

La Salle High School

2019-2020 Course Catalog

updated on March 21, 2019



English Department Courses

English 1 *:

The goal of English 1 is to strengthen a student's skills as a critical reader and also as a capable writer in preparation for college and career. The course is structured according to the basic genres of literature: short story, nonfiction, novel, poetry, and drama. This course helps develop the skills necessary for academic reading and writing and has a special focus on composition. At the freshmen level, the main focus will be learning how to write strong, cohesive, and unified paragraphs. Through assignments involving critical reading, response, and research, students will generate complex questions and explore multiple perspectives. Students will also become familiar with a variety of formats, focusing especially on analytical and persuasive writing. Students will learn some of the basics of academic research, including proper citations and how to distinguish a valuable source from one less worthy of attention. **Students may earn honors credit by satisfying additional requirements.**

English 2 *:

The goal of English 2 is to introduce and develop skills in literary analysis and writing. Each will be equally emphasized. The course is structured according to the basic genres of literature: short story, nonfiction, novel, poetry, and drama. Within this structure, students are challenged to deepen their knowledge and practice of study skills and to identify thematic patterns in the literature. Thinking and reasoning skills will be developed to encourage appreciation and aptitude for the study of literature. Emphasis is placed on expanding their vocabulary, learning the importance of writing as a process fed by practice in grammar and form, and developing strength in oral communication skills. **Students may earn honors credit by satisfying additional requirements.**

English 3 *:

In this course the students will further develop abilities to analyze literature, think critically, and write clearly and appropriately. Using many different genres of America literature, including novels, short stories, poems, essays, commentaries, and drama, the students will be exposed to various styles of writing and perspective of the American experience and culture throughout its history. The course is also designed to help the students recognize and understand the influence of the social issues of the different time periods and their relevance to contemporary thought. Students will be expected to cultivate their capabilities in writing, by sharpening their mechanics and style. The course heavily emphasizes composition techniques in various types of writing, including, but not limited to, persuasive and expository writing, narrative and prose comparing and contrasting, and opinion and commentaries. All types of writing will involve clarity of expression, organized presentation, and depth of content.

Honors Students will:

- fulfill Honors expectations 1st and/or 2nd semester to receive an Honors designation on their transcript.
- achieve a grade of at least 88% (B+) both 1st & 2nd semester in English 3.
- thoroughly complete all Honors assignments and earn a minimum grade of 85% (B) on those assignments.
- Students will meet as designated usually at lunch for discussion. Failure to attend can result in loss of Honors credit.

English 4:

In this course the students will further develop abilities to analyze literature, think critically, and write clearly and appropriately. During first semester, English 4 focuses on elements of dystopian societies and the subsequent satire presented in these environments. The students will be exposed to and analyze various works which present strong commentaries on humanity and the status quo. Second semester is the Shakespeare Unit. Student will review previous curriculum as well as engage in a survey of 12-15 of the Bard's most prominent plays, addressing and reinforcing the satire of dystopian elements mastered in the first term. The unit culminates in a large project. Overall, the course is designed to help the students recognize and understand the influence of the social issues of present day and their relevance to contemporary thought. Students will be expected to cultivate their capabilities in writing, by sharpening their mechanics and style. The course also heavily emphasizes discussion in various forms, including, but not limited to, persuasive discourse and debate, opinion and commentary. Both the written and oral elements of the course will involve clarity of expression, organized presentation, and depth of content.

UWHS English Composition - Exposition:

This course focuses on the study and practice of good writing. Topics are derived from a variety of personal, academic, and public subjects. Students will scaffold toward final written products that feature application of four essential outcomes as defined by the University of Washington's English Writing Program. This course satisfies both La Salle High School graduation requirements for English (1-semester) and receives 5 college credits through the University of Washington (fees required). Offered fall semester only. **Prerequisite: teacher permission.**

UWHS English Composition- Literature:

This course focuses on the study and practice of good writing. Topics are derived from reading and discussing stories, poems, essays and plays. Students will scaffold toward final written products that feature application of four essential outcomes as defined by the University of Washington's English Writing Program. This course satisfies both La Salle High School graduation requirements for English (1-semester) and receives 5 college credits through the University of Washington (fees required). Offered spring semester only. **Prerequisite: teacher permission.**

Religious Studies Department Courses

Religious Studies 1:

Religion 1A - Introduction the Bible

This one semester freshmen class will begin with an introduction to our Lasallian heritage and the world-wide Lasallian Institute today. As the course proper begins, our study will lead each student toward a deeper understanding of the Bible and the history of salvation presented within it. Students will become familiar with the design and structure of the bible and develop an understanding of basic exegetical skills. The class will come to know the people of our salvation history: the early leaders of Israel, the judges and kings and the prophets. Finally, students will study how Jesus Christ became the fulfillment of salvation history and the Israelites covenant with God.

Religion 1B - Jesus Christ

In this second semester freshmen course, students encounter Jesus Christ, the Second Person of the Trinity. This course leads the students toward a deeper understanding of divine Revelation, the Trinity, the Incarnation, Jesus, salvation, and discipleship as a response to God's love. This course will lead students through a thorough examination of the Gospels and cover Paul's letters and his profound insight into the nature and meaning of the Risen Jesus. Students will continue to become familiar with the design and structure of the bible and continue their practice of basic exegetical skills

Religious Studies 2:

Religion 2A - The Paschal Mystery

The first semester sophomore course focuses on Jesus Christ as he is revealed in the witness of the New Testament. Emphasis is on both Jesus' humanity and divinity, as one who heals, forgives, and serves. Students learn about and engage in the methodological study of Scripture in the Catholic Christian tradition, with an emphasis on literary form and historical-critical method. This course builds on the concepts introduced in freshmen year.

Religion 2B - The Church

The second semester course begins at the inception of the Church founded on their transformative experience of the Risen Christ on Easter Sunday. The Book of Acts and the letters of St. Paul are used as a starting point. Through this historical lens, the nature of the Church being one, holy, catholic, and apostolic is discussed. Students learn about the sustaining and renewing force of the Holy Spirit throughout the centuries, especially in the lives of Catholic Christians throughout the ages. Particular attention is paid to the Second Vatican Council and the election of Pope Francis as the latest waves of renewal in the Church.

SCRIPTURE:

Course offered in the Fall Semester.

CHURCH:

Course offered in the Fall Semester.

Math Department Courses

Pre-Algebra:

The Pre-Algebra course is to serve as a bridge between elementary mathematics and Algebra 1. It is designed for incoming freshmen who have not yet acquired the skills and concepts to be successful in La Salle's Algebra 1 course. This course will build a foundation of algebraic concepts through the use of technology, manipulatives, problem solving, and cooperative learning. Concepts include algebraic expressions, linear equations, polynomials, factoring, inequalities, geometry, statistics, and graphing. Problem solving, reasoning, estimation, and connections between math and everyday applications will be emphasized throughout Pre-Algebra.

Algebra 1:

This first course in algebra includes a review of basic arithmetic skills, solving equations, factoring fractions, linear and quadratic equations, functions, inequalities, word problems, and rational and irrational numbers. Emphasis is placed on problem solving and application principles.

Geometry:

This course emphasizes the development and understanding of the power and application of deductive and inductive proofs. The study of three-dimensional figures is covered. Attention is paid to logical argument and computation involving geometric plane and solid figures. The study of real numbers begun in Algebra 1 is related to geometric concepts.

Algebra 2 *:

This course includes a thorough review of important topics covered in a first course in algebra as well as the development of related skills. New topics may include exponential functions and logarithms, sequences and series, and matrices. Some basic trigonometric concepts may be included. Emphasis is placed on both understanding and the development of important problem-solving skills. **Honors students will meet each week to prepare for SAT Subject Test. In order to earn credit in Honors Algebra 2, students must earn at least a 500 on the SAT Math Level 1 test.**

Pre-Calculus:

In preparation for calculus and other college level mathematics courses, this course includes: functions and the graphs of functions, trigonometry, polynomials, systems of inequalities and linear programming, exponential and logarithmic functions, complex numbers and polar coordinates, the conic sections, sequences, series and limits, as well as an introduction to calculus.

Statistics:

In this one-semester course offered in the fall, students will work with probability, data collection, descriptive and inferential statistics, probability, and technological tools to analyze statistics. The main focus of the course will be exploring data, planning a study, producing models using probability theory, and making statistical inferences. Students will work with statistical measures of centrality and spread, methods of data collection, methods of determining probability, binomial and normal distributions, hypothesis testing, and confidence intervals. Students will use multiple representations to present data including written descriptions, numerical statistics, formulas, and graphs.

Personal Finance:

This one-semester course offered in the spring will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

AP® Calculus AB:

Building enduring mathematical understanding requires understanding the why and how of mathematics in addition to mastering the necessary procedures and skills. To foster this deeper level of learning, AP Calculus AB is designed to develop mathematical knowledge conceptually, guiding you to connect topics and representations throughout the course and to apply strategies and techniques to accurately solve diverse types of problems. **Pre-requisite: B or higher in Pre-Calculus or teacher approval.**

Social Studies Department Courses

World History *:

This course is an introduction to the history of mankind. We begin with hominid ancestors and then trace the development of major civilizations, diverse human cultures, technologies, governments and religions all the way up through the two World Wars. The primary objectives are twofold: students will 1) become familiar with a broad base of general content knowledge that allows them to be more fluent and informed members of society, and 2) develop their mastery of critical reading and textual analysis through the use of both primary and secondary historical sources. **There may be an Honors World History option for the 2018-2019 school year. Students may earn honors credit by satisfying additional requirements.**

US History:

This class will expose you to the study of events from the 1500s to the present looking at the development of events from a US and global perspective. During the first semester the class will look at the United States from early colonization to the Civil War. In the second semester we will take a more global approach to our study and look and how the world has developed from the late 1800s to the present. The study of this history will encompass analysis of events, cause and effect relationships, and the use of primary sources.

AP® US History:

This course is equivalent to two semesters of college 1000-level United States history. Course expectations reflect this fact – punctual submission of completed assignments, excellent attendance, minimal tardiness, and respect for fellow students, the teacher, and the content. It is intended for motivated students who wish to complete studies in the secondary-school equivalent to college introductory courses in the field of American history. **Pre-requisite: B or higher in World History or teacher approval.**

Contemporary World Issues (CWI):

In this course, students apply knowledge gained in previous years of study to pursue a deeper understanding of the institutions of American Government and the social structure that is in place to address pressing needs in our world. In addition, they draw on their studies of World and American history, geography, and other societies to compare differences and similarities in world governmental systems today. This course is the culmination of history/social sciences classes to prepare students to solve society's problems, to understand and to participate in the current events, and to be a responsible citizen of the United States and the World.

Science Department Courses

Physical Science:

Physical Science is a one-semester introductory course that explores the concepts of physics and chemistry. The course is designed both to help students understand the natural world and to help prepare students for future science classes. A strong emphasis is placed on hands-on experimentation where students will be spending most of their time investigating scientific phenomena. The goal of this type of scientific inquiry is for students to discover concepts rather than the concepts simply being learned from lecture material. Students will learn how to use various tools in a laboratory, how to design an experiment with controls and variables and how to collect and analyze data. Concepts include the scientific method, the metric system, phases of matter, density, the periodic table and chemical reactions.

Biology *:

Biology features a year-long curriculum in life science and emphasizes cellular physiology, genetics, plant and animal classification, anatomy, ecology, and evolution. This class will provide students with the tools to appreciate the life that surrounds us, the interdependence of all life on earth and the interactions between the living world and the non-living physical factors of earth. Students will also gain an understanding of how living organisms change over time and the forces that drive the change. Field trips, the salmon hatchery and Ahtanum Creek on campus are also part of the course. **Honors students will meet each week to prepare for SAT Subject Test. In order to earn credit in Honors Biology, students must earn at least a 500 on the SAT Biology E or SAT Biology M test.**

UWHS Chemistry:

UWHS Chemistry is a one-year laboratory problem-solving science course that delves into atoms, their structure and their interactions with one another in the form of chemical reactions both in the laboratory and in the chemical world that surrounds us. Concepts such as matter, molecules, laws and energy will be introduced, which will then provide the students with the opportunity to test their knowledge through hands-on experimentation. The goal of this type of scientific inquiry is for students to discover concepts, to document their observations and to create information. Classic experiments will be combined with computer-based techniques in laboratory activities to provide detailed results that reinforce the material learned in lecture. Students may choose the option of taking the course as part of the University of Washington in the High School program. This program allows students to earn college credit, while taking the course at La Salle. Students that pursue this option will be required to complete additional work and to take regular exams provided by the university.

UWHS Physiology ^:

Survey of Physiology is a UWHS course that examines physiological processes in the human body. Students taking this elective science course are eligible for UW credits. We will begin the semester at the molecular/cell level and then examine the major organs and body systems in greater detail. The major topics of investigation include the skeleton, nerves and senses, circulatory, immune, respiratory, renal, digestive and reproductive systems. **Prerequisite: teacher permission.**

Environmental Science:

Environmental Science is a one-semester advanced science elective that will cover the concepts of ecology, ecosystems, population dynamics, biodiversity, renewable and non-renewable earth resources, energy, pollution and sustainability. The course will be lab/field based with the La Salle campus and Ahtanum Creek used extensively. Ahtanum Creek and the associated 9 acres of riparian habitat on campus provide a real-world lab experience and the class spends a significant amount of time at the creek. All that we have learned during the class is brought together in the final month as we lead field days for students from local elementary schools.

Environmental Science 2:

This course would be taken in addition to environmental science I. Students will learn advanced topics such as mark-recapture sampling of animals, vegetation sampling, and data analysis. Students will do a class-wide research project on an environmental science topic related to the Ahtanum Creek environment.

AP® Physics 1:

AP Physics is a one-year algebra-based (non-calculus) lecture and laboratory problem-solving course that explores the physical world and the natural laws that govern it. This is an elective science course that examines the phenomena of motion, electricity, light, heat and sound where matter, forces, energy and magnetism collide. Studying physics provides students with the tools and knowledge to test various phenomena using the scientific method in the form of hands-on experimentation. Understanding the laws of physics allows students to make predictions about their experiments and allows them to compare their results with the expected findings. While it is highly encouraged to prepare for the AP exam, it is not required to take it at the end of the year. **Pre-requisite: B or higher in UWHS Chemistry and previous math course (preferably Pre-Calculus) or teacher approval.**

World Languages Department Courses

Spanish 1:

This is an introductory course to learn the Spanish language. Students will learn to identify and explain articles, nouns, adjectives, adverbs, and object pronouns in Spanish. They will also analyze important verbs in the present tense of Spanish such as ser, estar, tener, gustar, and AR/ER/IR verbs. Students will be able to interpret and discuss vocabulary words that pertain to greetings, descriptions, school, clothing, activities, food, shopping, sports, family, home, and health. Finally, students will develop an understanding and appreciation of Hispanic culture locally, nation-ally, and globally.

Spanish 2:

Spanish 2 begins with a review of the material presented in Spanish 1. In Spanish 2, students will go a little deeper into the world of present tense verbs and pronouns, and will be discovering past tense verbs, commands, and reflexive verbs. Furthermore, students will be getting acquainted with more vocabulary to help get around in the Spanish-speaking world. We will be focusing on different countries and cultures, all in an effort to deepen understanding and appreciation of Hispanic culture globally, nationally, and in their own community.

Spanish 3:

Course is designed to allow students to build upon previously learned vocabulary and grammar acquired in Spanish 2, provide students with opportunities to combine old and new skills to compose complete thoughts in writing and speaking, to develop a more advanced listening comprehension, and especially to become more confident in speaking. The course will include many opportunities to become familiar with the concepts and strategies related to the AP Spanish course that follows.

Spanish for Speakers:

Course is designed for those students whose first language is Spanish, and/or who speak it fluently. Emphasis will be on practicing reading and writing basics, as well as focusing on the rules of spelling and accents. Learning about the differences and similarities of lands distant from that with which they are familiar, will also be a primary goal. This will take place through appreciation of literary works created by Latin-American writers, the study of historical events and important figures, as well as the study of world maps.

Spanish for Speakers 2:

Course is designed for those students whose first language is Spanish, and/or who speak it fluently. Students must have already taken the first year of Spanish for Speakers. Emphasis will remain on continuing to master good reading and writing skills in the target language and developing a deeper knowledge of advanced vocabulary as it relates to Latin-American literature. At this level, there is also a more intense focus on public speaking, literature analysis, geographical knowledge, as well as an appreciation for art, dance and other cultural aspects of the Spanish-speaking world.

AP® Spanish Language & Culture:

Course is designed to be an intensive immersion into the Spanish language and the cultures of the world in which it is found. The course will be exclusively taught in Spanish, and students will be expected to use the language daily, both in and outside the classroom. Coursework will consist of listening, speaking, reading, and writing, using a combination of textbooks and real-world sources. Students will be expected to express thoughts and views on a variety of topics, including those emphasized within the themes of the AP Language and Culture Exam: *Families and Communities, Science and Technology, Beauty and Esthetics, Contemporary Life, Global Challenges and Personal & Public Identities*. The course prepares students for the AP Exam and for further study of the Spanish language, culture, and literature. A student who completes this course will achieve the skills and knowledge required to pursue an advanced level, college or university, Spanish language course. While taking the AP Exam is not a requirement, by attempting the AP Exam, a student who achieves a score of 3, 4 or 5 could be eligible to receive college or university credits commensurate with his/her score. **Pre-requisite: B or higher in Spanish 3 or teacher approval.**

Health and Physical Education Department Courses

P.E. and Health:

The Physical Education and Health course is structured to introduce basic principles of healthy living, as well as actively participate in a variety of activities intended to promote a healthy, active lifestyle. The class is designed so students learn about themselves, study health-related issues, and participate in physical fitness.

Weight Training - 0 Period:

This course meets before school promptly at 6:45AM. Daily attendance is required for credit. This course is designed to serve two purposes. First, the class is intended to teach proper lifting techniques, safety, and structured workout components to high school students. Secondly, a more advanced opportunity is to develop student-athletes for athletic achievement at the highest high school level and to prepare them for college athletics. The course will include a structured workout routine that is designed to help improve students' strength, conditioning, fitness, and kinesthetic awareness through a variety of exercises including strength training, plyometrics, as well as drills to improve quickness, explosiveness, and agility. In addition to the physical fitness component, the course will introduce students to the basics of human anatomy and body movement, as well as nutrition, exercise technique, program design, and testing and evaluation.

Weight Training:

This course is offered during the school day. This course is designed to serve two purposes. First, the class is intended to teach proper lifting techniques, safety, and structured workout components to high school students. Secondly, a more advanced opportunity is to develop student-athletes for athletic achievement at the highest high school level and to prepare them for college athletics. The course will include a structured workout routine that is designed to help improve students' strength, conditioning, fitness, and kinesthetic awareness through a variety of exercises including strength training, plyometrics, as well as drills to improve quickness, explosiveness, and agility. In addition to the physical fitness component, the course will introduce students to the basics of human anatomy and body movement, as well as nutrition, exercise technique, program design, and testing and evaluation.

Fitness for Life:

The Fitness for Life class is a semester course, which can be taken both semesters, that will focus on the elements of fitness and different styles of the fitness world. The course will examine nutrition, first aid in cases of fitness injuries, and healthy choices. The bulk of the class will be dedicated to understanding the importance and the different ways of being active beyond high school.

UWHS Physiology ^:

Survey of Physiology is a UWHS course that examines physiological processes in the human body. Students taking this elective science course are eligible for UW credits. We will begin the semester at the molecular/cell level and then examine the major organs and body systems in greater detail. The major topics of investigation include the skeleton, nerves and senses, circulatory, immune, respiratory, renal, digestive and reproductive systems. **Prerequisite: teacher permission.**

Visual and Performing Arts Department Courses

Band:

Band is performance ensemble open to all instrumental music students at La Salle. Students will be provided the opportunity to develop proficiency on their instrument, as well as learn the fundamentals of music theory, history and appreciation. Performance opportunities include formal concerts and festivals, community events and pep music for basketball and football games as well as travel. Prerequisites: 1-year experience or permission of instructor. This course satisfies 1-year of the arts elective requirement for graduation.

Orchestra:

Orchestra is a performance ensemble open to all string students at La Salle. Students will perform in a variety of school and community venues throughout the school year and will travel on music department field trips. Orchestra students will be provided the opportunity to develop proficiency on their instrument and learn string techniques as well as the fundamentals of music theory, history and appreciation. This course satisfies 1-year of the arts elective requirement for graduation.

Choir:

Choir is designed to provide an atmosphere for the enjoyment, appreciation and performance of all types of choral music. The instruction and improvement of voice quality, intonation, music-reading ability, sight-singing ability, and the overall development of musicianship is stressed in conjunction with the learning of each piece of music. Students will perform in a variety of school and community events throughout the school year. This course satisfies 1-year of the arts elective requirement for graduation.

Art:

Art is a year-long course in which students learn basic principles of design. Students are introduced to the materials, skills, and techniques of drawing, painting, and design. They explore various aspects of artistic expression. They use a variety of media: pencil, charcoal, pen and ink, collage, assemblage, tempera, watercolor, and acrylic painting. This course satisfies the arts elective requirement for graduation. This course satisfies 1-year of the arts elective requirement for graduation.

Advanced Art:

Advanced Art is a year-long course in which students build on the content of Art 1 to emphasize in-depth drawing, painting, and sculpture through complex studio projects. Students learn to analyze and understand their own work and technical aptitude. Complementing the art projects, research, written work, and reading are incorporated into the course. This course satisfies 1-year of the arts elective requirement for graduation. **Prerequisite: Art and teacher permission.**

Drama:

Drama is a year-long introduction to the basic elements of theatre. We will spend most of our time developing three fundamentals of dramatic performance: improvisational creativity, movement, and voice work. Students will be introduced to both solo and collaborative performance, character analysis, 'devised' playwriting, basic theater criticism, and the fundamentals of stagecraft. In the Fall, the class will perform a one-act play; in the Spring, the class will produce short skits of their own making for the Follies. This class fulfills one of two required Art credits.

Drama 2:

This course will build on the skill foundations that students have developed in Drama 1, which is a prerequisite. There will be a focus on exploring different acting techniques as well as giving and taking direction in scene work. Drama 2 students will often be asked to lead activities and even direct Drama 1 students on occasion. **Prerequisite: Drama and teacher permission.**

Yearbook & Digital Journalism:

In this course students will gain skills in page design, advanced publishing techniques, writing, editing, and photography while producing a creative, innovative yearbook which records school memories and events. There is an emphasis on journalism skills in this class. Participants gain useful, real world skills in time management, marketing, teamwork, design principles, and learn the importance of journalism in our current world.

Creative Writing

This course is designed to not only cultivate the students' ability to think and write creatively, but to also master the mechanics of writing and style. Students will be exposed to many different types of works, as well as learn techniques to strengthen their writing. By course end, students will have created a portfolio of works, including but not limited to slices, poems, commentaries, short stories, and other weekly pieces. Students will gain confidence as they develop their own voice and sharpen their creative writing abilities.

Film Studies

This course will allow students to learn and think critically about the most prominent and important visual narrative media of our time: film. Students will learn about the history of world cinema, the various visual and aural techniques that go into filmmaking, and film criticism through selections from a broad variety of genres and periods. This class is not just about watching movies - it is about learning how to watch them in a more informed and sophisticated manner, as demonstrated through post-viewing discussions, projects, and essays. Because some of the selections may be rated R, this course is intended only for juniors and seniors.

Occupational Department Courses

Lightning Prep:

Lightning Prep is a required course for all incoming freshmen students, and it fulfills an occupational credit. The course is designed to 'prep' new students for this next stage of their life as a high school student here at La Salle, and we do this in several ways: 1- introduction to our 1:1 learning environment, the various uses of their iPads, and expectations of our college preparatory environment; 2- development of basic research and digital literacy skills; 3- introduction to the Lasallian core values and culture; 4- discussion and a guest presenter on the topic of healthy relationships and responsibility; 5- facilitation of bonding within the freshman class and of participation in co-curricular life at La Salle. We cover a lot of essential and helpful topics that are often overlooked by the standard high school academic curriculum, and we have fun doing it.

Introduction to Business:

This is an introductory business class designed to acquaint students with the components associated with business. Students will gather a basic understanding of general business, economics, finance and accounting, marketing, management, and international business. Students will also experience the intricacies of business first-hand through multiple "business trips" to local businesses. Overall, the course gives students a broad exposure to business operations and a solid background for future exploration of business and its significance in society.

Introduction to Robotics ^:

Robotics is a one-semester science elective that introduces concepts of electronics, mechanics, and computer coding. Students build small robots, learn about circuitry and wiring and then become familiar with writing programs that allows their robots to perform various tasks. Programs include creating music, making lights blink in alternating patterns and navigating the robot through mazes with whisker sensors, infrared sensors and light sensors. Robots will be programmed to follow lines, avoid object, follow object and compete in head-to-head combat. This course utilizes a basic C code that will not only program their robots, but it can also be applied to more advanced coding used in technology industries.

Campus Ministry Leadership:

This course will provide the student leadership necessary to promote the goals and objectives of the Student Life programs at La Salle, with a special Campus Ministry tasking and focus. As Student Life leaders students will be charged with planning and implementing events to foster the spiritual and personal growth of our school community. In addition to robust academic leadership content, lass time will be spent preparing liturgies, assemblies, class retreats, charity drives, social justice awareness programs, community service, and

more—as well as learning and developing vital leadership skills. Students will receive training in a variety leadership areas. A special effort will be made to match each student’s gifts and talents with specific leadership needs on campus. **Prerequisite: Teacher permission.**

ASB Student Activities Leadership:

This course will provide the student leadership necessary to promote the goals and objectives of the Student Activities programs at La Salle. As Student Activity leaders students will be charged with planning and implementing events to foster the personal growth of our school community. Class time will be spent preparing assemblies, rallies, charity drives, dances, student ambassador events, intramurals and more—as well as learning and developing vital leadership skills. Students will receive training in a variety leadership areas and character development. **Prerequisite: Teacher permission.**

TEALS Introduction to Computer Science:

The Introduction to Computer is an engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning. The Introduction to Computer Science curriculum is based on the University of California at Berkeley CS 10 course, “Beauty and Joy of Computing” (BJC). The first semester will cover “Snap! Introduction to Programming Concepts” while the second semester will move to “Python: An Introduction to Text-Based Programming.” TEALS (Technology Education And Literacy in Schools) is generously supported by Microsoft.

Introduction to Robotics ^:

Robotics is a one-semester science elective that introduces concepts of electronics, mechanics, and computer coding. Students build small robots, learn about circuitry and wiring and then become familiar with writing programs that allows their robots to perform various tasks. Programs include creating music, making lights blink in alternating patterns and navigating the robot through mazes with whisker sensors, infrared sensors and light sensors. Robots will be programmed to follow lines, avoid object, follow object and compete in head-to-head combat. This course utilizes a basic C code that will not only program their robots, but it can also be applied to more advanced coding used in technology industries.

Accounting:

Accounting establishes a foundation for understanding business, and provides initial knowledge needed for an accounting career. This class introduces the principles and process involved in double-entry accounting systems. It covers the entire accounting function including the use of journals, ledgers, worksheets, financial statements and specialized accounting functions such as banking and payroll. This class is recommended for anyone interested in

pursuing a career in business and/or accounting. Learning can also be transferred to apply to personal situations in everyday life, including topics such as checking accounts, payroll, expenses, income, profit and net loss.

Digital Design/Visual Communication ^:

This course introduces students to a practice-based, hands-on approach to visual communication design. Students will learn the about vector and raster graphics, how to design with specific audiences in mind, and edit images using some of the most commonly used photo editing software in the visual design industry. Topics also include the elements and principles of design, color theory, visual perception theories, typography, symbols, brand identity, logos, and information design. Connections to current and historical context of the graphic arts are woven throughout the course. Students will also share their work and learn to take part in design critiques and discussions, as both designers and peers.

Digital Photography ^:

This course covers basic concepts and practice of digital photography, including understanding and use of the camera, lenses, and other basic photographic equipment. Digital photography will incorporate the traditional digital camera, as well as contemporary photography devices like phones and tablets. The course will address aesthetic principles as they relate to composition, space, exposure, light and color. Technological requirements of digital formats will be addressed, such as formats and resolution. Basic digital manipulations of images will be taught in preparation for creating a photo portfolio of images.

IT Academy (Microsoft Office Certification):

This course is designed to prepare students to become a “Microsoft Office Specialist.” The Microsoft Office Specialist Program provides industry-leading assessments of skills and knowledge through our new project-based testing, giving students and professionals real-world exercises to appraise their understanding of Microsoft Office. Microsoft certification gives students and workforce candidates the power to chart their own course, fulfill their ambition, and realize their potential. See the statistics that validate that these certifications give you the tools to build a brighter future and prepare yourself for a successful career.

Auto CAD (Computer Aided Design) ^:

This course is intended to give an introduction to 2D computer aided drafting using Auto CAD and 3D drawing using Sketchup. Students will learn to use the programs in many different ways and develop techniques that improve their speed and accuracy. Students will also design extensive projects, some of which will be built using balsa wood.

Contact Mr. Lamb, Dean of Studies, with any questions.
(509) 225-2911 or clamb@lasalleyakima.org