



# JEFFERSON PREPARATORY

HIGH SCHOOL

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## Course Catalog

2021-2022

*Course offerings subject to change based upon student interest and course enrollment*

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## CORE CLASSES

### **9<sup>th</sup> – 12<sup>th</sup> Life Skills**

Course ID - 9LS, 10LS, 11LS, & 12LS

*Department:*

*Prerequisites:* None

*Term:* Year

*Fee:* Required Book Bundle

The objective of Life Skills is the cultivation of responsible, independently thinking, socially aware and productive adults. Topics range from goal-setting, money, time and stress management, to relationships and self-development. Class texts include titles like Rich Dad Poor Dad-for Teens, Seven Habits of Highly Effective People, How to Win Friends and Influence People, Outliers, and other texts that enhance the core class topics.

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## **ENGLISH & LITERATURE - CLASSES**

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### **9<sup>th</sup> Themes in Literature and Composition**

Course ID 111

*Department:* English & Literature

*Prerequisites:*

*Term:* Year

*Fee:* Required Book Bundle

This course curriculum guides students in their study of literature and composition through the richness of outstanding novels, pivotal short stories, classic poetry and skill-building writing assignments. Frequent classroom discussions and a wide variety of essay compositions are integral components of the substantial literary course work. Scholars will engage in an array of activities to promote vital study techniques and interpretive abilities to apply to each intellectual endeavor. Writing projects will require scholars to engage in all parts of the writing process: planning, drafting, revising, and editing.

### **10<sup>th</sup> World Literature and Composition**

Course ID 121

*Department:* English

*Prerequisites:* Themes in Literature

*Term:* Year

*Fee:* Required Book Bundle

This course integrates writing for a variety of audiences with a study of literature. Universal themes in literature are explored in the fiction, non-fiction, poetry, drama and short stories of many cultures and many eras. Composition emphasizes research skills, multi-paragraph exposition, critical analysis and thesis development and defense. Scholars will learn narrative, informative, persuasive, and research-based writing.

### **11<sup>th</sup> American Literature and Composition**

Course ID 131

*Department:* English & Literature

*Prerequisites:* World Literature

*Term:* Year

*Fee:* Required Book Bundle

Scholars will focus on early American literature from the Indians & Puritans to the middle of the 19th century. Scholars will be challenged to analyze/interpret various novels, short stories, and poems through discussion and projects. Writing projects will require scholars to engage in all parts of the writing process:

**12<sup>th</sup> English 101/102 (Dual Enrollment)**  
**Course ID 151**

*Department: English & Literature*  
*Prerequisites: American Literature*  
*Term: Year*

**Fee: Required Book Bundle and college tuition if college credit desired**

Students master advanced grammar usage through consistent instruction. Students learn to analyze and discuss literature with extra emphasis on various reader response critiques vs. authorial intent. Compositions include authorial intent analysis, satire creation, along with other creative compositions. Emphasis is placed on SAT vocabulary through weekly lists.

**Bible as Literature - Elective**  
**Course ID 161**

*Department: English & Literature*  
*Prerequisites: None*  
*Term: Semester*  
*Fee: No*

The Bible has been published more than any book on the planet. Biblical Literature courses have the same aim as general literature courses (to improve students' language arts and critical-thinking skills), focusing on the books of the Bible. Students may compare techniques, styles, and themes of the various books; examine the Bible's influence on secular literature; and may study historical events of Biblical times. Oral discussion is an integral part of these courses, and written compositions are often required.

**Creative Writing I- Elective**  
**Course ID 171**

*Department: English & Literature*  
*Prerequisites: 9<sup>th</sup> Themes in Literature*  
*Term: Semester*  
*Fee: No*

This one-semester course will introduce students to the fundamentals of writing creatively. They are more accustomed to the forced, formulaic style of academic writing that they may not be familiar with the freedom of creative flow.

POETRY

This will not be an ELA unit. Students will learn to use poetry as tools of expression in a wide variety of assignments.

SONGS

Re-write the lyrics to popular songs to dramatically change the theme. Sad songs become triumphant, country becomes rap, and love songs become breakups. (This is much more difficult than it may sound, as students will have to exactly match the syllable counts whilst ensuring their chosen vocabulary presents the new message.)

Also, students will analyze the lyrics of popular show tunes from Broadway hits such as *Wicked* and *Les Miserables*, along with songs from *The Greatest Showman* in order to learn how songs tell a story and convey emotion.

SHORTS

Students will learn the basics of the short story and how to effectively *show* a tale rather than simply write about it. The essential elements of Setting, Protagonist, Antagonist, Plot, Conflict, Obstacles, Climax and Resolution will be examined.

JOURNALING

Students will keep a personal daily journal.

**Creative Writing II - Elective**  
Course ID 172

*Department: English & Literature*  
*Prerequisites: 9<sup>th</sup> Themes in Literature*  
*Term: Semester*  
*Fee: No*

This one-semester course will introduce students to the massive world of self-publishing and professional writing. Participants will be exposed to novels and novellas, screenplays and stage plays, the differences between serial television shows and movies, and how to write work that sells. They will create and maintain author profiles through Kindle Direct Publishing, manage their own sales, create covers that stand out, and establish their place in the world of published authors.

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# HISTORY - CLASSES

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## **9<sup>th</sup> Geography** Course ID 211

*Department: History*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

World Geography is the study of the world's people, places, and environments, with focus on world regions. Particular emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. The course will begin with scholars learning how geographers look at the world. Then will quickly dive into the makeup of the Earth, its climates, and the people that populate it. From there scholars will make our way around the globe beginning with North America, Latin America, Europe, Russia, North Africa, SW Asia, Central Asia, Africa south of the Sahara, S. Asia, E. Asia, SE Asia, and lastly Australia, Oceania, and Antarctica.

## **10<sup>th</sup> World History** Course ID 221

*Department: History*  
*Prerequisites: Geography*  
*Term: Year*  
*Fee: No*

The course of study for World History focuses on man's efforts from the early river valley civilizations to modern historical viewpoints. Through this curriculum, students examine the prominent political, social, cultural, religious and military endeavors of societies. The impact of geographic traits is included in the study of each civilization, society, country and empire.

## **11<sup>th</sup> United States History** Course ID 231

*Department: History*  
*Prerequisites: World History*  
*Term: Year*  
*Fee: No*

Provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in United States History. Students should learn to assess historical materials, their relevance to a given problem, their reliability and weigh the evidence accordingly.

## **12<sup>th</sup> United States Government** Course ID 241

*Department: History*  
*Prerequisites: U.S. History*  
*Term: Semester*  
*Fee: No*

Students will learn the foundations, principles, and institutional practices of the United States as a representative democracy and constitutional republic. They will understand the importance of each person as an individual with human and civil rights and our shared heritage in the United States.

## **Economics** Course ID 242

*Department: History*  
*Prerequisites: U.S. History*  
*Term: Semester*  
*Fee: No*

Students in Economics will learn information to develop an economic way of thinking and problem solving. They learn to understand and apply basic economic principles to decisions they make as consumers, members of the workforce, citizens, voters, and participants in a global marketplace. This prepares students to weigh both the short-term and long-term effects of decisions as well as possible unintended consequences.

**American Military History**  
Course ID 251

*Department: History*  
*Prerequisites: 9<sup>th</sup> Grade Geography*  
*Term: Year*  
*Fee: No*

The U.S. Military History is designed to provide students with a comprehensive understanding of how the U.S. military has developed and evolved from the advent of our nation's birth to the contemporary issues of global terrorism and peacekeeping efforts. Far from a simple look at the various wars and conflicts our military has been involved in, this course will identify and challenge the issues of domestic security and how various military institutions, both directly and indirectly, have involved themselves during times of both war and peace. You will analyze the various economic, political, social, cultural, and technological factors that drive the evolution of U.S. military history. It must never be forgotten that war is only one aspect of military history, and the individual soldiers are a reflection of the society they came from. As quoted by General Douglas McArthur, "...the soldier, above all other people prays for peace, for he must suffer and bear the deepest wounds and scars of war."

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# MATH - CLASSES

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## **Pre-Algebra**

**Course ID 308**

**Department: Math**

**Prerequisites: Math placement exam results**

**Term: Year**

**Fee: No**

Pre-Algebra courses increase students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

## **Algebra I**

**Course ID 311**

**Department: Math**

**Prerequisites: Pre-Algebra-or 8<sup>th</sup> Math**

**Term: Year**

**Fee: No**

Scholars enrolled in this course will learn problem solving approaches, thinking and algebraic skills necessary for future mathematics courses and other disciplines. It includes a study of real number systems, linear equations, linear inequalities, exponential functions, quadratic equations, and statistics. Scholars must show mastery of Algebra I before advancing to Geometry or Algebra II

## **Geometry**

**Course ID 321**

**Department: Math**

**Prerequisites: Algebra 1**

**Term: Year**

**Fee: No**

This course places emphasis on plane geometry and includes some solid and coordinate geometry. The course provides scholars with the opportunity to improve their understanding of spatial relationships, develop inductive and deductive skills, improve problem-solving skills in geometric settings, relate algebra to geometry, and develop a deep understanding of ratio and proportion concepts. A protractor, compass, ruler and scientific calculator are required.

## **Algebra II**

**Course ID 331**

**Department: Math**

**Prerequisites: Algebra I**

**Term: Year**

**Fee: No**

This course will cover topics in advanced Algebra and Geometry. Scholars will further their understanding of linear functions, quadratic equations, matrices, logarithms, rational and radical equations, statistics, and series and sequences. Scholars will discuss and solve real-life applications of the studied topics. Algebra II will help prepare scholars for college math courses and for Pre-Calculus.

## **Pre-Calculus & Trigonometry**

**Course ID 341**

**Department: Math**

**Prerequisites: Geometry & Algebra II**

**Term: Year**

**Fee: No**

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics include polynomial, rational, exponential, logarithmic, and circular and trigonometric functions, as well as other miscellaneous topics useful for calculus. Pre-calculus will be rigorous and designed to help to prepare students to succeed at a college level calculus class the following year.

**AP Calculus AB**  
Course ID 351

*Department: Math*  
*Prerequisites: Pre-Calculus*  
*Term: Year*  
*Fee: Cost of the AP Exam*

Calculus is an in depth look at the study of change. It covers various topics like limits, derivatives, and integrals, with a focus on application. Calculus is a challenging college level course to be taken after students have demonstrated mastery of Algebra II and Pre-Calculus topics.

**Other Math Classes – These Need Administrative Approval**

**Applied Mathematics**  
Course ID 301

*Department: Math*  
*Prerequisites:*  
*Term: Year*  
*Fee: No*

General Applied Mathematics courses reinforce general mathematics skills; extend these skills to include some pre-algebra and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations.

**Algebra - Transitional**  
Course ID 306

*Department: Math*  
*Prerequisites:*  
*Term: Year*  
*Fee: No*

Transitional Algebra courses emphasize a practical approach to the study of Algebra. Topics include quadratic expressions, equations, and functions; extend the set of rational numbers to the set of complex numbers; link probability and data through conditional probability and counting methods; study similarity and right triangle trigonometry; and study circles with their quadratic algebraic representations.

**Geometry - Transitional**  
Course ID 305

*Department: Math*  
*Prerequisites:*  
*Term: Year*  
*Fee: No*

Transitional Geometry courses emphasize a practical approach to the study of geometry and deemphasize an abstract, formal approach. Topics typically include properties of and work with plane and solid figures; inductive methods of reasoning and use of logic; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.



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# SCIENCE - CLASSES

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## **9<sup>th</sup> Integrated Science**

Course ID 411

*Department: Science*

*Prerequisites:*

*Term: Year*

*Fee: No*

This course builds upon students previous years of scientific inquiry education. The curriculum for this course will focus on the major sections of the scientific field: physics, chemistry, biology, earth science, and astronomy.

## **10<sup>th</sup> Biology**

Course ID 421

*Department: Science*

*Prerequisites: Integrated Science*

*Term: Year*

*Fee: No*

Scholars explore movement of energy through biological systems, population dynamics, cell structure and how nutrients are used by the cell for life, bimolecular structures including lipids, proteins, sugars and DNA/RNA, genetics and heredity, evolution, classification, plants and comparative anatomy (dissections). Daily activities reinforce learning including frequent group presentations to assess learning (modeling in biology) to report findings and reflect learning. This course includes topics of human reproduction and evolution

## **11<sup>th</sup> Chemistry**

Course ID 431

*Department: Science*

*Prerequisites: Biology*

*Term: Year*

*Fee: No*

Chemistry is the study of matter. Typical subjects include states of matter, atomic structure, chemical reactions, and stoichiometry. Chemistry is a science with heavy math content so students should be prepared for a higher level of mathematical rigor when compared to previous science classes.

## **Forensic Science - Elective**

Course ID 441

*Department: Science*

*Prerequisites: Biology*

*Term: Semester*

*Fee: \$14*

Forensic Science 1 takes an in-depth look at careers and investigative techniques that are used by forensic scientists. Students study topics such as fibers and textiles, fingerprints, blood typing, blood splatter, and DNA fingerprinting. Course fee covers the cost of the "Cold Case Murder & Unsolved Case Files" kit.

## **Anatomy - Elective**

Course ID 451

*Department: Science*

*Prerequisites: Biology*

*Term: Year*

*Fee: No*

Anatomy courses present an in-depth study of the human body and biological systems. Students study such topics as anatomical terminology, cells, and tissues and typically explore functional systems such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems.

## **Environmental Science - Elective**

**Course ID 461**

***Department: Science***

***Prerequisites: Biology & Chemistry***

***Term: Year***

***Fee: No***

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

## **Physics**

**Course ID 471**

***Department: Science***

***Prerequisites: Algebra II***

***Term: Year***

***Fee: No***

Physics is a course which enables the students to learn about the properties of the physical world through experimentation. Students will use information discussed in class to design and conduct experiments to study physical theories and concepts. Through experimentation, students will investigate equilibrium, motion, momentum, gravity, energy, electricity, light and sound. Understanding concepts, not memorization of formulas, will be emphasized. This course will be offered on a rotating basis (i.e. years where the school year begins with an odd number 21-22, 23-24, 25-26, etc.

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# FOREIGN LANGUAGE – CORE CLASSES

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## **American Sign Language I (Online through Edgenuity only) Course ID 501**

*Department: Foreign Language*

*Prerequisites:*

*Term: Year*

*Fee: \$99 per Semester (subject to change)*

Designed to introduce students to American Sign Language, ASL I enables students to communicate through finger spelling, signed words, phrases, sentences, and gestures. Course topics also include deaf culture and issues facing deaf people currently and throughout history. This is a fee based course offered online through Edgenuity.

## **American Sign Language II (Online through Edgenuity only) Course ID 502**

*Department: Foreign Language*

*Prerequisites: ASL I*

*Term: Year*

*Fee: \$99 per Semester (subject to change)*

American Sign Language II builds on skills learned in ASL I extending students' abilities to comprehend and express themselves in ASL, and increasing their vocabulary and signing speed. Typically, students learn how to engage in discourse for informative and social purposes, and to comprehend the language when signed slowly. This is a fee based course offered online through Edgenuity.

## **Japanese I Course ID 561**

*Department: Foreign Language*

*Prerequisites:*

*Term: Year*

*Fee: No*

Designed to introduce students to Japanese language and culture, Japanese I courses prepare students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures.

## **Japanese II Course ID 562**

*Department: Foreign Language*

*Prerequisites: Japanese I*

*Term: Year*

*Fee: No*

Japanese II courses build upon skills developed in Japanese I, preparing students to communicate authentically in Japanese by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Japanese II courses introduce the relationships among the products, practices, and perspectives of Japanese-speaking cultures.

## **Spanish I Course ID 531**

*Department: Foreign Language*

*Prerequisites:*

*Term: Year*

*Fee: No*

Spanish I is an introduction to the Spanish language for students with little to no previous Spanish studies. The development of basic reading, writing, listening and speaking skills is emphasized. Cultural aspects of Spanish-speaking communities throughout the world are also studied. Students will participate in individual, small-group and whole-class activities that focus on meaningful and accurate communication skills in the target language. This course is conducted primarily in Spanish.

## **Spanish II**

**Course ID 532**

**Department:** Foreign Language  
**Prerequisites:** Spanish I  
**Term:** Year  
**Fee:** No

The Spanish II course builds off the prerequisite Spanish I. Scholars expand their vocabulary, grammar, verb tenses (preterit, imperfect, future, and subjunctive) and will progress more in depth with reading, writing, speaking, listening, culture, and geography. We will practice speaking and listening skills in the classroom, with the study of grammar, reading and longer writing activities occurring mainly outside of the classroom. This course also examines other cultural aspects of Spanish-speaking communities throughout the world. Students will participate in small-group and whole-class activities that focus on meaningful and accurate communication skills in the target language. This course is conducted primarily in Spanish.

## **Spanish III**

**Course ID 533**

**Department:** Foreign Language  
**Prerequisites:** Spanish I & II  
**Term:** Year  
**Fee:** \$10 plus college tuition

Spanish III is an intensive course designed to aid students in acquiring a deeper understanding of Spanish grammar as well as encouraging students to use Spanish in real, meaningful ways in order to communicate more effectively with native speakers. In a Spanish-only classroom environment, students will refine their abilities in the four major skill sets (reading, writing, speaking, and listening) and broaden their cultural knowledge. The information from previous Spanish courses will be expanded and built upon through a variety of activities, writing assignments, and dialogues.

## **French I**

**Course ID 541**

**Department:** Foreign Language  
**Prerequisites:** None  
**Term:** Year  
**Fee:** No

French I is an introduction to French language and culture for students with little to no previous French studies. The development of basic reading, writing, listening and speaking skills will be emphasized. Cultural aspects of French-speaking communities throughout the world are also studied. Students will participate in individual, small-group and whole-class activities that focus on meaningful and accurate communication skills in the target language. This course is conducted primarily in French.

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# PHYSICAL EDUCATION - ELECTIVES

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## **Chinese Kung Fu** Course ID 661

*Department: Physical Education*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

“Kung Fu” translated means “skill acquired through hard work and patience over time”. Through the physical exercise, mindful breathing practice and expressive, focused, dance-like movement of the most comprehensive Chinese art form in history scholars can receive benefits of: understanding discipline, self-awareness, personal safety, improved self-esteem, reduced anxiety, enhanced physical mobility and fitness throughout their lives.

## **PE Fitness for Life** Course ID 663

*Department: Physical Education*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

This course emphasizes acquiring knowledge and skills regarding lifetime physical fitness. Scholars will study topics such as nutrition, stress management, and consumer issues related to fitness. Scholars will develop and implement a personal fitness plan.

## **Weightlifting / Resistance Training** Course ID 667

*Department: Physical Education*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

Fundamental human anatomy, physiology and movement. Scholars will learn the names of muscles/skeletal system and how to train the entire muscular system efficiently and safely. Emphasis on preparing scholar for or enhancing understanding of exercise science/medical terminology.

## **Yoga** Course ID 668

*Department: Physical Education*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

Basic practice of yoga suitable for all fitness levels. Promotes longevity of flexibility, strength and mobility of entire body. Promotes healthy stress-management and anxiety reducing practices.

## **Team and Individual Sports** Course ID 670

*Department: Physical Education*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

Physical exercise is a fundamental component to the improvement and maintenance of a healthy lifestyle. This course enhances the scholar’s interest in physical fitness and American sports while focusing on participation as it relates to culture, ethnicity, gender and physical diversity. The sports learned and skills developed in this course may include but are not limited to archery, basketball, floor hockey, flag football, table tennis, pickle ball, corn hole, volleyball, sports history, competition rules, cardiovascular fitness, muscular fitness, motor skill enhancement, flexibility, sportsmanship and the concepts of team and individual goal setting.

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# CAREER & TECHNICAL EDUCATION (CTE)

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## **Business Management CTE Program Description**

The Business Management instructional program prepares students to plan, organize, direct, and control the functions and processes of a firm or organization. Students who successfully complete the Business Management program's coherent sequence of instruction will develop an in-depth understanding of the business and financial management practices needed for large and small enterprises. The Business Management program includes instruction in management theory, project management, human resources management and behavior, Business Management and other quantitative methods, purchasing and logistics, organization and production, marketing, and business decision-making. Throughout the Business Management instructional program, students learn and practice valuable real-world skills using industry standard office productivity software to manage business functions.

### **Business Management I**

**Course ID 911**

**Department:** CTE

**Prerequisite:**

**Term:** Year

**Fee:**

Learn business concepts through the study of self-development and personal leadership. Study key business leaders that impact the world. Study the psychological factors involved between seller and buyer and tactics used to motivate one to make a purchase. Discover the world of hospitality and guest services while delving into the operations and philosophies of Starbucks.

CTE CIP Code: 52.0200.10

This introductory course is recommended for students who have an interest in business and a desire to understand how business works in today's global economy. This course prepares students with technical skills and knowledge related to the economics, management and administrative support functions of business, which cut across industries as well as develop knowledge and skills in applied research, business communications, principles of business law, public relations, information management, meeting planning and office supervisory skills. A computer with business applications software is used by students as a tool to perform business tasks.

### **Business Management II**

**Course ID 921**

**Department:** CTE

**Prerequisite:** Business Management I

**Term:** Year

**Fee:**

Students have the opportunity to earn a Microsoft Office Specialist certification. Develop knowledge of business and financial management practices, accounting methods, and competencies using varied computer applications for office organization and management.

CTE CIP Code: 52.0200.20

This is the second course in the coherent sequence for Business Management. This course includes instruction in business planning and operations through projects and simulations. Computer software applications are applied to the technical support functions essential to the operation of an enterprise and buying and selling of goods and services.

## **Business Management Internship**

Course ID 931

*Department: CTE*  
*Prerequisite: Business Management 2*  
*Term: Semester*  
*Fee:*

In this capstone course students will participate in a work-based learning program by completing 120 hours of internship (either paid or unpaid) with a local business. Students will spend a minimum of 5 hours per week (paid or unpaid) in a position within business and industry, gaining on-the-job experience and valuable industry networking. Students must provide their own transportation to their worksite. Additional site requirements may be required for student participation.

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# **COMMUNICATIONS - ELECTIVES**

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## **Speech & Debate - Elective**

Course ID 181

*Department: Elective / Communications*  
*Prerequisites:*  
*Term: Year*  
*Fee: No*

Forensic Speech—Debate courses offer students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to the methods, aims, and styles used in various kinds of debates (formal debate or Lincoln-Douglas). Participation in competition is encouraged, but not always required.

## **Journalism/Yearbook - Elective**

Course ID 191

*Department: Communications*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

This course is a dynamic blend of photography, newspaper reporting, and yearbook layout. Armed with a school press pass and given impressive access, the student is the reporter developing skills in writing and editing stories, organizing headlines and captions, and meeting exciting production deadlines. Take the photos that will be showcased in the newspaper and yearbook. Learn the principles of style, design, and layout as an active editor. Use your talent, wit, and style to become the photographer, reporter, and editor of Jefferson Prep's publications. Students will remember your work for years to come as you produce a lifetime of memories!

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# FINE AND PERFORMING ARTS - ELECTIVES

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## **Humanities – 9<sup>th</sup> grade requirement** Course ID 701

*Department: Fine & Performing Arts*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

Scholars will be introduced to significant works of art, artists, and artistic movements that have shaped the development of western civilization focusing on how art as influenced and is reflected in various periods of history. Scholars will study the evolution of art forms, music, literature and the techniques, symbols, and themes used throughout history. Part of the 9th grade cohort.

## **Art I - Beginning** Course ID 711

*Department: Fine & Performing Arts*  
*Prerequisites:*  
*Term: Year*  
*Fee: \$35*

This course introduces scholars to the elements of art and principles of design while developing drawing skills and painting techniques. Studio experiences in the classroom will give scholars opportunities to experience a variety of media (pencil, pen, ink, charcoal, pastel, watercolor, and tempera paint) while developing their individual style and creative problem solving skills. Scholars will demonstrate their ability to respond, to analyze, and to interpret their own artwork and the work of others through discussions, critiques, and writings.

## **Art II - Portfolio** Course ID 721

*Department: Fine & Performing Arts*  
*Prerequisites: Art I*  
*Term: Year*  
*Fee: \$35*

Art Portfolio course offers scholars the opportunity to create a professional body of work that reflects their personal style and talent. Each scholar will develop a Drawing Portfolio, and a 2-D Design online Portfolio. Individual artwork will be evaluated for quality, depth, discovery, and demonstration of superior knowledge of art principles and techniques. Students will be encouraged to display their work publicly.

## **Art 3D** Course ID 731

*Department: Fine & Performing Arts*  
*Prerequisites: Art I*  
*Term: Semester*  
*Fee: \$35*

Creative Art—Sculpture courses cover the same topics as Creative Art—Comprehensive courses, but focus on creating three-dimensional works. Students typically work with several media (clay, ceramics, wood, metals, textiles, and so on), but some courses may focus on only one medium. Typically scheduled with Ceramics.

## **Ceramics** Course ID 732

*Department: Fine & Performing Arts*  
*Prerequisites: Art 3D*  
*Term: Semester*  
*Fee: \$65*

Ceramics is an introductory course to ceramic pottery and sculptures. This class will cover the three basic methods of hand building and wheel throwing. Students will produce ceramic art work using pinch, slab, and coil techniques. Students will learn the basic vocabulary of ceramics as well as methods of surface treatment, firing, and other related aspects. Art history, aesthetics and art criticism will be incorporated throughout the course. Typically schedule with Art 3D.



## **Band - Beginning**

Course ID 741

*Department: Fine & Performing Arts*

*Prerequisites: None*

*Term: Year*

*Fee: Instrument*

This course is designed for beginning students of band, as well as those who are learning the basics for performing in a band setting. We focus on the fundamentals: posture, instrument knowledge, note-reading and rehearsal techniques. Students develop basic musicianship through the practice and performance of concert works and exercises in a large ensemble setting, develop and improve proper playing techniques (embouchure, posture, sticking, etc.), and build a positive self-concept, and group work ethic through performance.

## **Band - Concert**

Course ID 751

*Department: Fine & Performing Arts*

*Auditions Required*

*Term: Year*

*Fee: Instrument*

Courses in Concert Band are designed to promote students' technique for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances.

## **Piano Keyboarding**

Course ID 755

*Department: Fine & Performing Arts*

*Prerequisites:*

*Term: Year*

*Fee: No*

Piano courses introduce students to the fundamentals of music and basic keyboard techniques such as scales, chords, and melodic lines. These courses may also include more advanced keyboard techniques.

## **Choir - Concert**

Course ID 761

*Department: Fine & Performing Arts*

*Auditions Required*

*Term: Year*

*Fee: No*

Concert choir focuses on a deepening application of proper singing techniques and music theory. Students continue to learn correct vowel production, consonant production, breathing technique, expressiveness, and a 3 to 4 part choral repertoire. Repertoire includes a cappella and accompanied works from the Renaissance to the current century.

## **Music History/Appreciation**

Course ID 771

*Department: Fine & Performing Arts*

*Prerequisites: None*

*Term: Year*

*Fee: No*

Music Appreciation is an introductory course to the different time periods in music. Students will explore music's various functionalities in order to gain a deeper understanding and appreciation for all types of music. The course begins by examining basic music literacy and core musical elements such as melody, rhythm, harmony, form, and texture. In addition, all major time periods with their corresponding musicians/genres will be introduced, explored, and investigated. Time periods and composers such as: Baroque (Bach), Classical (Mozart), Romantic (Beethoven), Contemporary (Hindemith), Jazz (Louie Armstrong), and Musical (Oklahoma) will all be discussed and research in depth. This course includes a broad series of lessons, interactive experiences, and activities that offer a variety of modalities for ultimate student engagement and content retention. Each unit contains a series of lessons that include introduction of content, virtual and audio demonstration of that content, and repeated opportunity to practice that content, along with a quiz per lesson, exam per unit, practical projects throughout, and a final exam at the end of the course. The ability to play an instrument or read music is not a required for this course.

## **Photography – Digital I**

**Course ID 781**

***Department: Fine & Performing Arts***

***Prerequisites:***

***Term: Year***

***Fee: \$35***

Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.

## **Photography Digital II**

**Course ID 782**

***Department: Fin & Performing Arts***

***Prerequisites: Photo I***

***Term: Year***

***Fee: \$35***

This course will be the development of a portfolio with the following projects: Classroom, School, and Community, all related to Digital Photography.

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# SOCIAL SCIENCE - ELECTIVES

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## **Sociology** Course ID 609

*Department: Elective / Social Science*  
*Prerequisites:*  
*Term: Semester*  
*Fee: No*

This course is an introduction to sociology as a way of understanding the world. Sociology is a field of study that explains social, political, and economic phenomena in terms of social structures, social forces, and group relations. During this course we will focus on several important sociological topics, including socialization, culture, the social construction of knowledge, deviance, crime, and self-control, social change, The Family, education, inequality, race and ethnic relations, poverty, and collective behavior.

## **Child Development** Course ID 611

*Department: Elective / Social Science*  
*Prerequisites:*  
*Term: Year*  
*Fee: No*

Child Development is a yearlong, elective class. Students will explore the development and growth of children from birth to 18 years. Emphasis is placed on helping students acquire research-based knowledge and skills essential to the positive development and care of children. A thorough study of a child's physical, intellectual, emotional and social development will be discussed through his or her various stages. Experience through direct observation and interaction with preschool-aged children is included.

This course is highly recommended for future parents and/or anyone interested in working with children (i.e. pediatrician, nurse, childcare provider, counselor, teacher, etc.) in any capacity. Additionally, it is a great class for students interested in babysitting.

## **Political Science** Course ID 617

*Department: Elective / Social Science*  
*Prerequisites:*  
*Term: Semester*  
*Fee: No*

The study of government and civics equips students to understand the nature of government and the unique characteristics of American representative democracy, including its fundamental principles, structure, and the role of citizens. Understanding the historical development of structures of power, authority, and governance and their evolving functions in contemporary U.S. society and other parts of the world is essential for developing civic competence. An understanding of civic ideals and practices of citizenship is critical to full participation in society and is a central purpose of the social studies.

## **Psychology** Course ID 620

*Department: Elective / Social Science*  
*Prerequisites:*  
*Term: Year*  
*Fee: No*

Psychology is a year-long, elective class. Scholars are introduced to the psychological study of research and behavior. Additionally, scholars will develop an understanding of basic psychological schools of thought and methodology. Major topics include research methods, learning & memory, the anatomy and physiology of the brain, sensation and perception, consciousness, social psychology, and psychological disorders & treatment.

## **AP Psychology** Course ID 621

*Department: Elective / Social Science*  
*Prerequisites:*  
*Term: Year*  
*Fee: Cost of the AP exam*

Following the College Board's suggested curriculum, this course is designed to parallel a college-level psychology course. The course introduces students to the systematic and scientific study of behavior and mental processes of human beings and other animals, expose students to each major subfield psychology, and enable students to examine the methods that psychologists use in their science and practice.

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# TECHNOLOGY - ELECTIVES

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## **Computer Applications**

**Course ID 811**

***Department: Technology***

***Prerequisites:***

***Term: Semester***

***Fee: No***

The technology application course: scholars acquire knowledge of and experience in the proper and efficient use of previously written software packages. This course explores a wide range of applications including the Microsoft and Google suite of programs. It is design to maximize your productivity and efficacy on these platforms.

## **Computer Science Discoveries**

**Course ID 821**

***Department: Technology***

***Prerequisites: Computer Applications***

***Term: Year***

***Fee: No***

Check out this introductory computer science course where students learn problem solving through puzzles, challenges, and real life scenarios. Course content includes structuring and styling your own web pages, coding animations, creating interactive art, and designing exciting games in the Game Lab. Learn the tricks that make computers tick - digital data and how it is represented, as well as physical computing and its input. Bring computer code into real life using the Circuit Playground and get your hands dirty working on a physical circuit board. Lesson projects include Making a Game, Making Music, and Designing a Computer. Computer science is a fun, activity-driven class where students work together, hands-on, to produce smart and meaningful works of creativity. Don't be afraid of the future, learn how to program it!

## **Robotics**

**Course ID 831**

***Department: Technology***

***Prerequisites: Computer Applications***

***Term: Semester***

***Fee: \$30***

Do not fear our robotic future, prepare for it! In this course, you will build a robot and program it to compete in THE GAME. Your robots will duke it out in class and may compete internationally in the VEX Robotics Competition - with more than 11,500 teams from 40 countries. Wield powerful concept tools like modeling, strategic design, and cost benefit analysis to engineer your robot into the championship. Plot out the drive train design as you learn about speed, power, and torque. Get your hands on the motors, sensors, and transmission gears as you turn your design into reality. Be the winner that streamlines the process while mastering systems integration and iteration, and when it looks like your robot doesn't have what it takes, save the day and design your own robot parts using Computer Aided Design (CAD)!

## **Drones**

**Course ID 832**

***Department: Technology***

***Prerequisites: Computer Applications***

***Term: Semester***

***Fee: \$30***

Become a certified FAA drone pilot and fly drones at school! Topics will include flight operations and restrictions, emergency, safety, and radio communication procedures, aeronautical judgment, airport operations, and preflight inspection procedures. You will inspect route charts and learn prohibited, restricted, and military operation areas (MOA). You will observe surface aviation weather and follow the law enforcement checklist for incidents: DRONE - Detect, Report, Observe, Notice, and Execute. You will learn mobile apps that show if you are OK'd to fly and how to use LAANC to notify airports within 5 miles. Over 70,000 drone jobs are expected in the next few years with an impact of \$13.6 billion. Fly high and finish high school certified for the future.

**Multimedia-Audio/Visual Production**  
Course ID 841

*Department: Technology*  
*Prerequisites: Computer Applications*  
*Term: Semester*  
*Fee: No*

Students will learn how to use a variety of software programs to produce short audio and video including filming and editing techniques. They will also learn the fundamentals of digital video production from the preliminary steps of script writing & storyboards, through postproduction editing and exporting. Students will learn industry vocabulary, organization skills, camera fundamentals/operations, techniques in lighting, sound, and editing.

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## OTHER - ELECTIVES

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**Student Government**  
Course ID StuGo

*Department: Elective*  
*Prerequisites: Elected Officer*  
*Term: Year*  
*Fee: No*

Student Government is a yearlong course open to elected and nominated students. Student members serve their school community through various service oriented tasks, as well as contributing to the positive student perception of the Jefferson Preparatory environment.

**Release Time**  
Course ID RT

*Department: Elective*  
*Prerequisites: None*  
*Term: Year*  
*Fee: No*

Release time is a non-credit bearing, off-site LDS religious education course.

**Chess**  
Course ID 990

*Department: Elective*  
*Prerequisites: None*  
*Term: Semester*  
*Fee: No*

This is an introductory class that provides students a strong foundation in the rules and strategies needed to enjoy the classic game of Chess. The course is designed for students with little to no experience with the game. It begins with a brief history of Chess, then introduces the student to the board, the pieces, and how the pieces move. This is accomplished through interactive lessons, videos and demonstrations. The students will learn the rules of the game, basic strategies, important opening concepts, recognition of tactical themes, calculation of material exchanges, and elementary endgame knowledge. In addition to learning the fundamentals of chess, this course will promote the growth and development in the areas of concentration, logic, decision making, planning, and self-discipline.