



Lee-Scott Academy Upper School Course Guide 2023-2024

	7 th Grade	8 th Grade	9th Grade	10 th Grade	11th Grade	12th Grade
MATH	PreAlgebra <i>or</i> Accel. PreAlgebra	Algebra I <i>or</i> Accel. Algebra I	Honors Geometry with Data Analysis or Geometry with Data Analysis	Algebra II with Statistics or H. Algebra II with Statistics or Algebra I with Probability	Dual Enrollment PreCalculus or PreCalculus or Algebra II with Statistics or Probability & Statistics	Dual Enrollment PreCalculus or Dual Enrollment Calculus I & II or Dual Enrollment Elementary Statistics or PreCalculus or Probability & Statistics or College Prep Math
SCIENCE	Life Science	Physical Science	Pre-AP Biology	Honors Physical Science or Physical Science	Chemistry or Anatomy & Physiology	Honors Physics or Environmental Science or AP Biology
ENGLISH	English 7	English 8	Pre-AP English 9 or English 9	Pre-AP English 10 <i>or</i> English 10	AP Lang/Comp or English 11	AP Lit/Comp or English 12
SOCIAL STUDIES	Geography/ Civics	World History <1500	World History >1500	AP European History or U.S. History I <1900	AP U.S. History or U.S. History II >1900	AP Government or Government
REQUIRED			Spanish I	Spanish II		Economics
REQUIRED	Band or P.E.	Band or P.E.	Band or P.E.			
ADDITIONAL ELECTIVES	CHOOSE 2	CHOOSE 2	CHOOSE 1	CHOOSE 2	CHOOSE 3	CHOOSE 3

Course offerings focus on daily preparation in core areas and are constantly evaluated to ensure students are prepared for post-secondary success.

Electives offered at each grade level vary depending upon demand, staff availability, and age appropriateness.

For course descriptions, please review the rest of this Course Catalog.



MATHEMATICS

MATHEMATICS

7th GRADE PRE-ALGEBRA: This course covers the basics of algebra including the number systems, equations and expressions, and functions. The course will also cover some basic geometry including the Pythagorean Theorem and congruence and similarity of shapes. It is specifically designed to prepare the student for mathematics as they continue through high school.

7th GRADE ACCELERATED PRE-ALGEBRA: This course is designed for the students who are confident in their math abilities coming into 7th grade. The course will require the students to work at a faster pace and explore a deeper understanding of algebra. This course covers all the basics of Algebra in 7th grade Math plus advanced exponents and roots, irrational numbers and transformations. It is specifically designed to prepare the student for 8th Grade Accelerated Math. It is recommended that students should be placed in this course based on the following criteria: 90th percentile or higher on the end of the year placement test along with a 115 or higher on OLSAT SAI.

8th GRADE ALGEBRA I: This course covers the study of algebraic concepts. The content is organized into content areas: Number Systems and Operations; Algebra and Functions; Data Analysis, Statistics, and Probability; Geometry and Measurement. There are three critical areas of equal importance.

- Construct and reason about expressions and equations, including modeling data with linear equations and solving linear equations
- Describe the concept of a function and use functions to interpret quantitative relationships
- Analyze two and three dimensional figures and understand the Pythagorean Theorem

8th GRADE ACCELERATED ALGEBRA I: This course has been carefully aligned and designed for middle school students who have completed the Grade 7 Accelerated course and show high achievement and interest in mathematics. Students will move through content more quickly than Grade 8 Mathematics thus preparing with opportunities to accelerate into more specialized coursework in the higher grade levels. The algebra focus is on quadratic relationships. It is recommended that students should be placed in this course based on the following criteria: 90th percentile or higher on the end of the year placement test along with a 90 average in 7th grade Pre-Algebra.



MATHEMATICS

9th GRADE GEOMETRY WITH DATA ANALYSIS: Geometry with Data Analysis will cover topics such as points, lines, and planes; logic and proofs; triangle relationships; polygons; circles; and data analysis with probability. The goal of this course is to create a great understanding of how and why concepts are related and used together. The course will provide basic knowledge of Geometry that will be used in future classes in high school as well as college. It will also introduce probability and statistics concepts that will be built upon in future courses.

9th GRADE HONORS GEOMETRY WITH DATA ANALYSIS: The honors geometry course covers the same topics covered in the basic course but even more content is covered and at a faster pace. Students are also able to study geometric concepts more in-depth. This course is designed for students who enjoy being challenged and engaging in high-level discussions of geometric concepts. Students who take this course need to perform at a higher level in math, be organized, and have a strong work ethic and eagerness to learn. It is recommended that students should be placed in this course based on the following criteria: a 17 or higher on the math portion of the Pre-ACT assessment, as well as maintain a 90% average or higher in current 8th grade math class.

Beginning with the class of 2027, any student who completes an Honors course will receive a GPA weight of +.5

10th GRADE SENIOR HIGH ALGEBRA I WITH PROBABILITY: Algebra I with Probability is a course designed for tenth graders to provide students with the necessary knowledge of algebra and probability for use in everyday life. The course focuses on functions, properties of algebra, and graphing. This builds upon the algebraic concepts students in seventh and eighth grades. In addition, studying probability will be the focus of this course. Probability helps enhance students' ability to organize information and improve decision making, which helps to encourage reasoning in real-life events.

10th GRADE HONORS ALGEBRA II WITH STATISTICS: This course is designed for students that are prepared for the fast pace and rigor. It incorporates knowledge and skills from several content areas to lead to a deeper understanding of algebra and statistics and to build a solid foundation for the continued study of high school mathematics. The course includes the study of an expanded range of functions, matrices, data analysis, statistics and probability. It is specifically designed to prepare the student for Pre-Calculus. It is recommended that students should be placed in this course based on the following criteria: a 17 or higher on the math portion of the Pre-ACT assessment, as well as maintain a 90 average or higher in current 9th grade math class. A student who completes an Honors course with a 90% semester average or higher, will have 5 points added to his/her semester average and will also have GPA weight added regardless of semester average.

Beginning with the class of 2027, any student who completes an Honors course will receive a GPA weight of +.5



MATHEMATICS

ALGEBRA II WITH STATISTICS (10th or 11th GRADE): This course incorporates knowledge and skills from several content areas to lead to a deeper understanding of algebra and statistics and to build a solid foundation for the continued study of high school mathematics. The course includes the study of an expanded range of functions, matrices, data analysis, statistics and probability. It is specifically designed to prepare the student for Pre-Calculus.

11th GRADE PRECALCULUS: This course is meant to follow Algebra II with Statistics. Topics covered will include, but are not limited to: the algebra of functions (including polynomial, rational, exponential, and logarithmic), graphing, systems of equations and inequalities, quadratic inequalities, binomial theorem, complex numbers, basic and analytic trigonometry.

11th/12th GRADE DUAL ENROLLMENT PRECALCULUS (MTH 115):

This course is a combination of Precalculus Algebra and Precalculus Trigonometry intended for superior students. The course covers the following topics: the algebra of functions, systems of equations and inequalities, quadratic inequalities, and the binomial theorem, as well as the study of trigonometric (circular functions) and inverse trigonometric functions and includes extensive work with trigonometric identities and trigonometric equations, vectors, complex numbers, DeMoivre's Theorem, and polar coordinates. Prerequisite: Successfully completed Geometry and Algebra II, make a 20+ math ACT subscore, and apply to Southern Union for Dual Enrollment.

A student who completes a dual enrollment course with an 85% semester average or higher will have 10 points added to his/her semester average and will also have GPA weight added regardless of semester average.

Beginning with the class of 2027, any student who completes a Dual Enrollment course will receive a GPA weight of +1.0.

12th GRADE DUAL ENROLLMENT ELEMENTARY STATISTICS (MTH 265): This course provides an introduction to methods of statistics and includes the following topics: sampling, frequency distributions, measures of central tendency and variation, probability, discrete and continuous distributions, graphic representation, hypothesis testing, confidence intervals, regression, and applications. **Prerequisites:** Successfully completed Geometry and Algebra II, make a 20+ math ACT subscore, and apply to Southern Union for Dual Enrollment.

Any student who completes a dual enrollment course will receive a GPA weight of +1.0.



MATHEMATICS

12th GRADE DUAL ENROLLMENT CALCULUS I (MTH 125):

This is the first of three courses in the basic calculus sequence taken primarily by students in science, engineering, and mathematics. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral and its basic applications to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus. **Prerequisites**: Successfully completed Pre Calculus or Honors Pre Calculus, make a 20+ math ACT subscore, and apply to Southern Union for Dual Enrollment. A student who completes a dual enrollment course with an 85% semester average or higher will have 10 points added to his/her semester average and will also have GPA weight added regardless of semester average.

Beginning with the class of 2027, any student who completes a Dual Enrollment course will receive a GPA weight of +1.0.

12th GRADE DUAL ENROLLMENT CALCULUS II (MTH 126): This is the second of three courses in the basic calculus sequence. Topics include vectors in the plane and in space, lines and planes in space, applications of integration (such as volume, arc length, work and average value), techniques of integration, infinite series, polar coordinates, and parametric equations. Prerequisites: Make a C or higher in Calculus 1 from the first semester and dual enroll for the second semester. A student who completes a dual enrollment course with an 85% semester average or higher will have 10 points added to his/her semester average and will also have GPA weight added regardless of semester average.

Beginning with the class of 2027, any student who completes a Dual Enrollment course will receive a GPA weight of +1.0.

11th/12th GRADE PROBABILITY AND STATISTICS: This course introduces students to the basic concepts of probability and statistics. Topics include tools for collecting, analyzing, and drawing conclusions from data. This course covers topics similar to an introductory college-level statistics course.

12th GRADE COLLEGE PREPARATORY MATHEMATICS: This two semester course is intended to prepare students for introductory-level college math courses. Students will review essential concepts related to both Algebra I and II along with ACT prep and personal financial responsibility.



SCIENCE

SCIENCE

7th GRADE LIFE SCIENCE: This course is designed to give students the necessary skills for a smooth transition from elementary life science standards to high school biology standards. The purpose is to give all students an overview of common strands in life science including, but not limited to, diversity of living organisms, structure and function of cells, heredity, and ecosystems.

8th GRADE PHYSICAL SCIENCE: This course is based upon the disciplinary core ideas in the Physical Science domain, which concentrate on the composition and properties of matter, examining forces and predicting and developing explanations for changes in motion, the conservation of energy, energy transformations, and applications of energy to everyday life, and finally, examines types and properties of waves and the use of waves in communication devices.

9th GRADE PRE- AP BIOLOGY: Biology is an inquiry-based course, focused on providing all high school students with biological science content about patterns and processes and interactions among living things. Students taking this course focus on analytical reading and writing, the application of mathematics and the use of models to analyze and interpret the world around them. Content standards within this course are organized into four disciplinary core ideas developed by the Pre-AP College Board. The standards provide a depth of conceptual understanding to adequately prepare for college, career, and citizenship with appropriate levels of scientific literacy. Students who complete a PreAP course will receive a GPA weight of +.5 regardless of semester average.

10th GRADE PHYSICAL SCIENCE: This course deals with the substances and processes that encompass our universe on both microscopic and macroscopic levels, components of forces and motion, types of interactions, stability/instability in physical systems, the conservation of energy, energy transformations, applications of energy to everyday life, wave properties, electromagnetic radiation, and information technologies and instrumentation.



SCIENCE

10th GRADE HONORS PHYSICAL SCIENCE: This course is designed for the advanced level student who desires a more challenging course of study. Students will experience a more in-depth study of the four disciplinary core ideas for the Physical Science domain which are, (1) Matter and Its Interactions; (2) Motion and Stability: Forces and Interactions; (3) Energy; and (4) Waves and Their Applications in Technologies for Information Transfer. This course will move at an accelerated pace allowing additional topics to be incorporated into the curriculum. Students interested in taking Physics their senior year would benefit from this course. Students should be willing to allow extra time for their studies. In order to qualify for Honors Physical Science, a student must have a minimum "90" average for the previous year's science course and teacher approval. Standardized test scores from previous years will also be considered before placement. A student who completes an Honors course with a 90% semester average or higher, will have 5 points added to his/her semester average. In addition to the added 5 points, students will receive additional weight to their GPA for completing an Honors course.

Beginning with the class of 2027, any student who completes an Honors course will receive a GPA weight of +.5

11th GRADE CHEMISTRY: Students will explore the fundamental principles of chemistry, which characterize the properties of matter and how it reacts. Laboratory techniques will be used to obtain, organize and analyze data. Topics include, but are not limited to: matter and change, measurements and calculations, atoms, electron arrangement, periodic table and properties, chemical bonding, chemical formulas, equations and reactions, stoichiometry, properties of liquids and solids, gas laws, solutions, and acids and bases. Any student who completes this course will receive a GPA weight of +.5 regardless of semester average.

11th GRADE HUMAN ANATOMY & PHYSIOLOGY:

This course will provide students with the basic understanding of the structure (anatomy) and function (physiology) of the human body. All of the major organs and organ systems, cell and tissue structure and function, as well as analyzing the relationships between anatomical structures and physiological functions of systems in the human body.

12th GRADE ENVIRONMENTAL SCIENCE: This course is based upon the disciplinary core component areas of study that include natural resources, natural hazards, human impacts on Earth systems, and global climate change.



SCIENCE

12th GRADE AP BIOLOGY: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations. The following topics will be explored: cellular processes, energy and communication, genetics, information transfer, ecology, and interactions, and evolution. This course is equivalent to a two-semester college introductory biology course. Students enrolled in an AP course are expected to sit for the exam. The cost for each exam is \$110. Prerequisite: students should have successfully completed biology and chemistry with teacher approval. A student who completes an AP course with an 85% semester average or higher, will have 10 points added to his/her Semester Average. In order to receive the extra 10 points for taking an AP course, a student must receive an average of 85% or higher and complete the AP exam in May. GPA weight is added regardless of semester average.

Beginning with the class of 2027, any student who completes an AP course will receive a GPA weight of +1.0.

12th GRADE HONORS PHYSICS: Physics is an advanced level science class that focuses on the study of forces, motion and energy. An understanding of basic algebra and trigonometry will be necessary to be successful in this course. Lab activities and complex problem solving will also be an important part of the learning process. Topics include, but are not limited to: acceleration, motion in two dimensions, Newton's laws of motion, work and energy, momentum and collisions, gravity and circular motion, temperature and heat, thermodynamics, waves, light, and sound. A student who completes an Honors course with a 90% semester average or higher, will have 5 points added to his/her semester average and will also have GPA weight added regardless of semester average.

Beginning with the class of 2027, any student who completes an Honors course will receive a GPA weight of $\pm .5$



ENGLISH

ENGLISH

ENGLISH 7: Seventh grade English focuses on the application of foundational skills building depth of knowledge, increasing reading, writing, speaking and listening stamina, throughout the curriculum. Standards focus on various types of literacy such as critical, digital, language, research, and vocabulary in order to transition from elementary to secondary content.

ENGLISH 8: Eighth Grade Language Arts is an in-depth exploration of the writing process combined with extensive reading in interdisciplinary areas. Students will be continually pushed to move from the literal to the abstract in their critical thinking. We will use the writing workshop format and allow individual writing portfolios to reflect students' progress. Close reading of literary selections will reinforce reading comprehension.

ENGLISH 9: In this English course, students will grow in their use of language as they study literature (short stories, novels, drama, and poetry), practice research, write (various essays and other creative pieces), review grammar, and daily use speaking and listening skills. Activities will require them to read, write, think, and discuss critically.

PRE-AP ENGLISH 9: In this English course, students will grow in their use of language as they study literature (short stories, novels, drama, and poetry), research, write (various essays and other creative pieces), review grammar, and daily use of speaking and listening skills. Participation in Pre-AP courses allows students to slow down and focus on the most essential and relevant concepts and skills. Students have frequent opportunities to engage deeply with texts, sources, and data as well as compelling higher-order questions and problems. Pre-AP English 1 courses focuses on the following criteria:

- Close observation and analysis of text
- Evidence based learning
- Higher order thinking
- Academic conversations

Summer reading may be a requirement for this course. A student who completes this course with a 90% semester average or higher, will have 5 points added to his/her semester average. In addition to the added 5 points, students will receive additional weight to their GPA for the course.

Beginning with the class of 2027, any student who completes a PreAP course will receive a GPA weight of +.5

ENGLISH 10: This survey course is designed to prepare students for the demands of future English courses as well as for their careers. Students devote time to reading, studying, and analyzing major literary topics and themes across the history of the United States from the 1600s to the early 1900s, improving various language and writing skills in preparation for the ACT, learning the research process, composing essays using MLA format, and honing skills in speaking and listening.



ENGLISH

PRE-AP ENGLISH 10: This rigorous course is designed to prepare students for the demands of future English courses such as AP Language in eleventh grade and AP Literature and Composition in the twelfth grade as well as college courses. In this English course, students will grow in their use of language as they study literature (short stories, novels, drama, and poetry), research, write (various essays and other creative pieces), review grammar, and daily use of speaking and listening skills. Participation in Pre-AP courses allows students to slow down and focus on the most essential and relevant concepts and skills. Students have frequent opportunities to engage deeply with texts, sources, and data as well as compelling higher-order questions and problems. Pre-AP English 10 course focuses on the following criteria: close observation and analysis of text, evidence based learning, higher order thinking, and academic conversations. Summer reading may be a requirement for this course.

A student who completes this course with a 90% semester average or higher, will have 5 points added to his/her semester average and will also have GPA weight added regardless of semester average.

Beginning with the class of 2027, any student who completes a PreAP course will receive a GPA weight of +.5

AP ENGLISH LANGUAGE AND COMPOSITION (11THgrade): An AP course in English Language and Composition is a college level course that provides students with the skills and information necessary to analytically read prose written in a variety of periods, disciplines, and rhetorical contexts; to then formulate theories and arguments based on the readings while preparing students for the AP Language and composition exam given in May. Students become proficient writers who compose articulate essays using advanced elements of diction, syntax, style, purpose, and tone. The purpose of the course is to empower students to read complex (college level) texts with understanding and to write prose of sufficient depth and complexity to communicate effectively with mature readers. Students enrolled in an AP course are expected to sit for the exam. The cost for each exam is \$110. Prerequisite: In order to qualify for AP English Lit and Comp, a student must have maintained an "90" or above average in Pre-AP English 10 the previous year and teacher approval. Summer reading is a requirement for this course.

A student who completes an AP course with an 85% semester average or higher, will have 10 points added to his/her semester average. In order to receive the extra 10 points for taking an AP course, a student must receive an average of 85% or higher and complete the AP exam in May. GPA weight is added regardless of semester average.

Beginning with the class of 2027, any student who completes an AP course will receive a GPA weight of +1.0.



ENGLISH

ENGLISH 11: The English 11 course prepares students for the demands of future English courses in both high school and college settings as well as for their careers. Students devote time to studying the major literary topics and themes across the history of the United States from 1930 to present day, as well as other selected texts. Students master various grammar objectives, compose essays and write a research paper using MLA format and the research process, and improve skills in speaking and listening. By the end of the course, students will master the objectives described in the Lee-Scott Course of Study Standards. Summer reading is a requirement for this course.

ENGLISH 12: This course focuses on preparing students for college with a focus on British Literature. Students refine skills in English grammar, usage, and mechanics through practice reading, analyzing, and writing (including one major research paper formatted in MLA format). Literature studies will trace the development of British literature from earliest Anglo-Saxon times through the twentieth century with an emphasis on heroes and cultures. In addition, students will read and study a wide range of representative styles of major writers in various genres (prose, poetry, short stories, essays, and novels).

AP ENGLISH LITERATURE AND COMPOSITION (12TH GRADE): AP English Literature and Composition is designed to be equivalent to a college or university level course while meeting the standards and requirements of a senior high school language arts class and preparing students for the AP English Literature and Composition exam given in May. The course includes an intensive study of several works of literary merit. Discussion and writing are the primary modes of learning to analyze and evaluate literature. Taking this intensive course offers students an opportunity to learn to manage time, follow a daily syllabus, hone their writing skills, and earn college credits. Students enrolled in an AP course are expected to sit for the exam. The cost for each exam is \$110. Prerequisite: In order to qualify for AP English Lit and Comp, a student must have maintained an "90" or above average the previous year in an AP or Honors English class and teacher approval. Summer reading is a requirement for this course. A student who completes an AP course with an 85% semester average or higher, will have 10 points added to his/her semester average. In order to receive the extra 10 points for taking an AP course, a student must receive an average of 85% or higher and complete the AP exam in May. GPA weight is added regardless of semester average.

Beginning with the class of 2027, any student who completes an AP course will receive a GPA weight of ± 1.0 .



SOCIAL STUDIES

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7th GRADE GEOGRAPHY AND CIVICS: Geography and Civics are each taught as a one-semester course. In the geography course, students study world geography using a thematic approach. They focus on Earth as the subject matter that involves people, places, and environments and learn that geography seeks meaning in spatial patterns and processes that involve asking questions regarding where and why. The civics course addresses content regarding democracy; liberty; law; personal economics; and local, state, and national civic responsibility. This course provides students with information about how society works, including the role students play in the community and in the world.

8th GRADE WORLD HISTORY to 1500: Eighth Grade World History addresses the time period from prehistoric man to the 1500s. The class incorporates economics, geography, history, and political science, with an emphasis on the history and geography strands. This course covers the migrations of early peoples, the rise of civilizations, the establishment of governments and religions, the growth of economic systems, and the ways in which these events shaped Europe, Asia, Africa, and the Americas. Unique to this course are the experiences that provide for the study of the ways human beings view themselves over time. Instruction is designed to actively involve students in critical thinking and the exchange of ideas, including critical evaluation, interpretation, reasoning, and deduction.

9th GRADE WORLD HISTORY 1500 to Present: The 9th Grade World History course covers the period from 1500 to the present. Topics include, but are not limited to, the Renaissance, Reformation, Scientific and Industrial Revolutions, Enlightenment, Imperialism, World Wars One and Two, the Cold War, and the Post-War World. The course directs students to think critically about the forces that combined to shape the world today. It allows them to analyze development and changes in the European, Asian, African, and American civilizations and ways in which interactions of these cultures have influenced the formation of today's world. Knowledge of other cultures enables students to develop a better appreciation for the unique American heritage of liberty.

10th GRADE US HISTORY I: Beginnings to Industrial Revolution: This course covers early American History from the arrival of Europeans through the Civil War and Reconstruction. The material is presented in a chronological order with an emphasis on the significance of major historical events. In order to qualify to take AP US History next year, students must earn a minimum grade of "90" in this course each semester and have teacher approval.



SOCIAL STUDIES

10th GRADE AP EUROPEAN HISTORY: AP European History provides the first advanced placement experience for LSA students while exposing them to a college-level workload and course material. Students taking this course should have excellent time-management and study skills as well as advanced writing and reading comprehension abilities. Requirements of the course are rigorous and include summer reading and additional reading each quarter. This course is recommended for students who have previously taken a Pre-AP or an AP course. Students enrolled in an AP course are expected to sit for the exam. The cost for each exam is \$110. Prerequisite: In order to qualify for AP Euro, a student must have maintained an "90" average for the previous year in their 9th grade History class and teacher approval. Summer reading is a requirement for this course.

A student who completes an AP course with an 85% semester average or higher, will have 10 points added to his/her semester average. In order to receive the extra 10 points for taking an AP course, a student must receive an average of 85% or higher and complete the AP exam in May. GPA weight is added regardless of semester average.

Beginning with the class of 2027, any student who completes an AP course will receive a GPA weight of +1.0.

11th GRADE AP UNITED STATES HISTORY: Advanced Placement United States History is a challenging course that is meant to be equivalent to a freshman level college course and can earn students college credit. This is a two-semester survey of American History from Westward Expansion to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study are necessary to succeed. An emphasis is placed on critical and evaluative thinking skills, essay writing and the interpretation of original documents. This course is recommended for students who have previously taken a Pre-AP or an AP course. Students enrolled in an AP course are expected to sit for the exam. The cost for each exam is \$110. Prerequisite: In order to qualify for AP U. S. History, a student must have maintained an "90" or above average the previous year in their 10th grade History class and teacher approval. Summer reading may be a requirement.

A student who completes an AP course with an 85% semester average or higher, will have 10 points added to his/her semester average. In order to receive the extra 10 points for taking an AP course, a student must receive an average of 85% or higher and complete the AP exam in May. GPA weight is added regardless of semester average.

Beginning with the class of 2027, any student who completes an AP course will receive a GPA weight of +1.0.



SOCIAL STUDIES

11th GRADE US HISTORY II: The Industrial Revolution to the Present: The purpose of this course is for students to not only learn history, but also to experience it. Not only will they learn an understanding of past events, but will also realize how current news events will shape the history of today. Students will come to recognize themes from many eras and relate these themes to today's issues. Students will grow in the knowledge and understanding of past and present events that have and will change history. Students will be pushed to use critical thinking skills to find and deliver answers to many essential questions. Topics covered included but are not limited to Western Frontiers, Progressivism, Expansionism, The Great Depression, The New Deal, The Cold War, Kennedy-Trump.

12th GRADE GOVERNMENT: U.S. Government is a one-semester course. The course goal is for students to develop the civic knowledge necessary for becoming active participants and citizens of this nation. Achievement of this goal prepares students to participate as informed citizens through voting, serving on a jury, holding political office, and deliberating public policy. Content focuses on intellectual, political, and economic factors that influenced the development of a republic based on rule of law, freedom of opportunity, individual liberty, and representative government. Democratic principles that served as a foundation for the development of our nation are embedded in a detailed study of the Constitution of the United States, a key component of the course. Content fosters long-term learning and encourages students to understand the value of their roles as citizens in a democracy.

12th GRADE ECONOMICS: Economics is a one-semester course that addresses essential concepts necessary for students to completely and effectively participate in a complex global society. Context encompasses both microeconomic and macroeconomic principles. Key elements include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization and trade.



SOCIAL STUDIES

12th GRADE AP GOVERNMENT: Advanced Placement Government is a one-semester course. It is an introductory college-level course designed to prepare students to successfully complete the AP examination in May. AP Government will give students an analytical perspective on government and politics in the United States. Students will become familiar with a variety of theoretical perspectives and explanations for various political behaviors and outcomes. Topics covered throughout the semester include the following: constitutional foundations, political parties and interest groups, the mass media and politics, government institutions, public policy, and civil liberties. The course is for the student who desires an in-depth study of American politics and government in an analytical format. This course is recommended for students who have previously taken a Pre-AP or an AP course. Students enrolled in an AP course are expected to sit for the exam. The cost for each exam is \$110. **Prerequisite**: In order to qualify for AP Government and Politics, a student must have maintained an "90" or above average the previous year in their 11th grade History class and teacher approval. Summer reading may be a requirement.

A student who completes an AP course with an 85% semester average or higher, will have 10 points added to his/her semester average. In order to receive the extra 10 points for taking an AP course, a student must receive an average of 85% or higher and complete the AP exam in May. GPA weight is added regardless of semester average.

Beginning with the class of 2027, any student who completes an AP course will receive a GPA weight of ± 1.0 .



FOREIGN LANGUAGE

FOREIGN LANGUAGE

SPANISH A - This is a one semester course that introduces students to the Spanish language. It begins with basic vocabulary, pronunciation skills and everyday expressions, followed by grammar concepts and sentence structures.

SPANISH B - This is a one semester course that is a continuation of Spanish A. It will continue with basic vocabulary, pronunciation skills and everyday expressions, followed by grammar concepts and sentence structures and more culture based activities. **Prerequisite**: Spanish A

SPANISH I - This course begins the path to fluency by introducing the students to useful vocabulary, expressions, tips for pronunciation and basic conversation questions followed by chapters designed to present vocabulary and grammar concepts. The students build the communication skills of speaking, listening, writing and reading in the target language through activities that practice vocabulary, key grammatical concepts and cultural information on Hispanic countries.

SPANISH II: - This course continues the path to fluency in Spanish, reviewing key grammatical concepts learned in Spanish 1 and introducing new grammatical structures. The students further develop communication skills (listening, speaking, writing and reading) in the target language through activities that challenge them to communicate on interpersonal, interpretive and presentational levels.

HONORS SPANISH III - This course deepens the level of fluency in Spanish, introducing more complex grammar concepts that require interpersonal, interpretive and presentational modes of communication. The students learn more about Hispanic cultural practices through more extensive reading passages. A student who completes an Honors course with a 90% semester average or higher, will have 5 points added to his/her semester average. In addition to the added 5 points, students will receive additional weight to their GPA for completing an Honors course.

Beginning with the class of 2027, any student who completes an Honors course will receive a GPA weight of +.5

HONORS SPANISH IV - This course sharpens the level of fluency in Spanish, aimed at an intermediate high level. The students master high-level grammar concepts that prepare them for the type of communication required in college level language courses. The students perfect their interpersonal, interpretive and presentational skills as they manipulate language in new ways. A student who completes an Honors course with a 90% semester average or higher, will have 5 points added to his/her semester average. In addition to the added 5 points, students will receive additional weight to their GPA for completing an Honors course.

Beginning with the class of 2027, any student who completes an Honors course will receive a GPA weight of $\pm .5$



FINE ARTS

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MIDDLE SCHOOL ART (7th & 8th grades): Middle School Art is an introductory course with an emphasis on the elements of art and principles of design. Students will participate in a variety of activities including skill building exercises as well as open-ended projects that require creative problem solving. Students can expect to use both 2-D and 3-D art media throughout the course including but not limited to drawing, printmaking, sculpture, and ceramics.

SENIOR HIGH ART (Grades 9-12): Senior High Art will continue to build a foundation of artistic skills and knowledge with a heavy emphasis on the elements of art and principles of design. Students will engage in the artistic process to create, respond to, and critique artwork while also working to build studio habits of mind. Art projects will be differentiated according to student knowledge, skills, interests, and ability. Students can expect to use both 2-D and 3-D art media throughout the course including but not limited to drawing, painting, printmaking, sculpture, and ceramics. Students may repeat this course throughout high school as projects offered may differ from year to year. Any student taking multiple years of art will have their progressive experience reflected on their transcript.

INDEPENDENT STUDY ART (Grades 9-12): The Independent Study Art course is designed for highly motivated students who already possess a solid understanding of various art skills and media. Students in this course will work independently to create approximately 3 original artworks per quarter. Students will generate their own ideas for projects based on a central theme, and will meet periodically with the instructor for feedback and discussion of ideas. Students will be expected to complete both 2D and 3D artworks throughout the year, and all project ideas will need to be approved before beginning. Written artist statements will also be required for each project.

Any student interested in this course will need to submit a written statement of interest as well as work samples. There is a cap on the number of students who will be accepted to this course, and preference may be given to upperclassmen.

Students interested in applying should see Mrs. Basgier for more information.

DRAMA: Students will have an opportunity to explore the theater world through improvisation and theater games, acting, and playwriting. This course will also cover the technical side of theater. Students will have the opportunity to create puppets, costumes, explore stage makeup and stage combat! Students will also participate in drama performances.

CHOIR (7th - 9th grade): Choir gives students the opportunity to improve their singing skills through choral performance and solo performance. Some of the music studied includes pop and holiday music, musical theater, music from other cultures, and traditional choral literature. Singers learn about and practice correct vocal technique, vocal health, sight-reading, and music theory as they develop improved musicianship. Opportunities to perform with students around Auburn, Lee County,, and the state of Alabama are offered through Honor Choirs, All-State Choirs, and field trips to perform at locations across the county and state. No audition is required.



ELECTIVE COURSES

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ACADEMIC COMPETITION TEAMS

SCHOLARS BOWL: an academic competition team in which students compete head-to-head against other schools in order to answer questions from all areas of knowledge such as history, literature, science, fine arts, current events, popular culture, sports, and more.

SCIENCE OLYMPIAD: employs cross-cutting concepts in all of its standards-aligned events, building 21_{st} century skill sets essential to today's science, technology, engineering and math (STEM) workforce. There are 23 events each in Division B (middle school) and Division C (high school), providing a platform for students to apply and display a wide variety of talents, from design and prototyping, to technical writing, to chemistry lab skills. A team of 15 students pairs up to tackle the 23 events which are generally spaced in six 50-minute blocks across a Saturday, encouraging collaboration, teamwork and cross-training.

MATH TEAM: is available for middle school (7th and 8th grade) and high school (9th - 12th grade). We are a competition team that will compete in at least three competitions per year. Students who wish to join the math team should have a strong math background.

ACT PREPARATION

ACT PREP: This is an Elective Course that is being offered to Sophomores and Juniors to prepare them for the College Entrance Exam known as the ACT. We will focus on getting ready to take the College Entrance Exam by learning strategies and skills needed to Master the four areas that are tested: English, Math, Reading, and Science. The goal is to be able to get students eligible for scholarships and admittance to their college of choice.

ACADEMIC PREPARATION

ACADEMIC PREPARATION: This course is designed to allow students to maximize their academic progress during school hours. Students will be able to work independently or in small groups.



ELECTIVE COURSES

BAND

7th GRADE BEGINNER BAND: This course is designed for any student that is interested in learning to play an instrument, read music, and become part of the LSA Marching and Concert Bands.

CONCERT/MARCHING BAND: This class is for students in 7th-12th grades who have completed beginning band or have completed a band course with another school. The first semester involves performing at football games, Christmas parades, and our Christmas concert. Second semester is Concert Band where we perform at concert contests and normally take a Spring trip for competition. There is a Marching Band Camp held every summer. 7th grade students will need approval from the Band Director to bypass the beginner band and enter the Marching / Concert Band.

JAZZ BAND: This class is for more advanced students in grades 8-12. We work on different styles of jazz, perform at several concerts, and attend a competition in the Spring. Entry into the Jazz band must be approved by Mr. Hudson (Band Director).

BIBLE

BIBLE 7: The first semester of this course covers Biblical Worldview - discussing questions like *Where did everything come from? Who am I? Why am I here? What's right and wrong and who decides? What happens when we die?* And how the Bible provides answers to these questions. The second semester of this course walks through God's overarching plan for creation and the book of Acts.

BIBLE 8: This course is a deep dive into the life of Jesus. We will spend the year walking through the Gospel of John discussing the life and work of Jesus in the context of 1st century Israel and our world today.

SR. HIGH BIBLE (9th-12th Grade):

In the book of Proverbs, Solomon wrote *The fear of the Lord is the beginning of wisdom*. This course will walk through the book of Proverbs teaching students to apply godly wisdom to decisions in high school and beyond. This course is also designed to cover high interest topics related to today's teenagers and their faith.



ELECTIVE COURSES

CODING AND ROBOTICS

ROBOTICS (1st Semester): This course is designed to introduce students to the fundamentals of robotics. The course emphasizes fundamentals of electrical current, digital circuits, electronic control systems, and the design and operation of the robot. *Students that intend to participate in Lee-Scott Academy's B.E.S.T. Robotics Competition team- LSR Inc. – are strongly encouraged to take this course.

CODING / LOGIC (2nd Semester): This course is a case study involving the assignment of a complete system development project for analysis, programming, implementation, and documentation. Topics include planning system analysis and design, programming techniques, coding and documentation. Upon completion, students should be able to design, code, test and document a comprehensive computer information system.

DIGITAL CITIZENSHIP

DIGITAL CITIZENSHIP: This course is designed to prepare students to make smart choices online and in life concerning the responsible use of the technology. Topics covered include: Media Balance & Well-Being, Privacy & Security, Digital Footprint & Identity, Relationships & Communication, Cyberbullying, Digital Drama & Hate Speech, News & Media Literacy.

DUAL ENROLLMENT

DUAL ENROLLMENT: College classes are available to grades 10-12 and can be taken during the summer and/or school year. They may be completed online or at the college. (Options include: Auburn First, Southern Union State Community College, Wallace State Community College, Troy University, University of Alabama, etc.) **These courses may not replace core academic courses taught at LSA and required for graduation**.

LSA also offers College Calculus I and II, PreCalculus, and Elementary Statistics taught on LSA's campus to seniors (for math core credit). There may be a required summer assignment that must be completed and turned in on the first day of school. (College tuition and fees apply to all Dual Enrollment courses.) Students who successfully complete dual enrollment classes offered at LSA will be awarded both high school and college credit. Interested students should see the Counselor. Students that enroll in Calculus I are required to enroll in Calculus II in the second semester.



ELECTIVE COURSES

FOUNDATIONS OF PERSONAL FINANCE

FOUNDATIONS OF PERSONAL FINANCE / KEYS TO CAREER SUCCESS: This course is a year-long course designed specifically for high school students. In this course, students will learn financial management skills and tools needed to take control of their financial well-being and in the workforce. Personal Finance areas of study include:budgeting, investment and risk management, communication, money management, and income taxes. Career Success areas of study include: career development and employability, completing job applications, preparing a resume, participating in job interviews, job shadowing, leadership, and teamwork.

HEALTH

HEALTH (9th - 12th Grade): This course is designed to provide information needed to help students make important decisions about health and well-being. Health topics will be taught from a Biblical Worldview and include: Foundations of Healthy Living, Personal Boundaries, Healthy Relationships with Friends and Family, Protecting purity / Respecting Sexuality, Handling Stress and Feelings, Alcohol/Tobacco/Vaping/Other Drugs, Nutrition and Physical Health. Emphasis will be placed on the student's acquiring knowledge and assuming responsibility for one's own health. This class meets the health requirement for graduation and high school credit.

LEADERSHIP

LEADERSHIP IN EVERYDAY TEENS (11th & 12th Grade): This course is for students who want to be involved in extracurricular activities at LSA. Students will be responsible for school wide activities, fundraisers and service projects with an emphasis on event planning and information dissemination required to build community and create a positive educational environment. Students who wish to develop the following skills: leadership, preparation of leadership roles in the school and community, good citizenship and service are encouraged to enroll for this course.

MATH LAB

MATH LAB 7- This is an elective course meant to supplement 7th grade math. The focus of this course is on making sense of problems and persevering to solve problems. This class will also help students learn how to study math. Teacher recommendation is needed to get into this course.

MATH LAB 8- This is an elective course meant to supplement 8th grade math. The focus of this course is on making sense of problems and persevering to solve problems. This class will also help students learn how to study math. Teacher recommendation is needed to get into this course.



ELECTIVE COURSES

PHYSICAL EDUCATION

PHYSICAL EDUCATION (Grades 7-12) Physical education is meant to develop the student in having a general understanding of wellness and fitness that will increase the quality and productivity of life. Helping students to gain an understanding that a physically fit body increases the overall effectiveness of learning and general good health now and in the future is a goal.

WORK LEAVE

WORK LEAVE: Juniors and seniors may opt to take work-leave for one or two periods a day. More information and forms will be distributed the first week of school. A maximum of 2 credits may be earned with Work Leave throughout the <u>entire</u> high school career. If a student receives these 2 credits during his/her junior year, he/she will not be allowed to take Work Leave as a senior.

YEARBOOK

YEARBOOK: While working together as a staff, students taking this course will produce the yearbook. Students will develop marketable skills such as meeting specific deadlines, time management, sales, teamwork, taking on publication roles, designing principles, photography, and feature writing, all while producing a creative, innovative yearbook which records school memories and events. There is an emphasis on journalism skills. Proofreading and editing skills will continually develop throughout the course. The main focus, of course, is working toward the completion and selling of a large finished product, Lee-Scott Academy's **The Warrior**. This is a huge task that must be met with the highest expectations. Students should have an interest in their school and community and have good work ethics and maintain above average grades. No homework will be required, unless the student needs the extra time to complete pages on our online website after missing classes





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