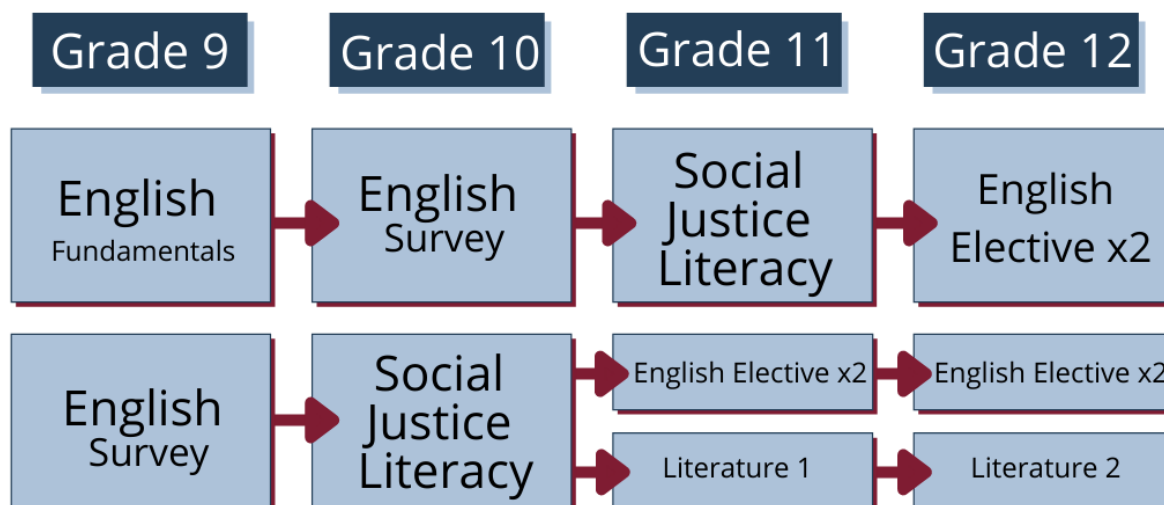
A minimum of 26 credits and 4 years of full-time attendance is required for graduation from SJA. The following courses are **required** of all students:

Subject	Credits	Remarks
English	4.0	One unit of English each year
Mathematics	3.0	Must include Algebra and Geometry
Science	3.0	Must include Biology and Chemistry
History	3.0	Must include US History
Theology	4.0	One unit of Theology each year
World Language	1.0	
Fine Arts	1.0	
Physical Education	1.5	Optimally students would take one semester each year in grades 9, 10, 11
Health	0.5	Optimally students would take in the 10 th grade
Electives	5.0	Electives of the student's choice is required over 4 years of school.

Note:

- Courses are selected for the entire school year, unless otherwise indicated. Corrections and/or program adjustments, if possible, are made at the beginning of each semester. Unforeseen programming problems should be brought to the attention of the school counseling department as early as possible.
- There are no half-day programs at St. Joan Antida High School, nor is there early graduation. All students are required to select a minimum of 8.0 credits each school year.

English Department Course Sequence



English Fundamentals

1.0 Credit

Prerequisites: None

This course focuses on equipping students with the fundamental skills necessary for success in high school writing. The course begins with a focus on grammar and expository writing skills and later incorporates short fiction and nonfiction texts.

English Survey

1.0 Credit

Prerequisites: None (can be taken after English Fundamentals)

English Survey begins with an introductory unit to prepare students for the types of reading, writing, and related skills necessary for success in upper-level English classes. The rest of the course is designed as a literary genre study. During the year, students will study short fiction, poetry, a Shakespearean drama, and a novel. The course's final unit incorporates both a study of nonfiction writing and work on public speaking skills.

Social Justice Literacy

1.0 Credit

Prerequisites: English Survey

Social Justice Literacy is designed primarily as a thematic study. The course begins with an introduction of social justice topics after which we read a novel on one such topic. The first semester culminates in a major research paper. The second semester of the course includes a Shakespearean drama and a comparative literature unit with two novels.

Literature I

1.0 Credit

Prerequisites: English Survey and Social Justice literacy

Literature I is designed as a world literature course that teaches students to evaluate texts according to their cultural, social, and historical context. A number of different types of texts are covered including novels, a graphic novel, nonfiction, plays, and poetry.

Literature II

1.0 Credit

Prerequisites: English Survey, Social Justice Literacy, and Literature I

Literature II is designed as an extension of the world literature study first conducted in Literature I. Students will continue to evaluate texts based on context and values while also engaging in literary criticism. The course features African, American, and British novels as well as the speeches of Martin Luther King and poetry of Gwendolyn Brooks.

English Electives

Creative Writing

0.5 credit

Prerequisites: English Survey and Social Justice Literacy

In this semester long class, you'll be able to try your hand at poetry, short fiction, and creative nonfiction. You will then be able to develop a final project based on the type of writing you decide is your strongest. In addition, you'll get tips from a variety of published authors.

Literature of Protest

0.5 credits

Prerequisites: English Survey and Social Justice Literacy

Literature has always been a way to speak out about what is wrong in the world and suggest solutions. In this semester long class, we will look at how the authors of speeches (e.g. Sojourner Truth, Malcolm X), essayists (e.g. Audre Lorde, Roxanne Gay) and musicians (e.g. Bob Dylan, Kendrick Lamar) have used their voices to address issues of social justice. Students will also write their own opinion pieces on a variety of topics.

Black Literature

0.5 credits

Prerequisites: English Survey and Social Justice Literacy

In this semester long course, students will study the literature of authors of African descent throughout the world. We will look at how both traditional African storytelling and colonialism impacted contemporary fiction and poetry.

Great Books

0.5 credits

Prerequisites: English Survey and Social Justice Literacy

In this semester long elective English course designed to introduce students to well-known literature, students will be assigned titles that are considered both "classic" and contemporary. They will be expected to compare the significance of the pieces from multiple cultural perspectives. The class will also contain a creative writing component in which students will be given the opportunity to express, develop, and refine their individual creative voices. The goal of this class is to allow students to drive discussions and the overall learning experience in a manner which is similar to that of an actual college course.

Media Studies

0.5 credits

Prerequisites: English Survey and Social Justice Literacy

Media Studies is a semester long class and is a field of study that deals with the content, history, and effects of various media; in particular, the mass media (think about the news). We will be studying the history of communication and media, the ethics of journalism, and the lasting impacts that media has on our culture and society.

Public Speaking

0.5 credits

Prerequisites: English Survey and Social Justice Literacy

This class is a course designed for students to demonstrate an understanding and application of the techniques used in public speaking circumstances. Students will research, organize, and prepare public speaking assignments. Assessments include preparing speeches to entertain, inform, demonstrate, and persuade. All students are expected to present in front of class.

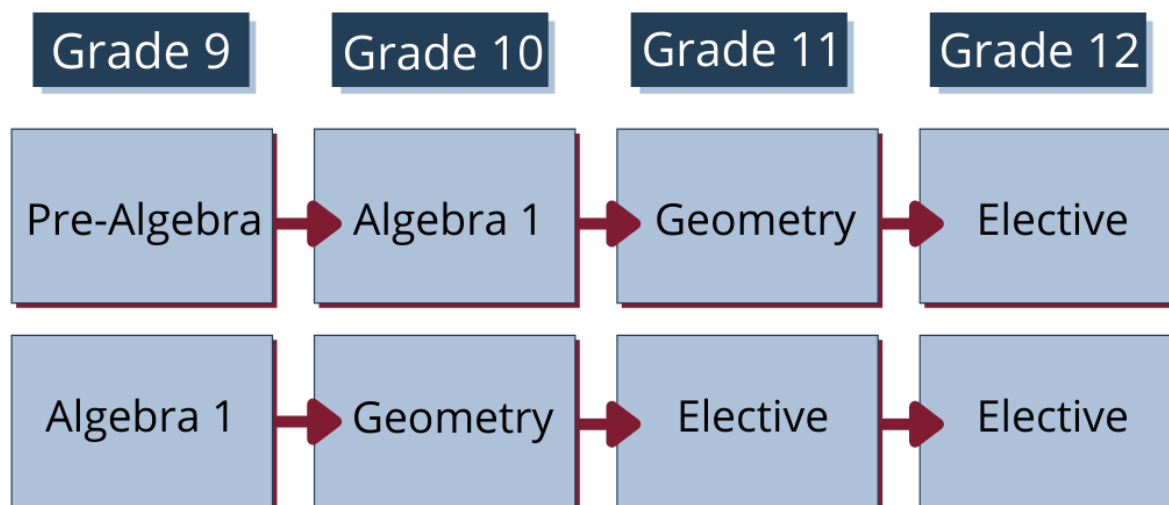
Drama

0.5 credits

Prerequisites: English Survey and Social Justice Literacy

In this introductory class, students will gain the confidence to practice the elements of drama. These elements include vocal work, body movement and awareness, script analysis, theatre history, improvisation, and performance. All participants will memorize, analyze, and perform multiple scripted works.

Math Department Course Sequence



Pre-Algebra

1.0 credit

Placement: *Placement based on grade school recommendation and Star Test Results.*

This course serves as a bridge between elementary mathematics and Algebra 1. This course will build a foundation of algebraic concepts through the use of technology, manipulatives, problem solving, and cooperative learning. Students will learn to utilize the graphing calculator in appropriate situations. This class will review the basic operations of arithmetic on whole numbers, fractions and decimals. These operations will be used in dealing with ratio, proportions, percent, simple geometry and algebra. Problem solving, reasoning, estimation, measurement, and connections between math and everyday applications will be emphasized throughout Pre-Algebra. This course is designed to prepare students for Algebra 1. Students in this course should also enroll in Math Enrichment.

Algebra 1

1.0 credit

Placement: *Placement based on grade school recommendation and Star Test Results.*

The main concepts of Algebra are covered in this course integrating the Common Core State Standards in Mathematics. This course is designed to give students the requisite skills that provide a foundation for all future mathematics courses. Students will explore writing and solving linear equations, exponents, quadratic equations, polynomials, factoring, graphing and solving linear inequalities, and functions. This is done concurrently with a basic introduction to 2 and 3-Dimensional Geometry. Students will learn to utilize the graphing calculator in appropriate situations. Emphasis is placed on problem solving, critical thinking skills and application principles. Students must bring a calculator to class daily. A TI-84 Plus Silver Edition or TI-84 Plus CE calculator is recommended for this course, but is not mandatory.

Geometry

1.0 credit

Prerequisite: Successful completion of Algebra 1 or 9th Grade Star Test Score.

This course in Euclidean Geometry develops both deductive and inductive reasoning skills. This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions, while reinforcing related Algebra skills encountered the previous year. Students will use visualization and analysis in order to make conjectures. It includes the study of angle relationships, parallel and perpendicular lines, right triangle trigonometry, quadrilaterals, area, surface area, volume, and circles. Geometric relationships are used to explore and model real world applications. In preparation for standardized testing, algebraic skills are reviewed and reinforced. Students must bring a calculator to class daily. A TI-84 Plus Silver Edition or TI-84 Plus CE calculator is recommended for this course, but is not mandatory.

Business Mathematics

1.0 credit

Prerequisites: Successful completion of Algebra 1 and Geometry.

An exciting new math course where students will learn to connect previous math concepts to what is going on in their lives. Students will understand finance in mathematical terms and gain confidence in their ability to manage money. The six financial umbrellas are investing, banking, credit, income taxes, insurance, and household budgeting. This course introduces students to the mathematical concepts and applications necessary for successful business careers. Topics will include business modeling, income taxes, budget preparation, automobile ownership, consumer credit, banking, and stock

market analysis. Group discussions and inquiry are major focuses in this course. You will learn how to rely on your logical thinking, rather than on memorization. Students must bring a calculator to class daily. A TI-84 Plus Silver Edition or TI-84 Plus CE calculator is recommended for this course, but is not mandatory.

Algebra II Trigonometry *

1.0 credit

Prerequisites: Successful completion of Algebra 1 with a grade of "B" or higher AND/OR a teacher signature. Students can dual-enroll with Geometry if interested in Calculus.

Course is designed for students who plan to maximize the amount of mathematics studied in high school. Students will study, in greater depth, quadratic functions, graphical analysis, complex numbers, rational expressions, exponential and logarithmic functions. Students will investigate the 6 trigonometric functions as they relate to the unit circle using radians and degrees to simplify trigonometric expressions, solve equations and applications, and graph both basic and translated trigonometric functions. Course is designed to prepare students for Precalculus. Problem solving skills will be emphasized through real world applications that require multiple advanced mathematical concepts. Students will use the graphing calculator extensively as a tool for modeling and analysis. A TI-84 Plus Silver Edition or TI-84 Plus CE calculator is recommended for this course, but is not mandatory.

Statistics *

1.0 credit

Prerequisites: Successful completion of Algebra 1 and Geometry.

An introductory course in statistics intended for students in a wide variety of areas of study such as Engineering, Sociology, Business, and Health Sciences. Through group discussion, technology integration, and inquiry, students will acquire skills to analyze everyday statistics and understand how data impacts our perception of the world. Topics discussed include displaying and describing data, the normal curve, regression, probability, statistical inference, confidence intervals, and hypothesis tests, with applications in the real world. The use of technology and applications are integral parts of this course and students should have a TI-84 Plus Silver Edition or TI-84 Plus CE calculator is recommended for this course, but is not mandatory.

Pre-Calculus *

1.0 credit

Prerequisites: Successful completion of Algebra II Trigonometry with a grade of "B" or higher AND/OR a teacher signature.

A course for students intending on pursuing a mathematically based career. As such, it requires a high degree of academic maturity from its learners. Taught at the level of a freshman college algebra course, it includes an in-depth exploration of common functions (polynomial, linear, exponential, logarithmic, and trigonometric), complex numbers, circular functions, probability, and introduces the concept of limits. Real world applications of these functions are studied in conjunction with problem solving techniques. The use of technology is an integral part of this course. Students will use graphing calculators for discovery and to illustrate their findings. A

TI-84 Plus Silver Edition or TI-84 Plus CE calculator is recommended for this course, but is not mandatory. Course is designed to prepare students for Calculus their senior year.

Calculus *

1.0 credit

Prerequisites: Successful completion of PreCalculus with a grade of "C" or higher AND/OR a teacher signature.

A course for highly motivated and able students intending on pursuing a mathematically based career. Taught at the level of a college course, it is designed to give students an overview of Calculus topics such as limits, continuity, derivatives, anti-derivatives, integrals and differential equations. Students will explore calculus-oriented applications from a variety of fields including physics, health sciences, and business. The material in this course is very challenging and may require an increased amount of time spent on homework. Students will use graphing calculators for discovery and to illustrate their findings. The use of technology and applications are integral parts of this course and students should have a TI-84 Plus Silver Edition or TI-84 Plus CE calculator, but it is not mandatory.

Coding

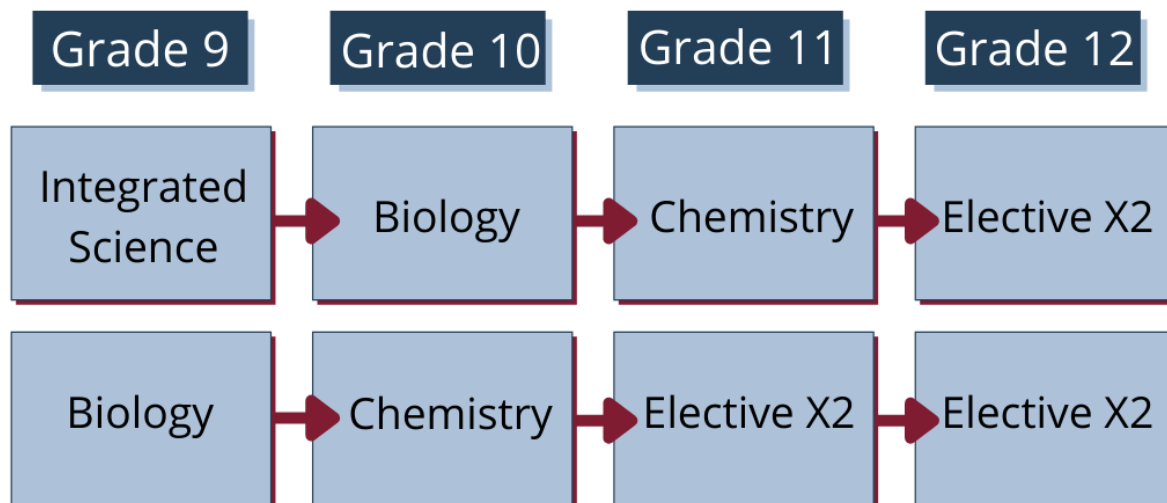
1.0 credit

Prerequisites: Successful completion of Algebra 1 and Geometry.

Computer Science and computational problem solving are fundamental skills for engaging the 21st-century marketplace of ideas and economies. The course provides its own browser-based Integrated Development Environment that the students will use to create and run their programs.

*These courses would be considered higher-level math by most colleges and universities.

Science Department Course Sequence



Integrated Science

1.0 credit

Prerequisites: None

Integrated Science focuses on the development of fundamental science skills such as measurement, lab techniques, and data analysis. Each marking period will look at a different area of physical, earth and space science, and life science. Concepts studied are reinforced with labs and other field experiences.

Biology

1.0 Credit

Prerequisites: None

Biology is a laboratory-based course designed to introduce students to the science processes, skills, and understandings related to a wide range of biological topics. During this course, students will learn to identify the basic questions and concepts that guide scientific investigation and to design and conduct their own investigations. Important skills to develop in this course include microscopy, graphing & measurement, identification of research questions, making connections and the ability to be a self-directed learner.

Chemistry

1.0 credit

Prerequisites: Biology and Algebra

This course is designed to engage students in a variety of science practices to deepen their understanding of chemistry in their everyday lives. Throughout the course students will perform laboratory experiments and other activities to reinforce their observation, data analysis, modeling and communication skills related to the big ideas of chemistry: structure, properties and interactions of matter.

Science Electives:

Astronomy

0.5 credit

Prerequisites: Jr. or Sr. standing or permission of instructor

Explore your place in the universe by looking to the stars. In this course we will study theories and take a look at how technology has expanded our understanding of the universe. During this course, we will analyze data, create models, and have stellar experiences.

Ecology

0.5 Credit

Prerequisite - Jr. or Sr. standing or permission of instructor

Ecology is a science that is heavily focused on getting outdoors to collect data and samples that can serve to help us understand the health of an ecosystem. Our “laboratory” will include visits to Lake Michigan, the Milwaukee, Menomonee and KK rivers, and the neighborhood surrounding SJA. We will maintain aquariums and terrariums under different conditions to model nature in a classroom setting. We’ll continue SJAs participation in a regional Testing the Waters program and take part in the annual International Coastal Clean-up held in September each year.

Food Science

0.5 credit

Prerequisite - Jr. or Sr. standing or permission of instructor

This course will give students the opportunity to explore the science of food preparation and processing. Labs will compare a variety of food products and explore career opportunities in the food science field. The final lab project will allow the students to solve a food analysis mystery with the skills they have developed. This course would be helpful for careers such as dietician, food inspector or even if you have a family member with special dietary needs.

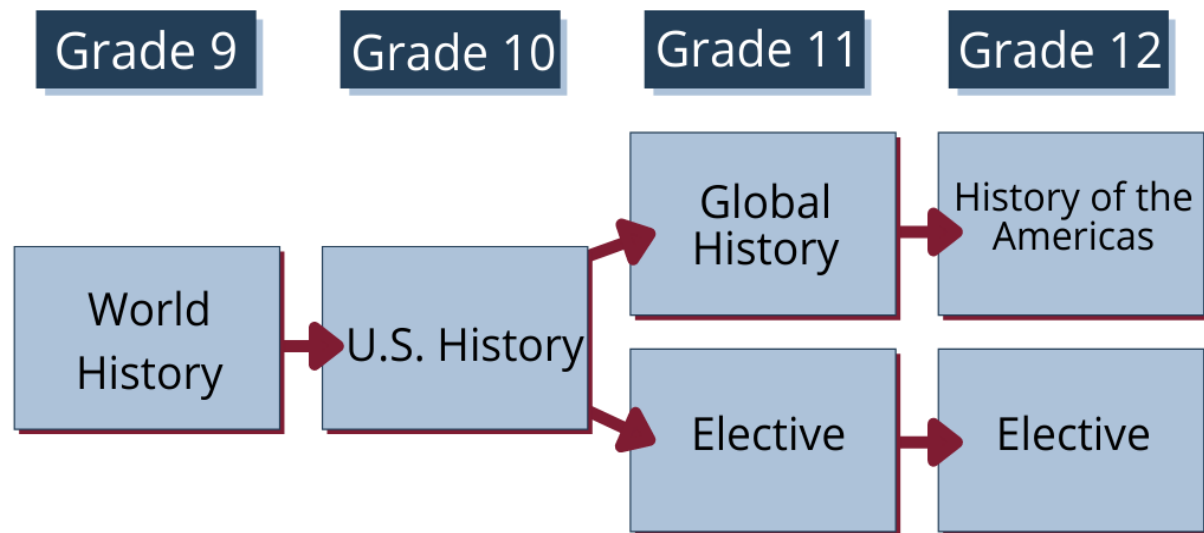
Forensic Science

0.5 credit

Prerequisite - Jr. or Sr. standing or permission of instructor

Interested in crime investigation? This course will examine key topics in forensic science while applying scientific processes to forensic analysis. You will learn the basic procedures of crime scene investigation including the analysis of fingerprints, hair and fibers, ballistics, arson, blood spatter, DNA, and footprints. The final course project will be a crime scene scenario for the students to solve.

History Department Course Sequence



World History **1.0 credit**

Prerequisites: None

This is a survey course of Western and Eastern Civilization from the 15th century to the present. Students will compare and contrast the developments of modern revolutions and nationalist movements including: the French Revolution, Russian Revolution, Chinese Revolution, as well as the rise of nationalism in Germany and Italy. Students will also explore the roots of colonialism and imperialism in Africa, as well as the history of modern conflicts in the Middle East. In order to ensure that all students obtain civic/economic competency, special emphasis will be placed on the evolution of the relationship between the governmental and economic systems. Students will observe how scarcity, supply and demand, and the search for markets affect the growth or decline of a civilization or historical period, as well as their function in contemporary times. This course also provides students fundamental skills like document analysis and writing skills.

United States History **1.0 credit**

Prerequisites: None

This is a rigorous United States History and Government course designed to challenge students to move beyond memorization of facts and analyze the relationship between historical events in the development of our country. This course develops civics and economic competency in students, as well as document analysis and writing skills. Major topics include American independence movements, nation building and the challenges that come from forming new nations, the United States Civil War, the development of modern nations in the Americas, the emergence of the Americas in global affairs and the Great Depression. This class also focuses on the formation of the U.S. Government including: state, local and national government, the U.S. Constitution, political parties, as well as foreign and domestic policy.

Global History

1.0 credit

Prerequisite: United States History (or equivalent)

Global History is a survey of modern world history, with a strong emphasis on Europe and that continent's vital impact on the rest of the world in the modern era. This course traces a chronology of European events from 1900 to the present, with a focus on 20th century history. Within that chronology major themes of history are explored to prepared students for Higher Level History class and the HL History exam. The first major theme includes the causes, practices and effects of 20th Century wars like World War I, World War II and various other conflicts from around the world. The second major theme is the history and impact of the Cold War, including the collapse of Communism in Russia. The third major theme is research in history. Students will continue to focus on document analysis and writing skills.

History of the Americas

1.0 credit

Prerequisite: Global History

History of the Americas is required course for students taking the higher level History examination. It will incorporate the American experience (Canada, U.S. and Latin America) into the picture of modern world history, continuing with the study of historical themes established in the Global History course. Major emphasis will be on the Cold War, Civil Rights and social movements in the Americas post-1945, and development of democracy in the Western Hemisphere. Students will focus on document analysis and writing skills. Topics may carry over from Global History.

Law and Liberty

1.0 credit

Prerequisite: United States History (or equivalent)

This year-long course gives students a broad overview of the court system, but also prepares them for lives as upstanding citizens. Students will

receive a first-hand look at the way our legal system works by analyzing real-life court cases. In the spring, students will work with a law student from Marquette University to prepare for a Mock Trial competition against other high schools. Students enrolled in this course will experience a high exposure to external community partners and public speaking opportunities. Students must be prepared to commit to those opportunities as well as some evening/weekend commitments outside of course hours.

Sociology

1.0 credit

Prerequisite: United States History (or equivalent)

Sociology is the study of society and how we see the world through the eyes of others. Anyone can influence the society of the world by their actions in local, national and even global contexts. This semester-long course will expose students to the basics of what it means to be a social scientist. Successful students in this course are open-minded, willing to be reflective, and active observers of the world around them. Students will study theoretical sociological concepts and apply them to the society in which they live each day.

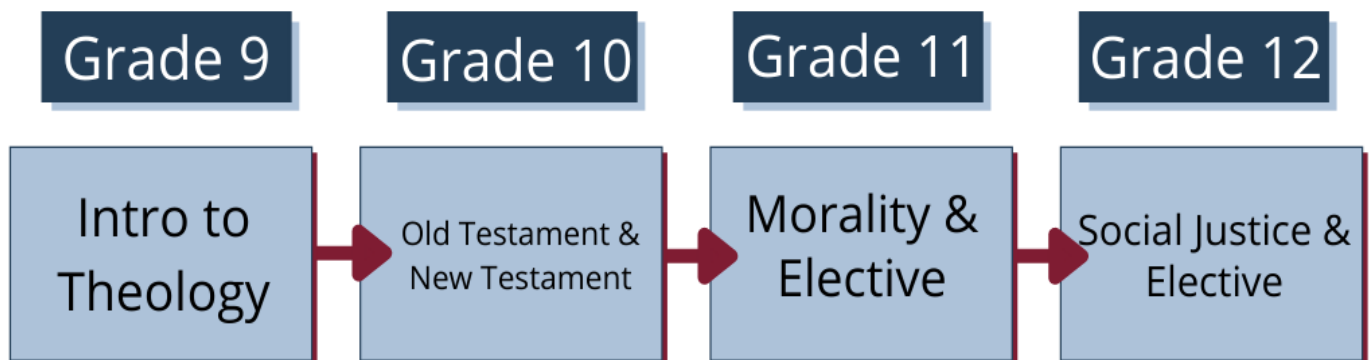
Psychology

1.0 credit

Prerequisite: United States History (or equivalent)

Why do human beings think and act the way they do? Why do we treat each other one way or another? Students seeking to understand their own behaviors and those of others, will explore those questions in this semester-long course. As an introduction to the field of psychology, this course includes consideration of psychological principles, terminology, major theories, careers, and methods of experimentation.

Theology Department Course Sequence



Intro to Theology

0.5 credit

Prerequisites: None

Students explore specific and vital ways to answer God's call to growth in maturity. It looks at the questions and concerns of young adolescents regarding growth in faith and a belief in God. The students are helped to deal with the many changing emotions they experience at this time of their lives. An emphasis on character, responsibility and freedom are connected to how one is helped through the teachings and practices of Jesus and the Church. The course is designed to better understand God's revelation in each individual's life and explores beliefs and practices at the heart of Christianity. Christian theology from the perspective or the lens of Catholic teaching. At the same time, it encourages students to get a deeper understanding of their own faith tradition in dialogue with Catholic Christian thought. This class enables students to consider what it means to be a Christian and helps them integrate a sense of their own identity as believing Christians.

Old Testament

0.5 credit

Prerequisites: at least pass one semester of Intro to Theology

Fall semester concentrates on Hebrew Scripture (Old Testament) The objective is to help students explore Hebrew Scripture, as a record of the people's experience of God's revelation to them. Students will develop a working knowledge of Scripture, its stories and their meaning; the sources used; and what it means for us today. They will do this through the use of biblical scholarship.

New Testament

0.5 credit

Prerequisites: at least pass one semester of Intro to Theology

The Spring Semester continues the study of Salvation History as revealed in Christian Scripture – (New Testament). The objective is help students explore Christian Scripture; to understand its historical context; the connection with the Hebrew Scripture and the role of evangelists in creating and editing their

Gospels. Students will explore how each Gospel portrays Jesus in a unique way. They will learn about the incarnation, the life, the message and call of Jesus. Students will reflect on its meaning in their own lives and what it means to live a Christian life. In order to explore the themes in depth, students will learn about and how to use Biblical Criticism.

Morality

0.5 credit

Prerequisites: Enrolled as a Junior

This course is all about what it means to become morally mature. The class will look at Christian moral principles using the Bible and Church teachings as a basis. The class will focus on the development of virtue and character. The class also seeks to explore how values, conscience, and attitudes are formed and to develop critical thinking about what society and today's culture suggests regarding moral principles. This class encourages discussion as well as self-reflection.

Social Justice

0.5 credit

Prerequisites: Enrolled as a Senior

This course looks at the Church's teaching on Social Justice based on the Gospel Values. It begins with the basic understanding of our human dignity which comes from the fact that we each are created in the image and likeness of God. It explores the teaching key themes: Respect for Life. Family and Community; Rights and Responsibilities, Option for the Poor; Dignity of Work and Workers; Solidarity and Stewardship of the Earth. Social Justice approaches areas in today's society that are not consistent with the biblical idea of justice and the Gospel values. This study will explore alternative ways to oppressive or unjust situations. It will explore what our responsibility is; and what positive actions can

we take to promote justice. The class will promote study and discussion on these topics. Students will be encouraged to be sure they have accurate information and have an understanding of the broader issues involved. Student outreach planning and project(s) are required.

Electives (Juniors and Seniors)

Christian Lifestyle

0.5 credit

Prerequisite: Intro to Theology / Old and New Testament

In this semester long course, we will explore living a Christian Lifestyle. What is a lifestyle? What goes into making or choosing a lifestyle? What is a healthy lifestyle? Is it something you choose or something that just happens to you? What makes up a lifestyle? We will explore issues of vocation, friendship and relationship, sexuality, community, spirituality and prayer; discernment, identity, personal power, the Dignity of Work: communication; empowerment; having a Philosophy of Life; lifelong learning; – Where does money fit in? What does it mean to be fully alive? What is the difference between freedom and license? What does it mean to live a life in Christ? This is a class to explore a student's own possibilities and to reflect on shaping her future; living in the present; living according to what each student says she believes.

Death to Life

0.5 credit

Prerequisite: Intro to Theology / Old and New Testament

Guided by Church teachings about life after death, this course seeks to unveil the mystery behind the afterlife and to take a deeper look into God's promise of eternal life. We will explore how our own experiences of death have affected how we view both living and dying. With a heavy focus on personal reflection, we encounter the question: How does one live a life that prepares us for the realities of death?

Religions of the World

0.5 credit

Prerequisite: Intro to Theology / Old and New Testament

This survey course seeks to introduce an international awareness and understanding of religious traditions and teachings in the following religions: Christianity, Judaism, Islam, Hinduism, Buddhism, and Sikhism. Students will understand the religious and spiritual beliefs of these religions and develop a global understanding and appreciation of how religion orders and affects people's lives. Projects will be designed that help students understand their own faith and religious traditions in comparison to other religions practices.

Art in Faith

0.5 credit

Prerequisite: Intro to Theology / Old and New Testament

This course examines how various art forms have been influenced by faith and how faith have been reflected in those art forms. We will explore how to express our faith through these art forms as well as creating art where appropriate.

Women of the Bible

0.5 credit

Prerequisite: Intro to Theology / Old and New Testament

Women of the Bible will explore the lives of the women who persevered to help develop and shape the faith that we celebrate today. We will look at some of the popular stories from the point of view of the women as well as looking at stories featuring women of the scriptures to learn the lessons that will help us to become the strong, powerful, faith filled women that they showed us how to be.

World Language

Spanish 1

1.0 Credit

Designed for students who have never had a high school Spanish class before. This class focuses on learning basic Spanish, specifically communicating in the present tense. We have units about activities, school, food, and family.

Spanish 2

1.0 Credit

Designed for students who have had at least 1 year of Spanish in high school, or who speak Spanish at home but are not strong in writing. This class focuses on increasing vocabulary and learning about the past tense. We have units about travel and vacations, sports and health, shopping, legends, and history.

Spanish 3

1.0 Credit

For students who have passed Spanish 2 or who are bilingual at home. We will learn about past, future and conditional tenses and start our dive into the subjunctive mood. We will also look at the culture of several Latin American countries and Spain.

Spanish 4

1.0 Credit

For students who have passed Spanish 3. We will learn more about subjunctive and dive into the culture of different South American countries. We will also read a play in Spanish.

Spanish 5

1.0 Credit

For students who have passed Spanish 4. We will explore issues in the Spanish-speaking world on topics such as health, media, colonization, and human rights. We will also read several mystery novels in Spanish.

Spanish 6

1.0 Credit

For students who have passed Spanish 5. We will explore Spanish literature both in novel and play forms and take a dive into topics such as art, Latin American politics in the 1900s, celebrations, and the role of women in history and in modern times.

Fine Arts

Art Foundations

0.5 credits

Prerequisites: None

A basic visual arts course concentrating on the Seven Elements of Art. This course is required before admittance into any Visual Art class.

This course includes all mediums involved in: Drawing, Painting, Printmaking, Sculpture, & Ceramics. Students will sample a variety of techniques as they learn to develop their own style in creating art.

Drawing and Painting 1

0.5 credits

Prerequisites: Art Foundations

A second-level visual arts course concentrating on drawing and painting skills through a variety of themes and styles. This course explores many mediums including ink, charcoal, ebony pencil, pastel, watercolor, and acrylic paint.

Drawing and Painting 2

0.5 credits

Prerequisites: Art Foundations and Drawing and Painting 1

Part TWO of the second-level visual arts course concentrating on drawing and painting skills through a variety of themes and styles. This course explores many mediums including ink, charcoal, ebony pencil, pastel, watercolor, and acrylic paint.

Printmaking & Mixed Media Art 1

0.5 credits

Prerequisites: Art Foundations

A second-level visual arts course exploring a variety of printmaking techniques with a heavy focus on relief printing. Students will learn the many uses printmaking may serve in a visual art setting. Students will experiment with different printing surfaces such as paper, fabric, fibers, and tile. Students will experiment with mixed materials when creating their works. We will examine digital art, collage, painting, drawing, textile, embroidery, and recycled materials.

Printmaking & Mixed Media Art 2

0.5 credits

Prerequisites: Art Foundations and Printmaking & Mixed Media 1

Part TWO of second-level visual arts course exploring a variety of printmaking techniques with a heavy focus on relief printing. Students will learn the many uses printmaking may serve in a visual art setting. Students will experiment with different printing surfaces such as paper, fabric, fibers, and tile. Students will experiment with mixed materials when creating their works. We will examine digital art, collage, painting, drawing, textile, embroidery, and recycled materials.

Ceramics 1

0.5 credits

Prerequisites: Art Foundations

A second-level visual arts course where students create hand-built pottery and sculpted forms. Students will experiment with surface textures, glazes, paints, and other mediums to finish their pieces.

Ceramics 2

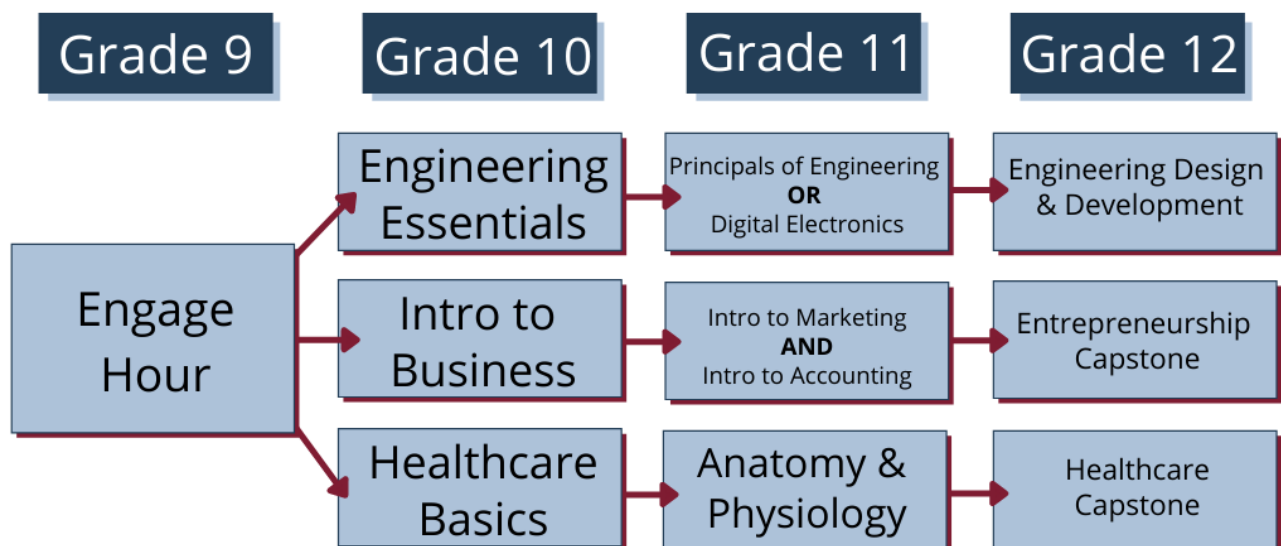
0.5 credits

Prerequisites: Art Foundations and Ceramics 1

Part TWO of the second-level visual arts course where students create hand-built pottery and sculpted forms. Students will experiment with surface textures, glazes, paints, and other mediums to finish their pieces. Students will also have the opportunity to experiment with the electric potter's wheel to create vessel forms.

ANY SJA SENIOR WHO HAS COMPLETED 3 OR MORE VISUAL ART COURSES WILL BE ELIGIBLE TO SHOWCASE THEIR PORTFOLIO IN THE SENIOR EXHIBITION SHOW SPRING OF THEIR SENIOR YEAR.

Career Pathway Electives



Engage Hour

1.0 Credit

Prerequisite: none

Description goes here.

Introduction to Business

0.5 credit

Prerequisites: Engage Hour

Ever wonder what is needed to make a business successful? This semester-long course will expose the student to the basic functions of the business world. Topics will include management, job hunting skills, marketing, personal finance, accounting, sales and ethical hurdles that will challenge students from business situations.

Intro to Accounting

0.5 credit

Prerequisites: Intro to Business

Prerequisites: Intro to Business

Our introduction to accounting class will develop our students' skills to discern between wants and needs, create a budget, setting

financial goals, understanding and applying financial statements (balance sheets, income statements, cash flow statements, and break-even analysis), generally accepted accounting practices, ledger statements, and personal investments and tax ramifications.

Introduction to Marketing

0.5 credit

Prerequisites: Intro to Business

How do businesses get people to buy the items they are selling? This semester-long course will introduce the student to the idea of being a customer versus a consumer. It will include topics such as purchasing, marketing strategies, marketing mix components, sales, and other topics of student interest relating to marketing concepts. Marketing ethical dilemmas will challenge the student.

Business Pathway Capstone

1.0 Credit

Prerequisites: Senior standing only

The knowledge and skills students acquire throughout their pathway courses

come together in this capstone course as they identify an issue in their field and then research, design, and test a solution, ultimately presenting their solution to a panel of professionals.

Engineering Essentials (EE)

1.0 credit

NEW COURSE TO BE OFFERED FALL 2022

Learn how you can improve the world with Engineering Essentials! Explore how engineers make a difference and improve lives, while using modern engineering tools, such as geographic information systems, 3-D solid modeling software, and prototyping equipment. Work on your own and as part of a team to develop solutions to community and global challenges that the next generation of engineers will face.

Principals of Engineering (POE)

1.0 credit

Prerequisite: previous PLTW course experience

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and motion. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. What type of engineer or engineering technologist would you like to be?

Digital Electronics (DE)

1.0 credit

Prerequisite: previous PLTW course experience or permission of instructor

Open doors to understanding electronics and foundations in circuit design. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high-definition televisions, etc. Students learn the digital circuit design process to create circuits and present solutions that can improve people's lives. Learn how advancements in foundational electronic components and digital circuit design processes have transformed the world around you.

Engineering Design and Development (EDD)

1.0 credit

Prerequisite: previous PLTW course experience or permission of instructor

The knowledge and skills students acquire throughout PLTW Engineering come together in this capstone course as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, ready to take on any post-secondary program or career.

Healthcare Basics

0.5 credit

Prerequisite - Jr. or Sr. standing or permission of instructor

During this course students will gain knowledge and experience in key skills relevant within healthcare settings, workplaces, and our personal lives. Students will become first aid and CPR certified, learn how to use automated external defibrillators (AED), identify and minimize risks associated infections transmitted by blood and airborne pathogens (viruses and bacteria), and universal isolation precautions used in healthcare systems when working potentially infectious body fluids.

Anatomy and Physiology

1.0 Credit

Prerequisite - Jr. or Sr. standing or permission of instructor

This full year course will provide a firm foundation for students considering a career in the medical or veterinary fields. Lectures, laboratories, and group work use models, and dissection of specimens to present the cardiovascular, respiratory, digestive, urinary, reproductive, nervous, immune, musculoskeletal and integumentary systems. Students also conduct analysis of standard medical test results including ECG, blood work, urinalysis, and blood pressure.

Healthcare Pathway Capstone

1.0 Credit

Prerequisites: Senior standing only

The knowledge and skills students acquire throughout their pathway courses come together in this capstone course as they identify an issue in their field and then research, design, and test a solution, ultimately presenting their solution to a panel of professionals.

Physical Education

Exercise, Fitness, and Wellness

0.5 credit

Prerequisites: None

This SJA Physical Education course offers the opportunity for the students to become knowledgeable and participate in a variety of activities which are Fitness-based. Units of instruction will include various field sports, ball sports, personal fitness and introduction to SJA's Weight Training and Conditioning area for cardio and strength training machines and stations. Topics also introduced in class will also focus on basic nutrition, including nutrients needed by the body and the digestive system. The class is geared towards the female student who is interested in exercise, fitness and personal improvement both physically, as well as mentally.

Sports and Games Activity

0.5 credit

Prerequisites: None

This Physical Education course will be a *"General Physical Education class"* which consists of traditional physical education activity units. The focus in these units will include, but are not limited to: Badminton, Basketball, Floor Hockey, Flag Football, Golf, Pickleball, Speedball, Soccer, Tennis, Track and Field, Ultimate games, Volleyball and Walking/Jogging. The daily schedule for the *Sports and Games Activity* class includes aerobic activities involving the team sports, games, and/or work-out videos, as well as strength and flexibility training for muscular improvement.

Strength Training and Conditioning

0.5 credit

Prerequisites: None

This SJA Physical Education course on Strength Training and Conditioning offers the opportunity for the students to learn and become aware of their own muscular development, strength, flexibility, physical conditioning, as well as the proper diet and nutrition needed by the girls. Basic weightlifting theory and techniques will be covered. Students will be required to participate in comprehensive strength training and conditioning workout programs and the girls will even learn to develop their own personal workout and fitness program(s). Ultimately, this SJA Physical Education course is designed for the female student who is more interested in, and more serious about learning and improving their own use of and knowledge of Strength Training.

Healthy Living

0.5 credit

Prerequisites: None

This course encourages students to make responsible, respectful, informed and capable decisions about topics that affect the wellbeing of themselves and others. It focuses on developing skills, habits and attitudes to maintain a healthy lifestyle and applying lessons learned to physical fitness. Through active participation and real-world simulations, the course aims to demonstrate firsthand the value of contentious lifestyle management.



Plan your path

A minimum of 26 credits is required to graduate.
Check the catalog for course requirements.

Freshwoman (8 Credits)

- | | | |
|---|---|---|
| <input type="checkbox"/> English Fundamentals | <input type="checkbox"/> Integrated Science | <input type="checkbox"/> World Language |
| -or- | -or- | |
| <input type="checkbox"/> English Survey | <input type="checkbox"/> Biology | <input type="checkbox"/> Art Foundations |
| <input type="checkbox"/> Pre Algebra | <input type="checkbox"/> World History | <input type="checkbox"/> Physical Education _____ |
| -or- | | |
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> Intro to Theology | <input type="checkbox"/> Engage Hour |

Sophomore (8 Credits)

- | | | |
|--|---|---|
| <input type="checkbox"/> Social Justice & Comparative Literature | <input type="checkbox"/> World Language | <input type="checkbox"/> Old Testament |
| -or- | | -and- |
| <input type="checkbox"/> English Survey | <input type="checkbox"/> Chemistry | <input type="checkbox"/> New Testament |
| | -or- | |
| <input type="checkbox"/> Geometry | <input type="checkbox"/> Biology | <input type="checkbox"/> Fine Arts _____ |
| -or- | | |
| <input type="checkbox"/> Algebra 1 | <input type="checkbox"/> U.S. History | <input type="checkbox"/> Physical Education _____ |

Choose one

- | | | |
|---|--|--|
| <input type="checkbox"/> Engineering Essentials | <input type="checkbox"/> Intro to Business | <input type="checkbox"/> Healthcare Basics |
|---|--|--|

Junior (8 Credits)

- | | | |
|--|--|---|
| <input type="checkbox"/> Social Justice & Comparative Literature | <input type="checkbox"/> Geometry | <input type="checkbox"/> Morality |
| -or- | -or- | -and- |
| <input type="checkbox"/> English Elective x2 | <input type="checkbox"/> Math Elective | <input type="checkbox"/> Theology Elective |
| -or- | | |
| <input type="checkbox"/> Literature 1 | <input type="checkbox"/> Chemistry | <input type="checkbox"/> Fine Arts _____ |
| | -or- | |
| <input type="checkbox"/> Global History | <input type="checkbox"/> Science Elective x2 | <input type="checkbox"/> World Language |
| -or- | | |
| <input type="checkbox"/> History Elective | | <input type="checkbox"/> Physical Education _____ |

Choose one

- | | | |
|--|--|--|
| <input type="checkbox"/> Principals of Engineering
-or- Digital Electronics | <input type="checkbox"/> Intro to Marketing &
Intro to Accounting | <input type="checkbox"/> Anatomy &
Physiology |
|--|--|--|

Senior (8 Credits)

- | | | |
|--|--|---|
| <input type="checkbox"/> English Elective x2 | <input type="checkbox"/> Math Elective | <input type="checkbox"/> Fine Arts _____ |
| -or- | | |
| <input type="checkbox"/> Literature 2 | <input type="checkbox"/> Science Elective x2 | <input type="checkbox"/> World Language |
| <input type="checkbox"/> Social Justice | <input type="checkbox"/> History of the Americas | <input type="checkbox"/> Physical Education _____ |
| -and- | -or- | |
| <input type="checkbox"/> Theology Elective | <input type="checkbox"/> History Elective | |

Choose one

- | | | |
|---|---|---|
| <input type="checkbox"/> Engineering & Design Development | <input type="checkbox"/> Career Pathway Business Capstone | <input type="checkbox"/> Career Pathway Healthcare Capstone |
|---|---|---|

What's a strategy?

[illegible]



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