



Lee-Scott Academy
Upper School
Course Catalog

2021-22

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LEE-SCOTT ACADEMY COURSE GUIDE

Grades 7-12

	7 th Grade	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
MATH	Accelerated Math 7 <i>or</i> Math 7	Accelerated Math 8 <i>or</i> Math 8	Geometry <i>with</i> Data Analysis	Algebra II <i>with</i> Statistics <i>or</i> Algebra I <i>with</i> Probability	Dual Enrollment PreCalculus <i>or</i> PreCalculus <i>or</i> Algebra II <i>with</i> Statistics	Dual Enrollment PreCalculus <i>or</i> Calculus <i>or</i> PreCalculus <i>or</i> Business Calculus <i>or</i> Finite Math
SCIENCE	Life Science	Physical Science	Biology	Honors Physical Science <i>or</i> Physical Science	Chemistry <i>or</i> Anatomy & Physiology	Honors Physics <i>or</i> Environmental Science <i>or</i> AP Biology
ENGLISH	English 7	English 8	Honors English 9 <i>or</i> English 9	Honors English 10 <i>or</i> English 10	AP Lang/Comp <i>or</i> English 11	AP Lit/Comp <i>or</i> English 12
SOCIAL STUDIES	Geography/ Civics	World History <1500	World History >1500	AP European History <i>or</i> U.S. History <1900	AP U.S. History <i>or</i> U.S. History >1900	AP Macroeconomics <i>or</i> Economics
REQUIRED			Spanish I	Spanish II		Government
REQUIRED	Band <i>or</i> P.E.	Band <i>or</i> P.E.	Band <i>or</i> 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.

LEE-SCOTT ACADEMY COURSE CATALOG

ENGLISH

- **ENGLISH 7:** Seventh grade English focuses on building depth of knowledge and increasing reading and writing stamina throughout the curriculum. Students will increase their vocabulary through Membean, an online program tailored to the student's individual needs. In addition, students will study: grammar, poetry, nonfiction, and short stories. Students are required to read 600 pages every nine weeks and complete three in class novels.
- **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.
- **HONORS 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 speaking and listening skills. Activities will require them to read, write, think, and discuss critically. In this honors course, students will have the opportunity for a more in-depth exploration of these concepts and skills. In order to qualify for Honors English, a student must have maintained an "90" or above average the previous year's English class and teacher recommendation. Standardized test scores from previous years will also be considered before placement. Summer reading may be a requirement for this course. 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.
- **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.

- **HONORS 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. Students devote more time to reading, studying, and analyzing major literary topics and themes in depth than the standard English 10 course in addition to mastering various language objectives, composing analytical and longer research essays using MLA format, and honing skills in speaking, writing, and listening. The course does require some independent reading and more homework than the standard English 10 course. In order to qualify for Honors English a student must have maintained an “90” or above average the previous year and teacher recommendation. Standardized test scores from previous year will also be considered before placement. Summer reading may be a requirement for this course. 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.
- **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.
- **AP ENGLISH LANGUAGE AND COMPOSITION (11TH grade):** 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; and to then formulate theories and arguments based on the readings. 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. In order to qualify for AP English Lit and Comp, a student must have maintained an “90” or above average in Honors 10 English 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. In addition, the GPA weight is added regardless of semester average.

- **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, and discussion and writing are the primary modes of learning to analyze and evaluate literature. Taking the intensive course offers students an opportunity to learn to manage time, follow a daily syllabus, hone their writing skills, and earn college credits. 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. In addition, the GPA weight is added regardless of semester average.

SOCIAL STUDIES

- **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:** 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:** The 9th Grade World History course covers the period from 1400 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 AMERICAN HISTORY PRE-1900:** 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.
- **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. In order to qualify for AP Euro, a student must have maintained an "90" average for the year in 9th grade History 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. In addition, the GPA weight is added regardless of semester average.

- **11th GRADE AMERICAN HISTORY POST-1900:** 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- Clinton.
- **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. 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 a 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.
In addition, the GPA weight is added regardless of semester average.
- **12th GRADE GOVERNMENT:** This course replicates the Introduction to American Government course required at most universities. We cover selected topics such as Constitutionalism, Civil Rights, Legislative Branch, Executive Branch, Judicial Branch, Political Parties, the Election Process, etc.
- **12th Grade Economics:** This course covers the same basic material as AP Macroeconomics. A few select topics are not covered in as much depth as they are in AP Macroeconomics and tests are graded with more flexibility.
- **12th GRADE AP MACROECONOMICS:** This course is an introduction to the principles of Keynesian Macroeconomic Theory and is designed to prepare students to take the national AP Macroeconomics exam in May. The course relies heavily on the student's ability to think and reason rather than memorize. AP Macroeconomics is taught similarly to a college course in that students are expected to devote more time outside of class than a typical high school course. Summer reading may be 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. In addition, the GPA weight is added regardless of semester average.

MATHEMATICS

- **MATH 7:** 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 MATH:** 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. In order to qualify for this course, a student must meet the 90 percentile on the Interim III Aspire and a specific grade on an end of course assessment and teacher recommendation. 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.
- **MATH 8:** 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 MATH:** This course has been carefully aligned and designed for middle school students who have completed the Grade 7 Accelerated course and show particular motivation 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.

- **9th GRADE GEOMETRY WITH DATA ANALYSIS:** Geometry with Data Analysis will cover topics such as points, lines, and planes, similar figures, logic reasoning and proof, circles as well as data analysis with probability and stem plots. 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.
- **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.
- **ALGEBRA II WITH STATISTICS:** 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. It will cover the following topics: the algebra of functions (including polynomial, rational, exponential, and logarithmic functions), systems of equations and inequalities, quadratic inequalities, 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, conic functions, polar coordinates, limits, and matrices.
- **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. Prerequisites: Successfully completed Geometry and Algebra II, make a 20+ math ACT subscore, and apply to Southern Union for Dual Enrollment.

- **12th GRADE APPLICATIONS OF FINITE MATHEMATICS:** Applications of Finite Mathematics is designed as a fourth-year course for those students who are interested in post-secondary programs that do not require Calculus. This class will present mathematics in a way that is relevant and meaningful in everyday life. It covers a wide range of topics including logic, counting methods, information processing, graph theory, election theory, and fair division.
- **12th GRADE BUSINESS CALCULUS:** This course is intended to give a broad overview of calculus. It includes differentiation and integration of algebraic, exponential, and logarithmic functions and applications to business and economics. The course should include functions of several variables, partial derivatives (including applications), Lagrange Multipliers, L'Hopital's Rule, and multiple integration (including applications) Prerequisite: Geometry, Algebra II, and Pre Calculus.
- **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.
- **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.

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 BIOLOGY:** Biology is a required, inquiry-based course focused on providing all high school students with foundational life science content about the patterns, processes, and interactions among living organisms. Content standards within this course are organized according to the disciplinary core ideas for the Life Science domain including Molecules to Organisms, Structure and Function, Ecological Concepts, Inheritance and Variations of Traits, and Unity and Diversity of Organisms. The standards provide a depth of conceptual understanding to adequately prepare them for college, career, and citizenship with an appropriate level of scientific literacy.
- **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.
- **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.

- **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.
- **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.
- **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. Prerequisites: 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. In addition the GPA weight is added regardless of semester average.
- **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.
- **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.

In addition to the added 5 points, students will receive additional weight to their GPA for completing an Honors course.

FOREIGN LANGUAGE

- **SPANISH 8** - 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 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.
- **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.

FINE ARTS

- **ART:** This is an introductory, foundation level course that introduces students to the visual arts, the elements of art, and the principles of design, while developing a technical level of skill with various tools and media. Students will explore a variety of artists, art processes, and materials such as drawing, painting, printmaking, two and three dimensional design, and graphic design. Students' artwork will reflect aesthetics within cultural and historical contexts. Students, at any level, should have an artistic curiosity and a willingness to explore the creative process. Art will be differentiated according to student knowledge, skills, interests, and ability. Students taking multiple years of art will have their progressive experience reflected on their transcript (Art I, Art II, Art III, etc).
- **DESIGN 1 Art:** This is an introduction to the design discipline through visual problem solving and critical analysis. Topics include: design principles and elements, vocabulary, color theory, Gestalt principles, conceptualization strategies, and creative thinking. Students will explore the role of the designer through idea conceptualization, creation/installation of uniquely created design pieces for school and artistic promotion. Students will work in a variety of media including 2D and 3D art.
- **3D Art:** This course will introduce the basics of three dimensional design and processes. It will cover topics in three-dimensional design in which students will explore the principles of visual perception and the meaning of form, space, function, mass and structure as they relate to three-dimensional design. Students will develop concepts and execute designs based on the elements of and principles of design. Individual and group experiences will promote problem solving, creative thinking, and formal expression.
- **JR. HIGH DRAMA:** Students will have an opportunity to explore the theatre world through improvisation and theatre games, acting, and playwriting. This course will also cover the technical side of theatre. Students will have the opportunity to create puppets, costumes, explore stage makeup and stage combat!
- **SR. HIGH DRAMA:** Students will build on the Junior High class but will not be a prerequisite. Students will have an opportunity to explore the theatre world through improvisation and theatre games, acting, and playwriting. This course will also cover the technical side of theatre. Students will have the opportunity to create puppets, costumes, explore stage makeup and stage combat!
- **MIXED CHOIR 7-9:** Mixed Choir explores a variety of music styles throughout the school year including pop and holiday music, 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 are offered for concert performance, solos, honors choruses, All-State Choir, and field trips. No audition is necessary.

ELECTIVE COURSES (listed in alphabetical order)

- **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 21st 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 math team should have a strong math background.
- **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.
- **MIDDLE SCHOOL BIBLE:** Biblical Worldview - a semester course that helps you to see the big picture in this world - *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.
- **BIBLE (9TH-12TH GRADE):** These are elective semester Bible courses that will include the study of either of the following: 1) ***Apologetics*** - the study of the evidence for Christianity through archeology, science, philosophy, prophecy, reasoning and biblical history. 2) ***Hermeneutics*** - Biblical

hermeneutics is the study of the principles and methods of interpreting the text of the Bible. The purpose of biblical hermeneutics is to help us to know how to properly interpret, understand, and apply the Bible.

- **CHARACTER COUNTS:** Character Counts is a yearlong class for twelfth graders. We will focus on character education through service. We will be participating in various service projects and participating in a mentoring program with at-risk students in the elementary school. This year we will be utilizing the *43 Lessons to Legacy* curriculum, as well as studying *The Purpose Driven Life*. Within this class, students also participate in the Chick-fil-A Leader Academy.
- **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.
- **COMMUNICATION AND MEDIA:** Communication is designed to educate students on the ever-changing digital world as well as to provide hands-on experience with software equipment. Topics covered in this class include graphic design animation, audio production, video production, and storage/organization. Media teaches the fundamentals of media representation, storage, communication, and processing by digital means, with an emphasis on audio, still images, and video media.
- **DAVE RAMSEY PERSONAL FINANCE:** This is a semester course on the Foundations of Personal Finance 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 as they prepare to leave for college. Areas of study include: *Saving, Budgeting, Debt, Consumer Awareness, Investing and Retirement, Insurance, Careers, Taxes, and Giving*.
- **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: Southern Union State CC, Wallace State CC, 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** and also **PreCalculus** taught on LSA's campus to seniors (for math core credit). **There will be a required summer assignment that must be completed and turned in the first day of school.** Students who enroll in Calculus I or PreCalculus **MUST** dual enroll (through SUSCC), and are encouraged to dual enroll in Calculus II during Spring semester. (College tuition and fees apply to all Dual Enrollment courses.) Students who successfully

complete dual enrollment classes will be awarded both high school and college credit. Interested students should see the Counselor.

- **FILM AND FICTION:** This course will focus on film adaptations of novels and short stories, paying special attention to similarities and differences in narrative technique. Students will view various types of film adaptations and consider reasons for changes in works of fiction by looking at contrasts between the presence or absence of specific scenes and plot elements. The course will emphasize the challenges in adapting a work of literature to the screen, the limits and possibilities of both art forms, and the techniques writers and filmmakers use to express their ideas. In addition to discussing works of fiction, film adaptations, and the roles of film director, screenwriter, and film scorer, students will have the opportunity to work on their own cinematic adaptation of a short story through screen writing, movie trailers, and storyboards.
- **HEALTH (8th 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.
- **HEALTH SCIENCE:** This class is designed for students interested in medical fields such as athletic training, physical therapy, medicine, nursing, dental, emergency medical technician, veterinarian and other medical related fields. This class includes classroom work, job shadowing opportunities as well as hands-on application in order to provide students with an avenue to explore these fields. Through these connections students will understand the importance that exercise, nutrition, treatment modalities, and rehabilitation play in athletic health. Students will study basic anatomy and learn the basics of being a first responder.
- **HEALTH (12TH GRADE-ONLINE):** 1. This one semester course is an online study of the basic concepts of health and wellness including: *foundations of health; mental & emotional health; nutrition and physical activity; alcohol, other drugs and tobacco; healthy relationships*. This class is for seniors who have NOT completed the health class requirement for graduation.
- **INTRODUCTION TO MACBOOK:** This course is designed for students to learn how to use their MacBooks as an efficient and effective tool. They will learn how to integrate apps and programs to build a robust collaboration platform for their school work and beyond. Some of the specific topics taught include but are not limited to are Gmail and Google Classroom, Google Calendar, Docs, Drive Forms, Sheets and Slides, Google Meet and Zoom video conferencing.

- **LEADERSHIP IN EVERYDAY TEENS (10th & 11th 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 7-** Math Lab 7 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-** Math Lab 8 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.
- **PHYSICAL EDUCATION (GRADES 7-8)**
- **PHYSICAL EDUCATION (GRADE 9)**
- **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.
- **SPEECH AND DEBATE:** This is a recommended course course for students who want to learn the art of public speaking and the craft of objective, rational debate. Speech and Debate is a co-curricular, competitive performance class. Debate teaches students how to participate in the rational exchange of ideas and arguments as they relate to significant social issues. Speech events sharpen public speaking skills. Students will learn theory and practice of speech communication behavior in on-to-one, small group, and public communication situations. Students will also have a set of portable argumentation and advocacy skills that they can use in a variety of experiences throughout the curriculum at LSA. Special emphasis will be placed on critical thinking and listening skills as well as argument resolution.

- **SPORTS MANAGEMENT:** This course will serve as an overview of business and management principles with an emphasis on the sports industry. Time will be spent exploring the history and development of the industry as well as current issues and topics in sports at various levels, including amateur to professional sports. Students will be introduced to business principles and management techniques as well as areas of marketing and career opportunities.
- **ACADEMIC PREP:** 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.
- **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 entire 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:** 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 in our online website after missing classes.