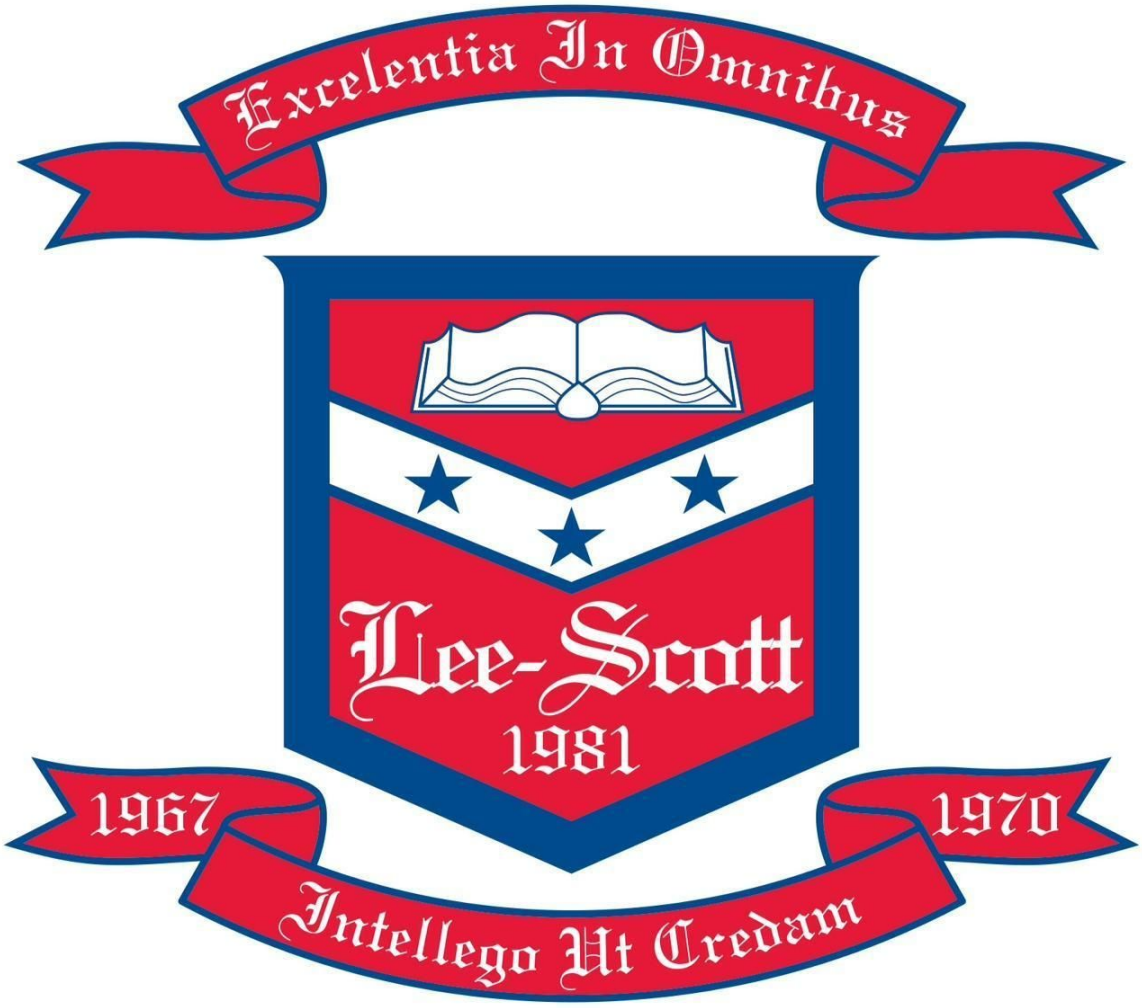

Lee-Scott Academy
Upper School
Course Catalog

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LEE-SCOTT ACADEMY COURSE CATALOG

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LEE-SCOTT ACADEMY COURSE GUIDE

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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.

ENGLISH

- **ENGLISH 7:** English 7 is a yearlong class for seventh graders. We will focus on grammar, composition, literature, and vocabulary while utilizing technology. We will read three novels: Jaguar by Roland Smith, The Watsons go to Birmingham--1963 by Christopher Paul Curtis, and The Wednesday Wars by Gary D. Schmidt.

- **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.

- **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 related to the course and can expect more homework than the standard English 10 course.

- **ENGLISH 11:** The English 11 course is 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 for the United States from 1930 to present day, as well as other selected texts. Students master various grammar objectives, compose essays 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.

- **AP ENGLISH LANGUAGE AND COMPOSITION (11TH GRADE):** An AP course in English Language and Composition is 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.

- **ENGLISH 12:** This course focuses on preparing students for college with a focus on responsibility and communication. Students refine skills in English grammar, usage, and mechanics through practice reading, analyzing, and writing (including one major research paper formatted in multiple styles). 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).

- **ADVANCED PLACEMENT 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.

SOCIAL STUDIES

- **7th GRADE GEOGRAPHY:** Seventh Grade Geography is a study of the patterns and interactions of countries in the Eastern Hemisphere. Students will determine information about people, places and environment through the use and construction of geography tools. From an understanding of the physical and human characteristics of places, students will study the effects of the interaction between human and physical systems. With an emphasis on resource distribution and use, students will determine how economic, political, cultural, and social processes interact to shape patterns of human populations, interdependence, cooperation, and conflict. Critical thinking, problem solving, communication, collaboration, and cross-cultural understanding will be emphasized throughout the course.

- **7th GRADE CIVICS:** Seventh Grade Civics is designed to provide students with basic knowledge and skills for functioning in modern American Society. American government and the economy are also studied as students explore the importance of taking an active role as citizens of the United States of America as well as make comparison with other nations. Application to the student's individual lives is stressed throughout the course as the students acquire information, apply it, and develop skills to cope with issues and problems in contemporary American society. Students will not only study the basic beliefs and principles that helped shape our government but analyze documents such as the Declaration of Independence, the U.S. Constitution and the Bill of Rights. This course is designed to provide the student with the skills necessary to become both an informed and involved citizen in our democratic society.

- **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 approximately 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.

- **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.

- **10th GRADE ADVANCED PLACEMENT 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.

- **11th GRADE AMERICAN HISTORY POST-1900:** The purpose of this course is for student 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 ADVANCED PLACEMENT 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.

- **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 more leniently.

- **12th GRADE ADVANCED PLACEMENT 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.

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 ADVANCED PRE-ALGEBRA:** Advanced Pre-Algebra is designed for the students who are confident in their math abilities coming into 7th grade. It is fast paced and will require the students to work hard and even allow them to discover some interesting math relationships. 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 honors/advanced mathematics as they continue through high school. In order to qualify for Advanced Algebra 1, a student must have maintained an 85 or above average in Pre-Algebra as well as received a teacher recommendation for placement in this advanced class. Standardized test scores from previous years will also be considered before placement.

- **8th Grade ALGEBRA 1:** This course covers the study of algebraic concepts and the real number system; equations and inequalities; relations; functions; graphing; factoring; equations of lines; applying formulas to find perimeter, area, volume, circumference, distance, midpoint, and slope; systems of equations; quadratic, radical, and absolute value equations; basic probability and statistics; problem solving.

- **8th Grade ADVANCED ALGEBRA I:** This fast-paced course covers advanced study of algebraic concepts and the real number system; equations and inequalities; relations; functions; graphing; factoring; equations of lines; applying formulas to find perimeter, area, volume, circumference, distance, midpoint, and slope; systems of equations; quadratic, radical, and absolute value equations; basic probability and statistics; problem solving. Because Algebra I is the foundation for all higher mathematics courses, students taking Advanced Algebra I in 8th grade must have at least an "85" average for the year in Pre-Algebra. Standardized test scores from previous years and a teacher recommendation will also be considered before placement.

- **9th Grade GEOMETRY:** This course is a basic college-prep course that prepares students with the fundamentals of geometry for future high school and college math courses. Strong algebra skills are needed to be successful in this course. This course begins with the basic tools of geometry involving points, lines and planes and quickly moves into a unit on logic, reasoning, and proof. Students will also learn the difference between similarity and congruence and important special relationships in triangles, quadrilaterals and circles. Students' prior knowledge of area, perimeter, volume, symmetry, transformations, and trigonometry is expanded in this course. Students who take LSA's basic geometry course will be exposed to the most important concepts needing to be mastered for the ACT and SAT standardized tests. This course challenges students to think and visualize in new ways and is very important for future math courses

- **9th Grade HONORS GEOMETRY:** 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 be organized and have a strong work ethic and eagerness to learn.

- **10th Grade ALGEBRA II W/ TRIGONOMETRY:** Algebra II with Trigonometry is a course designed to extend students' knowledge of Algebra I with additional algebraic and trigonometric content. Mastery of the content standards for this course is necessary for student success in higher-level mathematic. The use of appropriate technology is encouraged for numerical and graphical investigations that enhance analytical comprehension.

- **10th Grade HONORS ALGEBRA II W/ TRIGONOMETRY:** 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 concepts and the use of graphing calculators will be an integral part of this course. This course will move at an accelerated pace allowing additional topics to be incorporated into the curriculum. All students pursuing honors should expect to find the content and pace of the coursework challenging and should be willing to allot extra time for their studies.

- **11th Grade PRECALCULUS:** This course covers 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, functions, and polar coordinates.

- **11th Grade HONORS PRECALCULUS:** This course is geared to the motivated student who plans to enroll in an advanced/Dual Enrollment math course in the future. This course will move at an accelerated pace allowing additional topics to be incorporated into the curriculum. All students pursuing honors should expect to find the content and pace of the coursework challenging and should be willing to allot extra time for their studies.

- **12th Grade DISCRETE MATH:** This course is geared towards students who will not necessarily major in the math and sciences. This course will help students to acquire knowledge of fundamental mathematics and enable students to develop problem-solving skills, while fostering critical thinking.

- **12th Grade BUSINESS CALCULUS:** Applied Calculus for the Managerial, Life, and Social Sciences attempts to illustrate the vital role that math plays in our increasingly complex daily life. Students have a much greater appreciation of the material if the applications are drawn from their fields of interest and from situations that occur in the real world. Special emphasis is placed on helping student formulate, solve, and interpret the results of applied problems (Tan, 2012).

- **12th Grade COLLEGE CALCULUS**
    - Calculus I: 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.
    - Calculus II: 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.

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**: This course will provide students with the basic understanding of biology, biological concepts, laboratory skills, as well as critical thinking skills. We will cover ecology, cell structure and function, genetics, evolution, biochemistry, viruses, bacteria, fungi, plants, animals and the scientific method.

- **9th Grade HONORS BIOLOGY**: This course is intended for students who have previously had a very solid background in physical science. Honors biology is designed more towards independent study and self-motivation with more emphasis on research and higher order thinking skills. Students will work at an accelerated pace and cover more challenging material than in the regular biology class. Students should be prepared to spend an increased amount of time on assignments outside of the classroom.

- **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.

- **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.

- **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 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.

FOREIGN LANGUAGE

- **SPANISH 1:** 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 2:** 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.

- **SPANISH 3:** 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.

- **SPANISH 4:** This course sharpens the level of fluency in Spanish, aimed at a 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.

FINE ARTS

- **ART 1/ SENIOR ART:** Through this class you will projects using mediums such as clay, acrylic paint, watercolor, and create favorites such as the recycled art, self-portrait shoe and stop motion animation. Seniors will finish out the year leaving their legacy by painting their Senior Tile!

- **ART 2:** Students will have the opportunity to use what they learned in Art 1 to choose a medium to further explore. Students will have the opportunity to develop their creativity further and become proficient at a particular medium. Class atmosphere will be more like a studio and students will be expected to be self motivated.

- **JR. HIGH ART:** Using the skills learned in elementary school, junior high students will create art using the choice based environment. Students will be allowed to explore new mediums of their choice or work on becoming proficient in a specific medium. Creating art and engaging in critiques will allow students the opportunity to use artistic language, develop critical thinking skills, and grow creatively.

- **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:** 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.

- **WOMEN'S CHORUS:** Students who desire to sing at an advanced level are encouraged to join Women's Chorus. Singers will continue to grow in their musicianship while rehearsing and performing more challenging vocal literature. Traditional and pop music, a cappella music, and a variety of other literature will be included in the repertoire. As LSA's primary performing choral ensemble,

there will be additional opportunities for performances as well as those listed for Mixed Choir. Students must be approved by the director to register for this class.

- **PHOTOGRAPHY:** Students in Photography will develop and expand their skills in producing both artistic and commercial photographs using digital DSLR cameras and equipment. Photography meets the credit requirements for Fine Art, and elective graduation requirements. Students learn to take artistic digital photos following rules of composition, light, exposure, elements of art and principles of design that also enhances their ability to produce quality commercial work. Adapting and updating student's skill set to the ever-changing software and hardware technology is a constant goal of all the photography courses.

ADDITIONAL ELECTIVES

- **ACADEMIC COMPETITION TEAMS:** (scholars bowl, science olympiad, math team): This course will be available to those wanting to learn more about academic team participation. Enrollment in this course does not guarantee placement on an academic team. Additionally, students not enrolled in this course may still participate on an academic team.

  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 pair 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 course is offered to Sophomores and Juniors in order to prepare them for the ACT, a College Entrance Exam. Students will focus on getting ready to take the ACT by learning strategies and skills needed to master the four areas that are tested: English, Math, Reading, and Science. Students will study and practice listening and note taking techniques, test taking strategies,

questioning and thinking information retrieval, pre-ACT test practice, memory technique, reading in the content areas, and vocabulary development with the central goal to increase both subtest and composite scores. Students will take practice tests and do activities to improve their skills in the given areas. The goal of this course is for students to be scholarship eligible and admittance eligible to the college of their choice.

- **ANIMAL SCIENCES:** The Animal Sciences elective is an introductory course for students who may be interested in pursuing a career in the animal care industry (veterinarian, veterinary technician, animal handler/trainer, etc.). It will include an overview of the careers opportunities for someone with an animal sciences degree, importance of animals in agriculture, in particular horses and cattle, and companion animals, anatomy and physiology of certain animals, animal breeds, animal care and nutrition. Love and respect for animals are required!

- **BIBLE (7th GRADE):** Biblical Worldview - a 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 (8TH GRADE):** Bible: This is a semester overview of the Bible as God's Mission story. We will look at the amazing acts of God in the Old Testament as they lay the foundation for the coming of the Messiah in the New Testament. We will develop an understanding of the chronological order of the books of the Bible and how they fit together.

- **BIBLE (9TH-12TH GRADE):** These courses 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) ***Hermenuetics*** - 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*.

- **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.

- **COMPUTER APPLICATIONS 8th GRADE:** This course is designed to further assist students in developing and performing certain technological skills necessary in today's technology inspired world. They will also learn to think more critically and creatively, evaluate the quality of their own work, and take ownership of their learning and skills development. Digital Citizenship will be emphasized. The students will use their iPads and MacBook Airs from the mobile cart to complete curriculum-related and project-based tasks. They will also use Google Apps for Education and acquire knowledge/skills in creating spreadsheets. Students will have the opportunity to advance in keyboarding skills, which is still a necessary skill needed in college and the workforce.

- **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** 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 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.

- **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 (12TH GRADE-ONLINE):** 1. This course is an individual 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.

- **HISTORY OF FILM:** The films we will be watching for this class are Hollywood films rather than documentaries, so they are reenactments of historical events--not a documentary record of events. We will discuss the setting and context of the movie, research relevant facts which aid one's understanding of the film, and write short response pieces related to various topics. Students will gain new perspectives on interpreting history and the process by which filmmakers preserve the past.

- **MATH SUPPORT:** This course is designed to provide opportunities for those students who demonstrate need in math to receive supplemental math support. This support will facilitate students' mastery of standards, reinforce math concepts, and strengthen foundation in math. Students will also have an opportunity to develop better organization and study skills. (PASS/FAIL COURSE)

- **PHYSICAL EDUCATION (GRADES 7-9):** This course will focus on students achieving and maintaining a level of physical fitness for health and performance while demonstrating knowledge of fitness concepts and strategies. Students will be taught fundamental skills and sport specific skills, rules, and concepts. This course is focused on developing proficient movement skills, endurance, muscle strength, and lifeline fitness goals . Students will understand that regular exercise will benefit their personal, physical, and mental health.

- **PSYCHOLOGY:** This course is a study of concepts in psychology. The course covers a wide variety of psychological concepts including a brief history of psychology, research methods, how the brain processes information, learning, memory, perception, motivation and psychological wellness. The students will not only learn about psychology, but will better understand themselves, their world, and life in general.

- **ROBOTICS/DRONE TECH (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 on Lee-Scott Academy's B.E.S.T. Robotics Competition team- LSR Inc. – are strongly encouraged to take this course.

- **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 amatuer to professsional sports. Students will be introduced to business principles and management techniques as well as areas of marketing and career opportunities.

- **SPORTS MEDICINE/HEALTH OCCUPATIONS:** 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 basics of being a first responder.

- **STUDENT AIDE:** This course is open to seniors who would like to assist a faculty or staff member throughout the year. Duties include clerical work and/or working with elementary students. Interested students should see their Counselor the first week of school. Students will not be placed until August. (PASS/FAIL COURSE)

- **STUDY HALL:** 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. (PASS/FAIL COURSE)

- **TECHNOLOGY 7th GRADE:** This survey of technology course introduces students to a variety of technology tools, including the Google Suite for Education, digital video production, coding, graphic design, and more.

- **WORK LEAVE:** Juniors and seniors may opt to take work-leave for one or two periods a day. A minimum of 5 hours of work, per week, is required. Students will be required to complete weekly timesheets with their employers. 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. (PASS/FAIL COURSE)

- **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, 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 due to absence(s).

ADVANCED PLACEMENT COURSES

- **AP COURSE PLACEMENT:** In order to qualify for an AP course, a student must have maintained an 85 or above average in that academic core area for the previous year(s), as well as received a teacher recommendation for placement in AP. Standardized test scores from previous years will also be considered before placement. Summer reading and related assignments will be required and due the first day of school.

- **AP COURSE GRADING:** Students who complete an AP course with a semester average of 85 or higher will be awarded an additional 10 points to their semester average. AP courses will also weight the GPA with an additional +1 quality point. (GPA weight applies to AP courses regardless of semester average.) AP students will be charged an additional AP exam fee and MUST sit for the AP exam in May. Completion of an AP course and completion of the exam does not guarantee college credit.

HONORS COURSES

- **HONORS COURSE PLACEMENT:** In order to qualify for an Honors course, a student must have maintained an 85 or above average in that academic core area for the previous year(s), as well as received a teacher recommendation for placement in Honors classes. Standardized test scores from previous years will also be considered before placement. Some Honors classes will require summer reading and related assignments, which will be due the first day of school.

- **HONORS COURSE GRADING:** Students who complete an Honors course with a semester average of 85 or higher will be awarded an additional 5 points to their semester average. Honors courses will also weight the GPA with an additional +0.5 quality point. (GPA weight applies to Honors courses regardless of semester average.)