

# **La Salle Catholic College Preparatory**

Course Catalog 2025-26

---

## **LA SALLE GRADUATION REQUIREMENTS**

### **Religious Studies - 4 credits**

9th - Catholic Christianity / Introduction to Sacred Scripture

10th - Christology / Paschal Mystery

11th - Catholic Moral Thinking / Catholic Social Teaching

12th - (choose 2) World Religions, Lasallian Ministry, Christian Lifestyles, or Honors Faith and Media

### **English - 4 credits**

9th - English 1 E or English 1

10th - English 2 E, English 2 or Honors English 2

11th - English 3 E, English 3 or AP English 3

12th - English 4 E, English 4 or AP English 4

### **Mathematics - 3 credits**

Three years of math is required through Algebra 2

### **Science - 3 credits**

9th - Physics or Physics M

10th - Chemistry or Honors Chemistry

11th - Biology or Honors Biology

### **Social Studies - 3 credits**

9th - World History 1

10th - World History 2

11th - US History or AP US History

12th - Economics and US Government or AP US Government

### **World Language - 2 credits**

Two consecutive years of the same world language is required

### **Fine Arts - 1 credit**

Any full year course or two semester courses listed under the Fine Arts department satisfies the Fine Arts graduation requirement

**Health - 1 credit**

9th - Health 1

10th - Health 2

**PE - 1 credit**

Two semester courses listed under the Health and PE department satisfies the PE graduation requirement

**Communications - 0.5 credit** *(phased out with the Class of 2027)*

**Learning How to Learn - 0.5 credit** *(starting with the Class of 2028)*

**Electives - 1.5 credits**

**TOTAL - 24 credits**

---

**RELIGIOUS STUDIES DEPARTMENT**

Rooted in the Gospel of Jesus Christ as well as the teachings and traditions of the Roman Catholic Church and the Brothers of the Christian Schools, the Religious Studies Department seeks to foster in students a respect and reverence for self, others, God, and God's creations. The curriculum is designed to inspire spirituality, critical thinking, prayer, compassion, and participation in the community for the rest of their lives. To fulfill La Salle's Religious Studies graduation requirement, students must successfully complete 8 semester courses.

**Catholic Christianity**

Grade Level: 9

Credit: 0.5, Semester

Prerequisite: None

This one semester course focuses on familiarizing students from diverse religious backgrounds with the language, traditions, and practices of Catholic Christianity. The intent of the course is to invite faith formation and prepare students for success in Religious Studies courses by developing knowledge of key terms, critical thinking skills, and strategies of articulate expression through writing, art,

and dialogue. We will investigate Lasallian identity, learn about liturgy and the liturgical year, and analyze as contextualists the stories in Genesis 1-11.

### **Introduction to Sacred Scripture**

Grade Level: 9

Credit: 0.5, Semester

Prerequisite: Introduction to Catholic Christianity

The purpose of this course is to give students a general knowledge and appreciation of the Hebrew Scriptures (also known as the Old Testament). In the course, students learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. Through the course we learn about the history of the Hebrew people and focus on analyzing the stories through a contextual lens. We will investigate Genesis (Patriarchs and Matriarchs), Exodus (Moses), the Judges and Kings, Exile and Messianic promise (The Prophets), and some of the Wisdom books.

### **Christology**

Grade Level: 10

Credit: 0.5, Semester

Prerequisite: Introduction to Catholic Christianity and Introduction to Sacred Scripture

The purpose of this course is to introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Trinity. Students analyze the historical context of Jesus' birth, study God's Revelation through Jesus Christ, and connect how the events in Hebrew Scriptures impact our understanding of Christian Scriptures. The course identifies the images of Jesus, specific audience, and message of each gospel author. There is also a focus on how Salvation History leads to a deeper understanding of Jesus' birth and public ministry. In learning about who Jesus is, students will also learn who he calls them to be.

### **Paschal Mystery**

Grade Level: 10

Credit: 0.5, Semester

Prerequisite: Christology

This course continues the study of Christ's life, focusing on the mystery of his passion, death, and resurrection. Study includes essential topics such as the Eucharist, the birth of the Church at Pentecost and the continuing work of the

Holy Spirit. There is also a focus on the religious truths and symbolism of events of Hebrew Scriptures and how they are incorporated by the gospel authors into our understanding of the Paschal Mystery. The course emphasizes the impact of God's gift of grace, redemption, and salvation in the context of Jesus, his followers, and what that means today.

### **Catholic Moral Thinking**

Grade Level: 11

Credit: 0.5, Semester

Prerequisite: Christology and Paschal Mystery

Examines the foundations of Catholic morality. The moral life is known as "life in Christ" which is characterized by our loving one another as Jesus loved us. The course explores the development of character, the formation of conscience, and the study of virtuous living. Because life involves making difficult choices, the course challenges students to examine real-life situations through the lens of Catholic morality. Learning to evaluate complex moral dilemmas and acting according to one's conscience is essential for living in a right relationship with other people, one's self, the whole of Creation and God. This course challenges students to address two essential questions: Who am I? Who am I becoming?

### **Catholic Social Teachings**

Grade Level: 11

Credit: 0.5, Semester

Prerequisite: Catholic Moral Thinking

The course examines the foundations of Catholic social teaching in Scripture and Tradition. The course aims to examine social issues in light of Catholic Social Teachings, with an exploration into subjects such as protecting human life at its beginning and its end, poverty and hunger, war and peacemaking, economic justice and environmental justice as well as oppression based on race, ethnicity, gender, religion, ability, age, sexual orientation, and other identifiers.. Students complete their junior service requirement with an emphasis on poverty and draw upon that experience to further their understanding of in class topics.

### **World Religions**

Grade Level: 12

Credit: 0.5, Semester

Prerequisite: Catholic Moral Thinking and Catholic Social Teachings

This semester course explores cultural, spiritual, theological, and historical diversity among numerous religions and wisdom traditions of our world. In the spirit of the Catholic Church's 1965 Declaration on the Relation of the Church to Non-Christian Religions, *Nostra Aetate*, the goals of this course include: learning about cultural, theological, and spiritual worldviews; appreciating diversity within and between various religions; and developing a personal view and understanding of how to live in a diverse world. Dual credit option of 4 CCC credits for R210 is available. This course is an elective and will meet one half of the Religious Studies requirement for 12th graders.

### **Lasallian Ministry**

Grade Level: 12

Credit: 0.5, Semester

Prerequisite: Catholic Moral Thinking and Catholic Social Teachings

This course is designed to capstone students' understanding of the five core values taught in Lasallian institutions. Students reflect on their faith, education, community, and dedication to service and social justice throughout their four years at La Salle. This course also gives them new insight on the values based on group work, activities, personal reflection, speakers from our larger community, and (most importantly) mentoring a neighborhood elementary student one day a week. Students need no experience with mentoring an elementary student, but must be open to the challenges to work with Lot Whitcomb, their staff, and their students on a personal level. This course is an elective and will meet one half of the religious studies requirement for 12th graders.

### **Christian Lifestyles**

Grade Level: 12

Credit: 0.5, Semester

Prerequisite: Catholic Moral Thinking and Catholic Social Teachings

This course addresses Catholic Vocation by looking at essential elements for discerning a vocation in light of the Four States of Life (Priesthood, Marriage, Consecrated Life, and Single Life). The elements include: prayer, work, rest, use of resources, and community. Each element has a practical project to go along with it: from cooking for community to budgeting for use of resources. Each project implements a sacramental approach that values spirituality and material reality together.

## **Honors Faith and Media**

Grade Level: 12

Credit: 0.5, Semester

Prerequisite: Catholic Moral Thinking and Catholic Social Teachings

The class will explore the presence of faith and the portrayal of Christianity (and in particular Catholicism) in a variety of media (novels, short stories, film, and music). Students will analyze various media (watch multiple movies, listen to an album, and read a novel) to discern the presence of various theological themes and/or to evaluate the religious portrayal within such media. The primary assessments will be student podcasts. This is a Blended Online class. Open to Seniors only. Must have strong organizational and self-management skills. This course is elective and will meet one half of the religious studies requirement for 12th graders.

---

## **ENGLISH DEPARTMENT**

La Salle's English Department offers a variety of classes at the college preparatory, honors, and Advanced Placement levels. Each course seeks to develop core skills of critical reading, critical thinking, critical writing, and effective oral expression—the foundation for a lifetime of independent learning.

Additional English electives are offered in creative writing and journalism for students wishing to apply their developing writing skills. In addition to its emphasis on core skills, each course trains students to be skilled and conscientious users of technology.

### **English 1 E**

Grade Level: 9

Credit: 1.0, Full Year

Prerequisite: None

English 1 Essentials is a year-long course designed to ensure instruction delivered in 15:1 student ratio. Focus on Oregon High School standards for Language Arts. Emphasis on Literacy and Study Skill development. Course features 2 project-based learning units of study for research and literary analysis. The course features 6 units of study. The course features 4 Essays: Expository, Personal Narrative, Literary Analysis and Persuasive writing. Literature introduced include short stories, one full length novel, poetry, drama, and non-fiction current event focus. Meets 1 credit of the English graduation requirement.

## **English 1**

Grade Level: 9

Credit: 1.0, Full Year

Prerequisite: None

English 1 provides the foundation for becoming better readers and writers. Emphasis is placed on the strategies and processes that successful readers and writers use. Through the study of poetry, short stories and the novel, and print advertising, students learn to read closely and induce meaning independently. Though the writing process is emphasized in this class, students receive specific instruction on mechanics, usage and grammar. Habits of mind beneficial for being an effective and engaged student are introduced and reinforced. Meets 1 credit of the English graduation requirement.

## **English 2 E**

Grade Level: 10

Credit: 1.0, Full Year

Prerequisite: English 1 E or English 1

English 2 Essentials is designed to ensure instruction is delivered in a 15:1 student ratio. Focus on Oregon High School standards for Language Arts. Emphasis on Literacy and Study Skill development. Course features 2 project-based learning units of study for research and literary analysis. The course features 6 units of study. The course features 4 Essays: Expository, Personal Narrative, Literary Analysis and Persuasive writing. Literature introduced include short stories, one full length novel, poetry, drama, and non-fiction current event focus. Meets 1 credit of the English graduation requirement.

## **English 2**

Grade Level: 10

Credit: 1.0, Full Year

Prerequisite: English 1 E or English 1

English 2 is a year-long course designed as a bridge between the introduction-level skills of English 1 and mastery of the close reading and writing process skills in English 3 and 4. Students are given opportunities to consider and include some of their own experiences as they approach and write about diverse texts. Emphasis is placed on a variety of assessment types carefully designed to build a strong foundation and prepare students for the more complex reading and writ

## **Honors English 2**

Grade Level: 10

Credit: 1.0, Full Year

Prerequisite: English 1 E or English 1

Honors English 2 is a year-long course that emphasizes the development of critical thinking and expository writing. Because the goal of this course is to produce independent readers and writers, students receive much instruction and many opportunities to hone close reading and writing skills. By course's end, students will be able to apply the tools necessary for understanding complex literature of various genres and produce the kinds of essays the academic world will require of them, e.g., expository, analytical, research, and persuasive essays. Meets 1 credit of the English graduation requirement.

## **English 3 E**

Grade Level: 11

Credit: 1.0, Full Year

Prerequisite: English 2 E or English 2

English 3 Essentials is a year-long course designed to ensure instruction is delivered in a 15:1 student ratio. The learning targets focus on the Oregon High School Standards for Language Arts. Special emphasis is placed on the development of reading, writing, literacy and study skill development. The course features 6 units of study. Additionally, the course features 4 types of essays: Personal Narrative, Descriptive/Expository, Literary Analysis, and Argumentative. Literature introduced include short stories, three full length books, and non-fiction focused on current events. Students will complete a research paper in the spring. Meets 1 credit of the English graduation requirement.

## **English 3**

Grade Level: 11

Credit: 1.0, Full Year

Prerequisite: English 2 E, English 2, or Honors English 2

This course immerses students in the study of U.S. literature. Students will be challenged to build upon reading and writing skills as they think critically about various themes that surface in and around a current controversial social topic. In addition to reinforcing expository, narrative and persuasive writing skills, students will engage in a significant argumentative research project centered around an



issue of contemporary relevance. Meets 1 credit of the English graduation requirement.

### **AP Language and Composition (AP English 3)**

Grade Level: 11

Credit: 1.0, Full Year

Prerequisite: English 2 or Honors English 2, English Department Placement

AP English 3, also known as AP English Language and Composition, combines theory and practice of rhetoric, the writing process, and the study of non-fiction American Literature. By the course's end, students will be able to apply the fundamentals of rhetoric as well as the tools necessary for college-level reading, critical thinking, and critical writing (i.e., students will write in a variety of discursive modes including expository, analytical, persuasive—as well as produce a research paper). Students will examine important themes and concepts that have modern relevance -- such as the concept of 'America' today, Equity and Inclusion, current social issues -- through the lens of a variety of non-fiction sources, including essays, speeches, letters, videos, book-length arguments, to name a few. In addition to reinforcing expository and persuasive writing skills, students will engage in a significant argumentative research project centered around an issue of contemporary relevance. Meets 1 credit of the English graduation requirement. Dual credit option of 4 CCC credits for WRI 121.

### **English 4 E**

Grade Level: 12

Credit: 1.0, Full Year

Prerequisite: English 3 E or English 3

English 4 Essentials is a year-long course designed to ensure instruction is delivered in a 15:1 student ratio. The course is designed to meet the Oregon Department of Education's *Oregon English Language Arts and Literary Standards* and features 6 units of study: 1) Multi-Media-Rhetorical Analysis, Audience, and Purpose, 2) Poetry, 3) The Novel and Memoir, 4) Short Stories, 5) Global Literature, 6) Culminating Senior Project. Students identify and demonstrate rhetorical awareness and strategies. Students present culminating projects. Students identify and apply various literary themes, close reading strategies, and writing techniques. Students uphold grammar, punctuation, and capitalization standards. Major writing assignments and projects are scaffolded. Texts include poetry, film, plays, short stories, full-length novels, and non-fiction.

Students who do not demonstrate mastery are provided opportunities for skill improvement. Meets 1 credit of the English graduation requirement.

### **English 4**

Grade Level: 12

Credit: 1.0, Full Year

Prerequisite: English 3 E, English 3 or AP English 3

English 4 is a year-long course designed to analyze the various ways in which literature of the world reveals and explores the human condition. Students identify and apply various themes, close reading strategies, and writing techniques in an effort to understand differences and similarities across diverse cultures, time periods, and places. Students demonstrate knowledge of literary terms and how to apply them. They further develop their writing abilities, organizational skills, and authorial voices. They learn to identify and write for multiple audiences. Students uphold grammar, punctuation, and capitalization standards. Major writing assignments and projects are scaffolded. Students are given opportunities to demonstrate mastery of the skills outlined in the College and Career Readiness Anchor Standards for Language and Reading. Students who cannot show mastery of these skills are provided opportunities for improving these skills. Meets 1 credit of the English graduation requirement.

### **AP Literature and Composition (AP English 4)**

Grade Level: 12

Credit: 1.0, Full Year

Prerequisite: English 3 or AP English 3, English Department Placement

AP Literature is a year-long course that not only introduces students to major literary works and writers within and outside the United States, but also places emphasis on the development of the critical thinker and writer. Because this course is La Salle's flagship English course, you will receive much instruction and opportunities to hone your skills related to textual analysis, critical thinking and writing about imaginative literature (fiction, poetry, drama) from Ancient Greece, and the 16th to 21st century. By course's end you will be able to apply the tools necessary for understanding college level primary and secondary literary texts and produce the kinds of essays the academic world will require of you, especially expository and literary analysis. This course also prepares students for the AP English Literature and Composition Exam given in May. Students will also be provided some instruction on writing the college application essay though you will not be expected to write that kind of essay for this class. Meets 1 credit of the

English graduation requirement. Dual credit option of 8 CCC credits for ENG 104 and WRI 121.

### **Journalism**

Grade Level: 10-12

Credit: 0.5, Semester or 1.0, Full Year

Prerequisite: None

Students in this course publish the award-winning, student-run online school newspaper, The La Salle Falconer. Students study and practice all aspects of digital journalism and publishing, including writing, editing, and photojournalism. Freshmen may take Journalism, but only with instructor approval.

### **Advanced Journalism**

Grade Level: 10-12

Credit: 0.5, Semester or 1.0, Full Year

Prerequisite: Instructor Approval and an A- or A in Journalism

Students in Advanced Journalism are editors for the award-winning online school newspaper, The La Salle Falconer. In addition to studying and practicing all aspects of digital journalism and publishing, students in Advanced Journalism serve in leadership roles, and are responsible for editing the work of other students, managing The Falconer's social media channels, and collaborating with other members of the editorial board to make all decisions about the content of this student-run publication.

---

## **MATH DEPARTMENT**

Mathematics is a universal language used to describe and model the world around us. Not only is it used in many other fields, it is a way of thinking, analyzing, organizing, and synthesizing information that can be used in everyday life.

The math department's mission is to develop responsible, enthusiastic, and dynamic learners who strive for lifelong learning. We promote not just mastery of content, but nurture the ability to problem-solve, reason abstractly, communicate

appropriately, and apply knowledge inside and outside of the mathematics classroom.

## **Initial Mathematics Placement**

Incoming ninth graders are placed in appropriate mathematics courses (typically Algebra I Essentials, Algebra I, Geometry or Honors Geometry) based on prior coursework, eighth grade mathematics grades, teacher recommendations and MAP placement test scores.

### **Algebra 1 E**

Grade Level: 9-10

Credit: 1.0, Full Year

Prerequisite: Placement by entrance exam

Algebra 1 Essentials involves the fundamental ideas and skills of Algebra 1 with additional support built in, and emphasis on development at a personal level. Differentiation and accommodations may be employed so that learners can reach the required standards. Students may progress to Geometry E, Geometry, or Algebra 2 E.

### **Algebra 1**

Grade Level: 9-10

Credit: 1.0, Full Year

Prerequisite: Placement by entrance exam

In addition to transition and manipulation skills, students are involved in the application of mathematical concepts, critical thinking, and logical reasoning. Applications in equations, inequalities, graphing, linear functions, polynomials, rational functions, exponential functions and quadratic functions engage students in critical thought in selection of approach and development of strategy in problem solving. Students may progress to Geometry E, Geometry, or Honors Geometry, based on achievement and department recommendation or challenge test.

### **Geometry E**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Completion of Algebra 1 E or Algebra 1

Geometry Essentials involves the fundamental ideas and skills of Geometry with additional support built in, and emphasis on development at a personal level. Differentiation and accommodations may be employed so that learners can reach the required standards. Students may progress to Algebra 2 E or Algebra 2.

### **Geometry**

Grade Level: 9-11

Credit: 1.0, Full Year

Prerequisite: Successful completion of Algebra 1

Focuses on formalizing logical reasoning skills through theorems and postulates. Students develop an understanding of the relationship between figures and will gain understanding of reading and writing proofs. Instruction reinforces and extends knowledge of Algebra, with development of real-world applications and an introduction to Trigonometry. Students may progress to Algebra 2 E, Algebra 2 or Honors Algebra 2/Trig based on achievement and department recommendation or challenge test.

### **Honors Geometry**

Grade Level: 9-11

Credit: 1.0, Full Year

Prerequisite: Placement or high achievement in Algebra 1 with department recommendation

Explores two major branches of mathematics. First is the study of logic and reasoning of math. Students gradually develop an understanding of deductive reasoning and formal proof. Second is the study of the properties of plane figures, trigonometry, and 3D objects. This course reinforces and extends the knowledge of algebra with attention given to real life applications involving shape and space. Students should expect a pace and level of rigor fitting for a Honors level course. Students may progress to Algebra 2 or Honors Algebra 2/Trigonometry.

### **Algebra 2 E**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Algebra 1 and Geometry (or equivalent)

Algebra 2 Essentials involves the fundamental ideas and skills of Algebra 2 with additional support built in, and emphasis on development at a personal level. Differentiation and accommodations may be employed so that learners can

reach the required standards. Students may progress to Geometry E if not already taken, Statistics or Pre-Calculus. This course may alternate with Geometry E and be offered in every other year. Seniors graduating after successful completion of this class would be expected to be ready for an entry level college mathematics course.

## **Algebra 2**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Algebra 1 and Geometry

Begins with a review of Algebra 1. Skills of solving, graphing, and writing equations and inequalities expanded to solve systems of equations. Students build knowledge of functions through solving polynomials, simplifying rational expressions, and graphing quadratics and other functions. Instruction reinforces and extends knowledge of Geometry. The goal of this course is to prepare students for Pre-Calculus. Students may progress to Pre-Calculus, AP Pre-Calculus, Statistics or AP Statistics. Seniors graduating after successful completion of this class would be expected to be ready for an entry level college mathematics course.

## **Honors Algebra 2 and Trigonometry**

Grade Level: 9-11

Credit: 1.0, Full Year

Prerequisite: Placement or successful completion of Honors Geometry or high achievement in Geometry with department recommendation.

Honors Algebra 2 and Trigonometry is a rigorous study of functions that were introduced during Algebra and Geometry. Each function; including polynomial, rational, logarithmic, exponential, and trigonometric, will be examined and applied in context. Great emphasis will be placed upon correct algebraic operations, and graphing calculators will be used to augment instruction. Prerequisites are mastery of Algebra 1 and Geometry and the recommendation of the department. Students may progress to Pre-Calculus, Honors Pre-Calculus, AP Calculus AB, AP Statistics, or Statistics.

## **Precalculus**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Algebra 2 or Honors Algebra 2/Trigonometry

Pre-Calculus is the study of functions through graphical, algebraic, and numerical analysis. In addition to reviewing linear and quadratic functions, it introduces polynomial functions of higher degree, rational, exponential, logarithmic, and trigonometric functions and allows students to represent (model) natural phenomena with these functions. Students may progress to AP Calculus AB, AP Statistics or Statistics. Seniors graduating after successful completion of this class would be expected to be ready for differential calculus, college algebra, statistics, or similar.

### **Honors Precalculus**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Algebra 2 or Honors Algebra 2/Trigonometry

Honors Pre-Calculus is the study of functions through graphical, algebraic, and numerical analysis. Main topics of the course include, but are not limited to, functions and their graphs, linear and quadratic functions, polynomial and rational functions, exponential and logarithmic functions, and trigonometric functions. The course also will offer an introduction to Calculus, studying topics of limits, as well as keeping a focus on rates of change, throughout all functions studied. Problems will be viewed with the lens of the College Board, focusing on the practices of implementing mathematical processes, connecting representations, justification, and communication and notation. Honors Precalculus will move at a rapid pace, in addition to studying problems that require multi-step problem solving and applications of skills from prior math classes. Students may progress to AP Calculus AB, AP Statistics or Statistics. Seniors graduating after successful completion of this class would be expected to be ready for differential calculus, college algebra, statistics, or similar.

### **AP Calculus AB**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Honors Algebra 2/Trigonometry or Pre-Calculus

Calculus applies five mathematical concepts to real world problems: functions, limits, continuity, derivatives and integrals. The course develops the skills necessary to support the application of these five core concepts by analyzing all topics numerically, algebraically, and graphically and is designed to prepare students for the AP Calculus AB exam in the spring. Depending on the AP exam score, some colleges will transfer in college credits or count it as completion of a prerequisite. Students may progress to AP Calculus BC, AP Statistics, Statistics, Multivariable Vector Calculus or Linear Algebra.

### **AP Calculus BC**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of AP Calculus AB

Continues to build from AP Calculus AB. In addition to the topics from last year, the course analyzes parametric, polar, and vector equations, planar motion, additional integration techniques and applications, and sequences and series. Designed to prepare students for the AP Calculus BC exam in the spring. Depending on the AP exam score, some colleges will transfer in college credits or count it as completion of a prerequisite. Students may progress to AP Statistics, Multivariable Vector Calculus or Linear Algebra.

### **Multivariable Vector Calculus**

Grade Level: 11-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of AP Calculus AB

Topics this course will cover include vector functions, partial derivatives, the gradient, multiple integrations, vector field analysis, line and surface integrals, and coordinate transformations between cylindrical, spherical, and cartesian coordinates. The prerequisites are instructor approval and recommendation from the student's AB Calculus teacher. A score of 4 or 5 on the Calculus AB or BC test is preferred. This course may alternate with Linear Algebra and be offered every other year.

### **Linear Algebra**

Grade Level: 11-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of AP Calculus AB



This course provides introduction and development of concepts relating to matrix operations and manipulation, eigenvalues and eigenvectors, with applications in engineering (including computer graphics). The prerequisites are instructor approval and recommendation from the student's AB Calculus teacher. A score of 4 or 5 on the Calculus AB or BC test is preferred. This course may alternate with Multivariable Vector Calculus and be offered every other year.

### **Statistics**

Grade Level: 12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Algebra 2 or Honors Algebra 2/Trigonometry

This course provides an introduction to Statistics and Probability by focusing on the collection, analysis, and use of data to examine real-world topics. Students will investigate how data are produced, displayed, and summarized, and will consider the underlying probabilities as a basis for determining whether the statistical outcomes are significant. Emphasis will be placed on topics and tools which are commonly used in the sciences and humanities, providing useful preparation for college-level courses. Seniors graduating after successful completion of this class would be expected to be ready for an entry level college mathematics and/or statistics course.

### **AP Statistics**

Grade Level: 10-11(elective), 12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Algebra 2 or Honors Algebra 2/Trigonometry

The course will study and focus on four major themes: exploring data, sampling and experimentation, anticipating patterns and statistical inferences. Students will develop strategies for collecting, organizing, analyzing and drawing conclusions from data. Students will design and administer surveys and experiments, and then they will tabulate and analyze results from these experiments. Students will also study probability, perform simulations and understand how sampling distributions are related to confidence intervals and hypothesis tests. Students who successfully complete the course and score high enough on the AP exam may receive credit for a one-semester introductory college statistics course.

---

## **SCIENCE DEPARTMENT**

God instilled a natural curiosity in all humankind. As a Lasallian school, we foster the development of that curiosity based on a Christian foundation of awareness and respect for God's creation. Students are provided with the opportunity to learn scientific concepts and experience science that is practical, relevant and stimulating.

Our changing world requires that students develop strategies in observing, questioning, critical thinking, and problem-solving. We encourage them to be responsible, ethical, and moral members of society. In an age dominated by technology and rapid change, the science department strives to supply the student with adaptive skills that are universal in application.

### **Physics**

Grade Level: 9-10

Credit: 1.0, Full Year

Prerequisite: Concurrent enrollment in Algebra 1

This required course option will focus on the conceptual underpinning of Physics and how the fundamental concepts will help to prepare students for later science courses. Topics will include measurement and unit conversion, the four Conservation laws (Energy, Mass, Momentum, and Electric Charge), static and dynamic electricity, and waves (both mechanical and electromagnetic). Physics M is an acceptable alternative to this course.

### **Physics M**

Grade Level: 9

Credit: 1.0, Full Year

Prerequisite: Concurrent enrollment in Geometry or higher level math course

Mathematical Physics is a required course option for all incoming 9th graders that will focus on three main areas: Physics concepts and applications, Engineering design and Scientific method and analysis. Students will study motion (both linear and some circular), Newton's Laws, energy, and momentum in the first semester and sound, light, waves, electricity and magnetism in the second semester. This course will be heavily inquiry-based and incorporate engineering design projects into each concept area, along with laboratory

experiments and demonstrations. Physics is an acceptable alternative to this course.

## **Chemistry**

Grade Level: 10

Credit: 1.0, Full Year

Prerequisite: Successful completion of Physics or Physics M and concurrently enrolled in Geometry or higher level math course

Chemistry is the study of changes in composition, structure, and properties of matter during chemical reactions. Students are introduced to the main topics in chemistry including but not limited to atomic structure, the periodic table, bonding, chemical reactions, acids and bases, gasses, and thermodynamics. This course is designed around the Next Generation Science Standards which ensure students not only learn and receive practice with the disciplinary core ideas but also science and engineering practices and cross-cutting concepts. Scientific practices involve guided inquiry, where students ask scientific questions, make claims, design experiments, collect evidence, and provide evidence based explanations. General chemistry involves hands-on lab experiments, which help elucidate the chemical nature of the world. Either this course or Honors Chemistry is required as part of the Science curriculum.

## **Honors Chemistry**

Grade Level: 10

Credit: 1.0, Full Year

Prerequisite: Successful completion of Physics or Physics M and Science Department Placement

Chemistry is often referred to as the central science as it provides a foundation and concepts for several other science disciplines. Fundamentally, chemistry is the study of the composition, structure, and properties of matter and the changes it undergoes. The Honors Chemistry course covers the same content as the General Chemistry course with some additional topics, more depth, and an accelerated pace. This course will build off the principles from their previous physics course (for example, energy and forces of attraction.) Standards for the course are developed around the Next Generation Science Standards which ensure students not only learn and receive practice with the disciplinary core ideas but also science and engineering practices and cross-cutting concepts. Students will engage in guided inquiry practices often and that will provide students the opportunity to ask scientific questions, make claims, design

experiments, and engage in argument from evidence. Honors Chemistry students enrolled in Algebra 2 or higher level math courses are preferable. This course is recommended for those students who wish to pursue any field of science, medicine, nursing, or engineering. Either this course or Chemistry is required as part of the Science curriculum.

## **Biology**

Grade Level: 11-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Physics and Chemistry

Biology is the study of living organisms and their phenomena. Students will gain insight and an understanding of life by examining and exploring the following concepts which are aligned with the Next Generation Science Standards for Life Sciences: Ecology, Cellular Biology, Biochemistry, Heredity, and Evolution. Students will be challenged to think critically and communicate effectively, and be encouraged to become responsible citizens and life-long learners of science. In addition, students will use scientific practices in each unit including scientific questioning, experimental design, data analysis, and constructing explanations supported by evidence.

## **Honors Biology**

Grade Level: 11-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Physics and Chemistry

This honors-level course will cover an in-depth foundation in biology, necessary for students interested in one day taking AP Biology or another Biology course at their respective college or university. This course includes laboratory work, projects, and a thorough understanding of scientific inquiry and communication. Students will gain insight and an understanding of life by examining and exploring the following concepts which are aligned with the Next Generation Science Standards for Life Sciences: Ecology, Cellular Biology, Biochemistry, Heredity, and Evolution. Students will often work independently from the teacher to achieve student autonomy expected of upper school students. Real-world application is a daily objective. Higher-level thinking will be incorporated into each lesson as well as the use of technology when applicable to increase student achievement. Students are expected to participate in all activities and actively engage and ask questions during teacher-led lectures. Students are also

expected to review and study the content covered in class outside of school regularly.

### **AP Biology**

Grade Level: 12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Physics, Chemistry and Biology

Advanced Placement Biology is a college-level course for able and motivated students who have excelled in Chemistry and Biology. Students will be challenged to think critically while applying biological knowledge to contemporary environmental and societal concerns. The primary emphasis of the course is to help students understand concepts in biology beyond the memorization of terms and technical details. Rather than an accumulation of facts, students should understand science as a process and apply scientific concepts and practices to real-world problems. This course is organized around 4 major concepts which are key to understanding biological systems: evolution, the use of energy, the storage, transmission, and response to information, and complex interactions between systems. The course is designed to prepare students for the AP Biology exam in the spring. Depending on the AP exam score, some colleges will transfer in college credits or count it as completion of a prerequisite.

### **AP Chemistry**

Grade Level: 11-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Physics, Chemistry, and Algebra 2

Advanced Placement Chemistry is a college-level course for students with an interest in chemistry and a strong performance in previous science and math courses. It may be taken by students during their 11th or 12th grade year upon successful completion of Chemistry or Honors Chemistry. The course builds upon many of the topics mastered in the first year high school course and provides more depth. The course is designed in accordance with the AP Chemistry Course & Exam Description provided by the College Board. Emphasis is placed on chemical calculations, analytical reasoning, modeling, and laboratory skills. The course is designed to prepare students for the AP Chemistry exam in the spring. Depending on the AP exam score, some colleges will transfer in college credits or count it as completion of a prerequisite.

### **AP Physics C: Electricity and Magnetism**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Physics or Physics M and AP Calculus AB

This is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. Students should have taken or be concurrently taking calculus. This course will alternate every other year with AP Physics C: Mechanics.

### **AP Physics C: Mechanics**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Physics or Physics M, concurrent enrollment (or completion of) AP Calculus AB or BC

AP Physics C: Mechanics is a calculus-based, college-level physics course. It covers kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. This course will alternate every other year with AP Physics C: Electricity and Magnetism.

### **Anatomy & Physiology**

Grade Level: 12

Credit: 1.0, Full Year

Prerequisite: Successful completion of Biology or Honors Biology

Anatomy and Physiology is a year-long science laboratory elective for students interested in studying nursing, medicine, or biology in college. This course may be taken concurrently with an AP Science elective. The human body is a complex system of molecules, tissues, organs and body systems communicating and collaborating. Students will research and learn how the body maintains homeostasis at the anatomical, physiological and histological levels of the major body systems in conjunction with the pathophysiology of major diseases and conditions that disrupt homeostasis through inquiry-based lessons and labs, presentations, and collaborative course work. The course will be arranged by themes: Anatomical Orientation, Protection, Support and Movement, Integration

and Regulation, Transportation, Absorption and Excretion, and Reproduction, Growth, and Development. Anatomy and Physiology includes various dissections of animal organs.

### **Climate Science**

Grade Level: 11-12

Credit: 0.5, Semester

Prerequisite: Successful completion of Chemistry

In this semester-long course, students will explore the complexities behind climate change. The primary objective of the course is to provide students with a strong foundation on the science of climate change and promote tools and skills they can use to address climate change in their lives as adults. Building off concepts from the 10th grade chemistry course, students will progress through the following units: The Climate System, Climate Change & its Drivers, Consequences of Climate Change, and The Future.

### **Marine Biology**

Grade Level: 12

Credit: 0.5, Semester

Prerequisite: Successful completion of Biology or Honors Biology

The marine environment encompasses 99% of the Earth's biosphere, is responsible for over half of the Earth's oxygen, controls our major weather patterns, and contains an incredible amount of diversity. This course will examine the biology of these organisms and the abiotic (e.g., salinity, nutrients, water currents and tides) and biotic factors (e.g., competition, predation, symbiosis) that influence their distribution and abundance in the various marine ecosystems around our planet. Organisms of the Oregon coast will be emphasized and by the end of the course students should be able to identify most of the marine vertebrates and invertebrates that live here in Oregon. In addition, all students will learn some fundamentals of fishing, the fishing industry, and how to make sustainable seafood choices.

---

## **SOCIAL STUDIES DEPARTMENT**

The study of the social sciences prepares students for responsible citizenship. It enables students to evaluate historical and contemporary issues, understand

global relationships and make connections between past, present, and future. Social Studies provide an appreciation of human culture and traditions and a framework for the analysis of problems and decisions associated with humanity.

### **World History 1**

Grade Level: 9

Credit: 0.5, Semester

Prerequisite: None

World History 1 is a semester-long course that focuses on the history of the Industrial Revolution, Imperialism, World War I, and globalization as well as the challenges that have arisen in our modern world. The course emphasizes the historical connections between each of these periods. World History 1 examines the origins of modern day society and introduces basic geographical, sociological, political, and economic concepts necessary for the study of all social studies. The advent and spread of modern technology and its impact on the present day is also examined. Current world news events are emphasized throughout the course. Current events discussions will also be held to put historical events into their proper perspective. Students will interpret the effects of the Industrial Revolution, evaluate a challenge that has arisen in the world today and suggest how to best move forward by creating a magazine-like spread, and make connections from the Imperialist era to today through a google slides presentation. One semester of World History 1 is required for graduation.

### **World History 2**

Grade Level: 10

Credit: 0.5, Semester

Prerequisite: None

World History 2 is a semester-long course that focuses on the history of World War II, the Rise of Democracy, and the Modern Middle East. World History 2 examines the origins of modern day society and continues to explore basic geographical, sociological, political, and economic concepts necessary for the study of all social studies courses. Geography knowledge and skills, as well as current world news events, are emphasized throughout the course. Current world news discussions will be held to put historical events into their proper perspective. Students will examine the roots and stakeholders of a current conflict in the Middle East and present their findings, research and evaluate modern democracies around the globe, and draw connections between the



origins of WWII and a piece of literature through an essay. One semester of World History 2 is required for graduation.

### **United States History**

Grade Level: 11

Credit: 1.0, Full Year

Prerequisite: None

This is a full year survey course of the history of the United States. The course aims to provide students with an understanding of specific patterns and events in American history through the use of primary source readings, critical thinking and writing skills, as well as simulation activities. Students are encouraged to move beyond learning facts to the higher level of analysis, synthesis, and evaluation of political, social, cultural, and economic events in American history. The students will study the impact of colonization, slavery, immigration, civil rights and foreign policy as well as other issues that have shaped the country the U.S. has become today. One year of United States History is required for graduation.

### **AP United States History**

Grade Level: 11

Credit: 1.0, Full Year

Prerequisite: None

This is a full year detailed course of the history of the United States. The course is designed to provide students with a thorough understanding of historical events from the Pre-Columbian Era to present day. Students will develop analytical skills, critical problem-solving skills, and weigh evidence and interpretation to the social, political, economic and cultural patterns in American history through readings, discussion, and Document Based Questions. The course is designed to prepare students for the AP US History exam in the spring. Depending on the AP exam score, some colleges will apply college credit or count it as a completion of a requirement. AP United States History fulfills the one year requirement of US History for graduation.

### **U.S. Government**

Grade Level: 12

Credit: 0.5, Semester

Prerequisite: None

A semester course that enables students to understand the working of the American political process. The course covers the foundations of American Federalism and includes an in-depth study of the U.S. Constitution and of the three branches of government: executive, legislative and judicial. Active student participation is encouraged through critical thinking exercises, debate and simulation activities. Seniors are required to complete one semester of US Government as a graduation requirement.

### **Economics**

Grade Level: 12

Credit: 0.5, Semester

Prerequisite: None

Economics is a one-semester survey of the American economic system. Special attention will be given to macro and microeconomic theory, free enterprise and entrepreneurship, taxation, and the financial systems of the United States. Students will also learn practical financial knowledge such as understanding how credit scores and credit cards work, and the impact of saving and investing. In an effort to provide real-world and personal connections to students, economic related news video content and its application to economic theory will be studied throughout the semester. Seniors are required to complete one semester of Economics as a graduation requirement.

### **AP U.S. Government**

Grade Level: 12

Credit: 1.0, Full Year

Prerequisite: None

Advanced Placement United States Government is a comprehensive, college-level survey course of the Government of the United States. The course will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. politics. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, and interpretation of primary source documents. As a college-level experience, students are given the opportunity to study the U.S. Government in greater detail and develop skills critically important to successful college study. The course is designed to prepare

students for the AP US Government exam in the spring. Depending on the AP exam score, some colleges will transfer in college credits or count it as completion of a prerequisite.

### **Speech and Debate**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

Students learn the fundamentals of public speaking, and emphasis is placed on the ability to face an audience and deliver a thoughtfully written, organized and well prepared speech. Students learn the principles of formal public speaking, rehearsed as well as extemporaneous and impromptu. Listening and other communication & critical skills are also emphasized. Students also research, analyze, and debate current issues. This one-semester course satisfies the speech/communication credit necessary for graduation.

### **Contemporary World Affairs**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

This is a one-semester course with the objective to introduce students to various sides of contemporary global issues and current news in an objective and comprehensive manner. Student involvement is emphasized in this course through a variety of formats including discussion, seminars, cooperative learning, simulations, multimedia presentations, Internet research, essay writing, debates, and student presentations. Development and utilization of advanced critical reading, thinking, writing and speaking skills are integral to this course. This one-semester course satisfies the speech/communication credit necessary for graduation.

### **Psychology**

Grade Level: 11-12

Credit: 0.5, Semester

Prerequisite: None

This social studies semester elective course explores the workings of the mind and human behavior. The foundations of psychology will be explored with an emphasis on students' personal connections to psychology material. Students

will learn about human behavior as they draw from the course material to gain insight into their own lives and the lives of those around them.

---

## **WORLD LANGUAGE DEPARTMENT**

La Salle Prep offers three languages representing rich world cultures. The World Languages Department believes that awareness of other cultures and their influence upon our society is a necessary step toward recognition and tolerance within the world community.

Communication is paramount to international and interpersonal relations. The knowledge of languages and of cultural information enables the student to better understand and evaluate global issues, and to better implement the Christian principles as expressed in the school philosophy.

Upon completion of the La Salle World Language curriculum, a student will be able to:

- Appreciate cultures and understand languages of the modern world.
- Proficiently communicate in the target language according to national and state standards.
- Connect classroom learning to world needs.

Students who complete the third- and fourth-year language curriculum have the opportunity to earn college credit in partnership with the Oregon University System.

La Salle students have traveled to Spain, Puerto Rico, Costa Rica, France, Quebec, and Germany. On their journeys, students learn about culture, take classes, and practice their languages. In some cases, students live with local families so they can experience home life in another country.

### **French 1**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: None

Students practice all four language skills--reading, writing, listening, and speaking--in order to communicate about themselves, their interests, and the world in which they live. First-year topics include: greetings, introductions, expressions of courtesy, and goodbyes; people and things around the classroom; academic life; everyday activities; family, friends and pets; descriptive adjectives; occupations; places and activities around town; and going to a café. Practical conversational vocabulary and useful expressions, as well as the structure of French (in particular its complex verb system), are learned and practiced with each topic. Correct pronunciation--crucial to effective communication in French--is also consistently emphasized through a variety of activities. French films are used to reinforce pronunciation and listening comprehension, as well as to explore topics in French-speaking culture. Student projects each year include: an in-depth exploration of a salient contemporary social issue in the French-speaking.

## **French 2**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of French 1 with a grade of C- or better

Students continue to practice all four language skills--reading, writing, listening, and speaking--in order to communicate about themselves, their interests, and the world in which they live. Second-year topics include: leisure activities; weather, seasons and months; parties and celebrations; clothing and colors; travel and transportation; hotels and accommodations; and parts of the house and furniture. Practical conversational vocabulary and useful expressions, as well as the structure of French (in particular its complex verb system), are learned and practiced with each topic. Correct pronunciation--crucial to effective communication in French--is also consistently emphasized through a variety of activities. French films are used to reinforce pronunciation and listening comprehension, as well as to explore topics in French-speaking culture. Student projects each year include: an in-depth exploration of a salient contemporary social issue in the French-speaking world; a hands-on French cooking project that includes linguistic practice; and analyses of works of art at major French museums. Advancement to Honors French 3 requires teacher recommendation and a grade of "C" or better in French 2.

### **Honors French 3**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of French 2 with a grade of C or better

In this college-level course, students continue to practice all four language skills--reading, writing, listening, and speaking--with an increased emphasis on speaking and writing with fluency and precision. Third-year topics include: food and meals; dining and specialty food shops; parts of the body and daily routines; health, maladies and remedies; computers and electronics; cars and driving; and giving and getting directions. Practical conversational vocabulary and useful expressions, as well as the structure of French (in particular its complex verb system), are learned and practiced with each topic. Correct pronunciation--crucial to effective communication in French--is also consistently emphasized through a variety of activities. French films are used to reinforce pronunciation and listening comprehension, as well as to explore topics in French-speaking culture. Student projects each year include: an in-depth exploration of a salient contemporary social issue in the French-speaking world; a hands-on French cooking project that includes linguistic practice; and analyses of works of art at major French museums. Students are able to earn 12 college credits for Honors French 3 by enrolling in French 101, 102 and 103 through Clackamas Community College, as part of La Salle's agreement with CCC. Advancement to Honors French 4 requires teacher recommendation and a grade of "C" or better in Honors French 3.

### **Honors French 4**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of Honors French 3 with a grade of C or better

In this class, students are completely immersed in the French language. Communication, except for occasional grammar explanations, is in French. Students expand their knowledge base and increase their ability and confidence to use French for communication and self-expression. Grammar is reviewed and new vocabulary is introduced. Grammar focuses on the study of the subjunctive, conditional, past conditional, pluperfect and the passé simple-a literary tense. Students use the basic elements of the language in a variety of situations concerning everyday life such as traveling and running errands. The cultural emphasis this year focuses on Francophone countries around the world as well as

France's history and art. Students virtually travel in the Caribbean, Africa, Canada and Louisiana. Also they delve back to prehistoric times to explore the development of France up to current events. Finally the class studies art from Impressionist paintings to Surrealistic creations. In addition to expanding speaking, listening and writing skills, students read a variety of French literature found in fables, letters, short stories and poems. By the end of the year students are able to communicate events in a variety of tenses, analyze literary texts and films and present a research project about an artist. Students are also able to earn 12 credits by enrolling in French 201, 202 and 203 through Clackamas Community College as part of La Salle's agreement with CCC. There is a separate enrollment and fee for these credits which transfer to many colleges and universities. These credits may fulfill the language requirement for a Bachelor of Arts degree.

### **German 1**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: None

Students are introduced to the language, culture and customs of German-speaking countries. Students learn the fundamentals of reading, writing, speaking, and listening in German and practice authentic conversational German. They acquire German grammar structures and vocabulary to exchange basic information about themselves, relating to name, age, origin, school life, family and hobbies/interests. Instruction includes storytelling, acting, games, drills, songs, films and videos. Students also study the basic Geography of Germany, learning about each of the 16 federal German states. In addition, they celebrate religious and cultural feasts through music and food.

### **German 2**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of German 1 with a grade of C- or better

This course offers a continued presentation of the fundamentals of German grammar and vocabulary. Authentic conversational skills are developed through the practice of reading, writing, listening and speaking. Second-year topics include: food and restaurant; celebrations and life events; clothing and colors; parts of the house and furniture; and chores. An emphasis is placed on past

tense and students study both the spoken and written past tense forms of German verbs. More advanced grammatical knowledge and skills support and broaden students' ability to communicate while preparing them for higher levels of language study. Students participate in cultural projects that allow them to further explore German culture in order to develop their cultural competencies and to mature into strong global citizens. Advancement to Honors German 3 requires teacher recommendation and a grade of "C" or better in German 2.

### **Honors German 3**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of German 2 with a grade of C or better

In this college-level course, students continue the development of authentic conversational skills through the practice of reading, writing, listening and speaking in German. This course increases the emphasis on the precision of fluency of the German language. Third-year topics include: weather; seasons and months; travel and transportation; hotels and accommodations; media and technology; parts of the body and daily routines; health, maladies and remedies. Students participate in cultural projects that allow them to continue exploring German culture in order to further develop into strong global citizens. Students are able to earn 12 free college credits for Honors German 3 by enrolling in German 101, 102 and 103 through Klamath Community College's dual credit program, as part of La Salle's agreement with KCC. Advancement to Honors German 4 requires teacher recommendation and a grade of "C" or better in Honors German 3.

### **Honors German 4**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of Honors German 3 with a grade of C or better

This college-level course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness; and prepares students to be constructive members of a global society. Fourth-year topics include: everyday errands; giving and receiving directions; jobs and careers; nature; and environmental concerns.



Students are encouraged to use more complex syntax in their speaking and writing to perfect their precision and fluency of the German language. This course also includes an introduction to major aspects of German history, important German-speaking authors and historical figures, and current events in German-speaking countries. Student projects include: building a German resume and preparing a job interview for a German speaking job; an in-depth exploration of a contemporary social issue in the German-speaking world; carrying out an interdisciplinary sustainability project based on the 17 Sustainable Development Goals of the UN; and constructing a holocaust memorial. The film study of "Goodbye Lenin" centers around what life was like as an East German living during the time of the Berlin Wall and the film study of "Sophie Scholl" focuses on the German resistance movement against the Nazi regime. Students are able to earn 12 free college credits for Honors German 4 by enrolling in German 201, 202 and 203 through Klamath Community College's dual credit program, as part of La Salle's agreement with KCC. These credits combined with those earned in Honors German 3 (for German 101, 102 and 103 at KCC) may fulfill the language requirement for a Bachelor of Arts degree.

### **Spanish 1**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: None

Students learn to communicate about basic personal information and several other simple, high-frequency topics through speaking, writing, listening and reading. Many varied activities build a foundation of grammatical knowledge and skills that allow students to succeed in higher levels of language study. Students explore geography and cultural practices of the Spanish-speaking world in order to develop an understanding of the concept of culture through comparison to their own. Passing a proficiency test at the end of the year is required for promotion to Spanish 2.

### **Spanish 2**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Placement test or successful completion of the Spanish Proficiency Test

Students learn to communicate on a widening variety of familiar topics through written and spoken language. They build skills and vocabulary that allow them to

tell about past events as well as describe how things used to be. More advanced grammatical knowledge and skills support and broaden students' ability to communicate while preparing them for higher levels of language study. Students will explore cultural themes of the Spanish-speaking world through a wide range of practices and perspectives. The cultural themes will be explored through the lens of the Lasallian core values. Placement into this course requires successful completion of the Spanish I Proficiency Test. Advancement into Honors Spanish 3 is based upon performance on the final exams, department recommendation, and requires a grade of "C" or better in Spanish 2.

### **Honors Spanish 3**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of Spanish 2 with a grade of C or better

Higher-level communication skills are emphasized. More advanced grammar study coupled with vocabulary emphasizes real-life applications and gives students more tools with which to express their ideas. Knowledge of present and past tenses are reviewed and expanded, while structures facilitating conversation about future and hypothetical events as well as the present subjunctive are introduced. Through the use of readings, films, and music, students will explore social issues that provide a forum for discussion of themes that are relevant in today's global society and further expand the students' understanding of the vastness and richness of the Spanish Speaking world, its geography, and its culture. Placement in Honors Spanish 3 is determined by demonstrating proficiency on the final exam from Spanish 2, department recommendation, and earning a "C" or better in Spanish 2. It is an elective course unless students have entered La Salle at an advanced level of Spanish, in which case this class is required to fulfill the two-year graduation requirement. This course is highly recommended to complete preparations for college admission. Students are also able to earn 12 credits by enrolling in Spanish 101, 102 and 103 through Clackamas Community College as part of La Salle's dual credit agreement with CCC. There is a separate enrollment process and fee for these credits which transfer to many colleges and universities. Advancement into Honors Spanish 4 is based upon department recommendation and usually requires a grade of "C" or better in Spanish 3.

### **Honors Spanish 4**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of Honors Spanish 3 with a grade of C or better

Students learn to communicate on a widening variety of advanced topics through written and spoken language. They develop a rich vocabulary that allows them to express ideas and concepts with precision. More advanced grammatical knowledge, including verb mood and tense, broadens students' ability to communicate appropriately and correctly in a variety of settings. Expanding upon the topics covered in the previous years of study in Spanish, students will continue to explore culture through the use of readings, films, music, art, and geography and will further investigate social issues that are relevant today. Students are also able to earn 12 credits by enrolling in Spanish 201, 202 and 203 through Clackamas Community College as part of La Salle's dual credit agreement with CCC. There is a separate enrollment and fee for these credits which transfer to many colleges and universities. These credits combined with those earned in Honors Spanish 3 (for Spanish 101, 102 and 103 at CCC) may fulfill the language requirement for a Bachelor of Arts degree.

### **AP Spanish 5**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Placement test or completion of Honors Spanish 4 with a grade of C or better

The AP Spanish Language and Culture course takes a holistic approach to language proficiency and recognizes the complex interrelatedness of comprehension and comprehensibility, vocabulary usage, language control, communication strategies, and cultural awareness. The three modes of communication (Interpersonal, Interpretive, and Presentational) defined in the Standards for Foreign Language Learning in the 21st Century are the foundation of the curriculum. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of products, both tangible (e.g., tools, books) and intangible (e.g., laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions that underlie both practices and products). The class atmosphere is relaxed and students are expected to participate freely and creatively. Grammar is reviewed in order to aid communication. This course is designed to prepare students for the AP Spanish

Language exam in the spring. There is a separate enrollment and fee for the exam. Depending on the AP exam score, some colleges will transfer in college credits or count it as completion of a prerequisite.

---

## **PERFORMING AND FINE ARTS DEPARTMENT**

La Salle has an outstanding Performing & Fine Arts program. As an essential part of our college preparatory community, our educators provide excellence in both teaching of content and in fostering a deep appreciation of the human need to express itself in art, music, or theater.

Visual Arts include 2-D applications such as drawing, printmaking, painting, mixed media, photography, and design principles as well as 3-D applications, including ceramics and sculpture. AP Studio Art is an intensive college level course for students interested in building a strong portfolio of work.

Musical Performing Arts include choir, guitar, band, concert band, and music technology. As one of the most popular electives, choir performs at events, mass, Baccalaureate, and more. Beginning and advanced guitar students learn both musical theory and practice in a variety of genres including classical, folk, liturgical, blues and more. Band musicians study music history, improvisation, and perform at various events throughout the year.

La Salle's Theater Arts program produces 3 main stage productions each year in the fall, winter and spring as well as collaborating with other La Sallians in a variety of events such as Open Mic Nights, Artist's Aiding Artist's and Night on Broadway. Additionally, we offer a variety of performance and design centered classes for all skill levels.

### **Art Foundations**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: None

Students will be introduced to the basic foundations of Visual Arts including 2D applications such as Drawing, Printmaking, Painting, Mixed Media, Photography, and Design Principles as well as 3D applications, including Ceramics and Sculpture. Emphasis is placed on students' understanding of the elements and

principles of art. Demonstration of that understanding will be shown through student-centered art projects in a variety of mediums. Art history, Art theory, scientific principles in visual arts, and Art Criticism will also be integrated into learning, research, and exploration. Students will have opportunities to compete in National, State, and local competitions. Art Foundations meets the Fine Arts graduation requirement.

### **Advanced Art 2D**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Art Foundations

Advanced art students will continue to study in Drawing, and begin to be more independent in areas of study, including Printmaking, Painting, Mixed Media, Photography, Graphic Design, Digital Art, Mixed Media processes. Students will build a portfolio of work and learn to document, photograph and build a website for their artwork. Students will have opportunities to compete in national, state, and local competitions. Art 2D will prepare students for AP Studio Art coursework.

### **Advanced Art 3D**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Art Foundations

Advanced art students will be introduced to Art Fabrication including Ceramics, Mixed Media Sculpture, Jewelry, Paper, Metals, Wood, and Glass. Students will learn elements of design and art in relation to 3D art projects. Students will build a portfolio of work and learn to document, photograph and build a website for their artwork. Students will have opportunities to compete in national, state, and local competitions. Art 3D will prepare students for AP Studio Art coursework.

### **AP Studio Art**

Grade Level: 11-12

Credit: 1.0, Full Year

Prerequisite: Art Foundations, Advanced Art 2D or Advanced Art 3D

AP Studio art is a college-level course designed for serious art students who are looking to build a strong portfolio of work. The AP College Board studio classes are based on the completion of a portfolio that is submitted digitally and

physically to the college board. The portfolio consists of two sections, the sustained investigation and selected works. Student portfolios are reviewed by college, university, and secondary school art instructors using rigorous standards. This CollegeBoard program provides the only national standard for performance in the visual arts that allows students to earn college credit and/or advanced placement while still in high school. The curriculum for this course aligns with The College Board requirements. Students are encouraged to compete in various international and national art competitions as well as state and local contests.

### **Morning Choir (zero period)**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: None

Morning Choir is open to all students who want to improve their voice and sing in a choir. The class is designed for students who have a scheduling conflict with other Choir classes. Morning Choir will perform with the Concert Choir at Christmas and Spring concerts, and other community and school events. Students are also given the opportunity to participate in the Oregon Music Educators Association solo and ensemble contests. Morning Choir will meet Monday, Tuesday, Thursday and Friday mornings. Morning Choir is a year-long class and is open to all students. Students in this class can compete in district and state solo festivals and choir festivals.

### **Concert Choir**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: None

La Salle Concert Choir is open to all students who want to learn how to improve their voice and sing in a choir. Students will perform in concerts, competitions, festivals, and other events. They will develop an appreciation for and an interest in music and the fine arts as a part of their lives. This choir class can be taken for credit each year (freshman through senior year) and can be taken for all 4 years. Choir is a year-long class and fulfills 1.0 credit of the Fine Arts requirement. With the teacher's recommendation, students can opt to have half of their year fulfill their Speech Requirement (.5 credit). Students in this class can compete in district and state solo festivals and choir festivals.

### **Band (zero period)**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Beginner playing ability on a woodwind, brass, string or percussion instrument, as well as a beginner's knowledge of reading music

This class is for students to participate in an instrumental wind band ensemble. Students may participate on their woodwind, brass, string or percussion instruments. This performance-based ensemble will focus on performing selections of classical, jazz and popular music. Students will be taught to develop their ear-training in order to transcribe and arrange music for the ensemble as a creative composing activity. Students will perform for school concerts (December and May), athletic events at La Salle and other special events throughout the year. Attendance is required at all performances. Band students are eligible to compete in the annual State Solo & Ensemble contest, as well as All-State Band and WIBC contests.

### **Beginning Brass**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Instrument rental required, no prior musical experience necessary

For students interested in learning how to play a brass wind instrument (trumpet, French horn, trombone, euphonium, tuba) but have not yet had the opportunity. Students will learn everything needed to start playing including correct playing technique, reading sheet music, proper instrument care, a daily practice routine and hours of ensemble performance practice. Students will perform with other ensembles at the end of each semester as part of music department concerts. Attendance is required for all performances.

### **Guitar 1**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

Students will need their own guitars as they learn about music and guitar playing. Get ready for bar chords and strum patterns that will last a lifetime. We will have hands-on experience with many styles of guitar playing including rock, blues, folk and classical. Get ready to know the guitar so well that you can sing as you are playing. Can you read music and TAB? You will in this class.

## **Guitar 2**

Grade Level: 10-12

Credit: 0.5, Semester

Prerequisite: Guitar 1

Serious guitar playing from here on in. You are now an intermediate level musician who will play intricate songs with powerful picking patterns. You will also learn some advanced rock, blues and classical techniques.

## **Advanced Guitar**

Grade Level: 11-12

Credit: 1.0, Full Year

Prerequisite: Guitar 1 and Guitar 2

Ready to do some advanced soloing? Ready to know a cutting edge portfolio of music that is better than most high school guitar players in the country? Take this class. A repeatable class for serious guitar students.

## **Electronic Music 1**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

This is an introductory course to audio production and musical composition. Electronic Music is a project-based class that provides the knowledge and tools for anyone to create their own music using electronic instruments, sampling and looping. Expect to learn how music works from a new perspective and learn how to analyze musical styles in order to sharpen your skills. No prior musician background is needed, just bring your best listening ears. All class work is designed to be completed during class time without the need for additional homework. By the end of the semester, you should be able to create new music from your mind to share with the world.

## **Electronic Music 2**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: Successful completion of Electronic Music 1 or teacher recommendation

Electronic Music 2 is designed to continue and develop skills learned in Electronic Music 1. This project-based class will touch on more advanced musical



composition ideas and extended production techniques within the Soundtrap and Reaper DAWs, in addition to learning about the science and construction of synthesized sounds. Students can expect to record and manipulate audio using a variety of samplers and synthesizers for projects. All class work is designed to be completed during class time with a minimal need for additional homework.

### **Introduction to Theater**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

The purpose of the Introduction to Theater course at La Salle Prep is to give all students a strong foundation of stage skills to aid in the early exploration of performance techniques, storytelling and essentials. The course is designed to expose the student to all areas of the theater both on stage and off, through individual and group performances, projects and written assessments. This isn't just an acting class, this is a class helping build foundational skills in storytelling, finding your own voice, building your confidence and developing your creative problem solving skills.

### **Designing & Directing**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: Introduction to Theater or Technical Theater, or with Teacher Permission

The purpose of Designing and Directing at La Salle Prep High School is to further develop the art-form of storytelling, organizational management, leadership skills and prepare the student for a life-time of learning and service to creative arts and the world. As a performance and production based class, the student will be expected to write, design, organize, sometimes act and direct a variety of stories. In part, a student's grade will be reflective of both the work they do in the class and the quality of that work. The student will have an opportunity to develop their interest and talent in the various skills needed in mounting a production; working with actors. Learning problem-solving and proactive leadership skills, developing your own "style" of leadership and helping you learn strategies for building healthy relationships and healthy communities.

### **Advanced Acting and Production**

Grade Level: 11-12

Credit: 1.0, Full Year

Prerequisite: Completion of one of the following courses Introduction to Theater, Directing and Management, Technical Theater and Scenic Construction and audition or application

The purpose of Advanced Acting & Production at La Salle Prep is to further develop the art-form of acting and prepare the student for a lifetime of learning and service to art and the world. As a performance-based class, students are expected to produce the winter show in the fall, and the Filmmaker's Gala and Theater Awards Night in the spring. Students have an opportunity to develop their interest and talent in the various skills needed in mounting a production; such as acting, lighting, sound design, set production, costume design, and production make-up artistry etc. This course counts towards the Fine Arts graduation requirement.

### **Technical Theater & Scenic Construction**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

The purpose of the Technical Theatre & Scenic Construction class at La Salle Prep High School is threefold. One, to learn, build and increase the skills of the student in all aspects of production design. Two, to develop the techniques needed to design and implement production designs and other technical elements; and third, to support the design and production work for the Fall production, the Winter One-Acts and the Spring Musical. This is a hands-on class in which we learn to use power tools, interpret sketches and blueprints, design our own projects and build the worlds of the La Salle shows. Have you thought about using a chop saw, staple gun and rotary blade? Join this class to learn those skills through project based learning.

### **Filmmaking and Screenwriting**

Grade Level: 10-12

Credit: 1.0, Full Year

Prerequisite: Demonstrate an interest in filmmaking and screenwriting

This filmmaking course will feature a mixture of project based and dynamic production and project based curriculum for students interested in developing as digital storytellers. It is appropriate for students motivated to learn about cinema as an important medium for self-expression and art. This course will be

project intense, time-consuming, structured, and rewarding. Filmmaking is a time-sensitive activity and requires each student to work in a cooperative environment and show leadership in managing time, personalities, and projects. Because a portion of this class is project based, students will be expected to, at times, work independently while still managing deadlines. During the first semester students will learn about filmmaking techniques and basics of Adobe Premiere, After Effects, Audition and Animate while developing an original short film script. Second semester students focus on enhancing their technical and creative skills while shooting a short film to be premiered at the Filmmaker's Gala in May.

---

## **HEALTH & PHYSICAL EDUCATION DEPARTMENT**

The Health Department curriculum is designed to help students better understand the connections among physical, mental, social, and spiritual well being. As students become more aware that the decisions they make today can have immediate and long-term consequences, they are also given the opportunity to develop positive habits that will lead to happier, healthier lives.

These decisions and habits, combined with taking personal responsibility for their own health, allow students to create and maintain a supportive community where they are determined and encouraged to make a positive difference in the world.

### **Health 1**

Grade Level: 9

Credit: 0.5, Semester

Prerequisite: None

This curriculum focuses on the mental/emotional and social aspects of health. It is designed to help students develop the tools needed to make healthy decisions that assist them in building character, goal setting, coping with the challenges of life and building positive relationships. Units and topics include emotional and mental health, mental illness, goal setting around healthy habits, managing stress, effective communication, resolving conflicts, addiction as it relates to alcohol/tobacco/drugs/internet, peer relationships/dating, and nutrition.

## **Health 2**

Grade Level: 10

Credit: 0.5, Semester

Prerequisite: Health 1

Health 1 is a prerequisite for Health 2. This curriculum focuses on the mental/emotional, spiritual, social and physical aspects of health. The course focuses on the structure and functions of major body systems including the skeletal, muscular, circulatory, respiratory, and reproductive systems. The course also concentrates on how to properly care for these systems as well as how to prevent specific conditions or problems from occurring. Nutrition, heart disease, sexually transmitted diseases, AIDS, environmental pollution and health disparities are also covered. Students also have the opportunity to learn American Red Cross in Standard First Aid and CPR.

## **Zero Period Sports Training and Conditioning**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: Successful completion of PE, Weight Training, and/or Women's Strength and Conditioning

This course meets four days per week (M, T, Th, F) from 7:30-8:15 a.m. This is a very active independent participation course. The course is designed for the experienced (JV or Varsity) student-athlete. Each student will develop a training schedule based on their individualized goals. Weight training will be the primary emphasis but work in the areas of speed, agility and quickness as well as functional sport movement will be emphasized. This course can be used to satisfy 0.5 credit of the PE requirement. Students are encouraged to vary their PE experience so that each 0.5 credit is from a different style of PE offering.

## **Weight Training**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

This is an intense individualized weight-training (Periodization) program focused on functional movement patterns, muscular endurance and power in conjunction with core strength, flexibility, & stability. Increased muscular strength, speed, quickness, and agility are byproducts of the course focus. Instruction includes weight-room safety, musculoskeletal anatomy, and weight

training theories. Full-body workouts will be done 3 days/week with the inclusion of speed & agility exercises, to develop quickness and explosive power. This course is designed for the student who is serious about developing strength, speed, agility, and movement skills. This course can be used to satisfy 0.5 credit of the PE requirement. Students are encouraged to vary their PE experience so that each 0.5 credit is from a different style of PE offering.

### **Physical Education**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

The general purpose of the course is to promote life-long physical activity and to develop an understanding of the benefits of being healthy. This is a course designed for students who enjoy playing a variety of sports and activities such as; badminton, flag football, volleyball, pickleball, tennis and basketball. There will be many PE-style games as well. No previous experience is needed for activities, but desire to participate to the best of your ability is essential. There will be off-campus activities such as golfing, rock climbing and hiking. This course can be used to satisfy 0.5 credit of the PE requirement. Students are encouraged to vary their PE experience so that each 0.5 credit is from a different style of PE offering.

### **Yoga Power**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

The general purpose of the course is to promote life-long physical activity and to develop an understanding of the benefits of being healthy. This class will present various techniques in yoga. Yoga means union, and refers to the union of the body, mind, and breath. Students will work to develop core strength and practice strategies for mindful breathing. The emphasis in this class will be asana practice which refers to poses and postures designed to develop flexibility, muscular strength, and muscular endurance. Emphasis will be placed on correct alignment and safe practice. Yoga students will also identify stress reduction techniques. This course can be used to satisfy 0.5 credit of the PE requirement. Students are encouraged to vary their PE experience so that each 0.5 credit is from a different style of PE offering.

## **Women's Strength Conditioning**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

This is an intense individualized weight-training (Periodization) program focused on functional movement patterns, muscular endurance and power in conjunction with core strength, flexibility, and stability. Increased muscular strength, speed, quickness, and agility are byproducts of the course focus. Instruction includes weight-room safety, musculoskeletal anatomy, and weight training theories. Full-body workouts will be done 3 days/week with the inclusion of speed and agility exercises, to develop quickness and explosive power. This course is designed for the female student who is serious about developing strength, speed, agility, and movement skills. This course can be used to satisfy 0.5 credit of the PE requirement. Students are encouraged to vary their PE experience so that each 0.5 credit is from a different style of PE offering.

---

## **TECHNOLOGY AND MEDIA ARTS DEPARTMENT**

Our goal is for students to become self-directed learners, problem-solvers, and ethically responsible citizens prepared to meet the challenges and opportunities of a global, technological society.

Computer technology should be used as a vehicle for communication, analysis, research, and innovation in the light of Catholic values and morality.

We are committed to the integration and effective use of technology to further our educational mission.

### **Innovation Lab**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

This course focuses on the design process. Students will learn how to use the center's tools, such as 3-D Printers, a Laser Engraver and other technological tools as a means of engaging in design thinking and problem-solving processes. Additionally, students will learn 3D design programs and Adobe Illustrator. This

project-based course will include both individual and collaborative opportunities to demonstrate mastery.

### **Advanced Innovation Lab**

Grade Level: 10-12

Credit: 0.5, Semester

Prerequisite: Successful completion of Innovation Lab or teacher recommendation

In this course, students learn and implement elements of Design Thinking and computer design software through ideation, modeling, and prototyping. Students work with a variety of tools such as laser cutters, 3D printers, textiles, and woodworking to develop and produce projects. Students are encouraged to embrace challenges and struggles by working through trial and error, and to seek solutions through peer review and personal reflection. Additionally, students learn to develop product timelines, budgeting, planning, and keeping detailed notes regarding the product's progress. Students are expected to maintain and update their product's design and implementation in a Google Sites portfolio.

### **Computer Science 1**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

Students will explore the essential components of computers and networks, gaining an understanding of how hardware, software, firmware, and operating systems work together. They will learn how digital information is stored, processed, and shared, while developing skills in troubleshooting and technical support. The course also covers the global impact of computing and introduces students to basic programming, including writing original programs. This hands-on course requires no prerequisites, though basic computer familiarity is helpful. The skills gained are valuable for home use, future Computer Science courses, and a wide range of technology careers.

### **Computer Science 2**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: Successful completion of Computer Science 1 or teacher recommendation

Students will expand on the foundational knowledge gained in Computer Science 1 by exploring more advanced concepts in hardware, networking, cybersecurity, and artificial intelligence. They will further develop their programming skills through larger, more complex projects.

### **Robotics 1**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: None

Students in Robotics 1 work with a provided robotics kit to design, build, and program interactive robots. Through hands-on projects, they explore key concepts in design, engineering, and programming. Using advanced sensors, students create robots capable of interacting with their environment. This course is designed for beginners and requires no prior experience in building or programming.

### **Robotics 2**

Grade Level: 9-12

Credit: 0.5, Semester

Prerequisite: Successful completion of Robotics 1 or teacher recommendation

In Robotics 2, students further develop their engineering and programming skills. Using a provided robotics kit and text-based programming, they design, build, and program more advanced robots. This hands-on, project-focused course builds upon the foundation established in Robotics 1, introducing significantly more complex engineering and programming challenges.

### **Computer Game Design 1**

Grade Level: 9th-12th

Credit: 0.5, Semester

Prerequisite: None

This course introduces students to the fundamental software development process. Using a provided framework, students design and develop 2D computer games. Basic programming skills are required to complete these projects. Throughout the course, students will create a variety of games, which may include examples such as platformers, puzzle games, or arcade-style games.

### **Computer Game Design 2**



Grade Level: 9th-12th

Credit: 0.5, Semester

Prerequisite: Successful completion of Computer Game Design 1 or teacher recommendation

Ready to take your game development skills to the next level? In this course, students explore advanced programming techniques to create more complex and engaging games. They will learn how to manage data and structures more effectively, enabling richer and more dynamic gameplay experiences. This course also serves as a great foundation for students planning to explore Java Programming.

### **Digital Logic**

Grade Level: 9th-12th

Credit: 0.5, Semester

Prerequisite: Concurrent enrollment in Geometry or higher

This is an introductory course in digital logic. Students will design and build circuits using digital logic; both on a simulator and hands-on with a breadboard. The student will be able to: design, analyze, and construct a circuit using digital logic. AOI, NAND, and NOR logic systems will be used to control the output of these circuits. Basic latches and flip-flops will be used to create asynchronous counters to “automate” the numerals of a seven-segment display.

### **AP Computer Science A**

Grade Level: 10th-12th

Credit: 1.0, Full Year

Prerequisite: Successful completion of Algebra 1 and Computer Science 1

This course focuses on developing the skills to create and work with the technologies shaping the future, while tackling real-world problems. In this course, you'll learn to design, write, and implement computer programs using a subset of the Java programming language. You'll explore concepts such as algorithms, data structures, and problem-solving techniques to build efficient and effective solutions.

---

## **GENERAL ELECTIVES**

**Leadership**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: Application

Leadership empowers students to take initiative in shaping their school community through hands-on event planning and engagement. They organize dances, pep assemblies, fundraisers, spirit weeks, and school-wide activities, fostering a strong sense of school spirit and support for athletics and the arts. Students develop essential skills in public speaking, budgeting, time management, and social media engagement. Through collaboration and creativity, they learn to lead with confidence, partner with their peers, and create meaningful experiences for their school.

**Learning How to Learn**

Grade Level: 9 (required)

Credit: 0.5 Semester

Prerequisite: None

This class prepares 9th grade students with knowledge, strategies, and skills related to how to succeed academically at La Salle while supporting their lifelong learning development.

**Yearbook**

Grade Level: 9-12

Credit: 1.0, Full Year

Prerequisite: None

Yearbook teaches students the fundamentals of journalism, photography, design, and storytelling as they work to create a published record of the school year. Students develop skills in layout design using eDesign and Canva, writing compelling captions and articles, and managing deadlines to produce a cohesive final product. They also learn teamwork, organization, and attention to detail while capturing the moments that define the school community.

**iStudy**

Grade Level: 9-12

Credit: No credit, Semester

Prerequisite: None

iStudy is an independent study hall course. iStudy provides times for students to complete academic work in the library. This course is not taken for credit.

### **Honors Pass**

Grade Level: 12

Credit: No credit, Semester

Prerequisite: Minimum GPA of 3.0 and meeting attendance expectations

Honors Pass is a senior only independent study hall. Seniors who maintain a 3.0 GPA or above and have consistent attendance are eligible to have an Honors Pass in their schedule. This course is not taken for credit.

### **Teacher Assistant**

Grade Level: 11-12

Credit: 0.5, Semester

Prerequisite: Teacher and Vice Principal for Academics approval

Teacher assistants are assigned to a specific teacher or staff member to complete clerical tasks. Students are awarded a grade of credit or no credit.

### **Educational Assistant**

Grade Level: 11-12

Credit: 0.5, Semester

Prerequisite: Teacher and Vice Principal for Academics approval

Educational assistants support student learning; acting as a peer tutor in the classroom or the library. Educational assistants are directed by teachers and are present in the classroom to help facilitate classroom activities. Students are awarded a grade of credit or no credit.