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Academic Advising

As students progress through the LCS Middle and Upper School programs, they will make some important decisions. Students choose the rigor of their core courses, the electives and activities that enrich their academic and social lives, the degree plan to follow, and the tests to take for college entrance. The Academic Advising Department is trained to help students set their academic and career goals, build their academic record, and navigate through the college application process.

Student Schedules

Students are required to submit individual course requests prior to each academic year. Academic advisors are available to help students review course offerings and make appropriate selections. Parents and students are encouraged to discuss scheduling options prior to submitting course requests, and are asked to carefully consider all course elections. Administration bases its decisions for teachers and number of classes offered from the initial course requests made by April 7. LCS makes every effort possible to meet the scheduling requests of each student. Occasional administrative and staffing changes may result in the replacement of some course selections and can also result in a change in teacher assignment or class time.

Pre-Advanced Placement (Pre-AP) and Advanced Placement (AP) Programs

A Pre-AP course is one in which the curriculum is enriched and accelerated in keeping with College Board standards. An AP course is a college-level course that follows the College Board Advanced Placement curriculum. The student’s knowledge of the course curriculum is tested through the AP Exam. Any student enrolled in an AP class is required to register for and take the course’s AP Exam (with the exception of AP Macroeconomics). The AP exam fee will be billed to each student’s tuition account through the LCS Business Office. Colleges and universities have the option of accepting AP results for college credit or placement in advanced standing. Completion of Pre-AP and AP courses with passing grades results in additional points for calculating GPA (refer to “GPA Calculation” on Page 5). If a student fails a semester, no additional points will be calculated into the GPA.

Liberty recommends that parents and students refer to the document, “AP Classes: To Take or Not to Take” to determine if a student should enroll in a Pre-AP or AP course.

It is a requirement at LCS to take the test if a student is enrolled in an AP course. If a student does not take the test, the AP designation will be removed from the transcript.

Note: For more detailed information on specific AP courses, visit www.collegeboard.org.

Eligibility for 6th – 12th Grades

The following criteria apply for admission to all AP and Pre-AP courses:

- A minimum of 85 percent in a Pre-AP course or 90 percent in a regular course is required and must have been maintained in the subject for the entire previous year. (German Pre-AP and Mandarin Pre-AP courses are exempt from prior grade requirements.)
- The student must be committed to considerably more work per course per night than the standard homework requirement.
- Students must not have incurred excessive absences, tardy notices, or recurring zeroes in the most recent school year.
- Academic Advising recommends that 6th – 9th grade students enroll in no more than two Pre-AP courses per year.
- Students must agree to remain in scheduled Pre-AP and AP courses through the first semester.
- Students should obtain a minimum average of 75 percent at the end of the first semester to continue enrollment in a Pre-AP or AP course.
**Note:** Transfer students must receive approval from the Academic Committee to enroll in Pre-AP and AP courses.

**Departmental Requirements**

Some departments have additional qualification requirements for students enrolling in Pre-AP and AP courses. Many Pre-AP and AP students must complete summer reading assignments and/or projects prior to the beginning of school. Please consult the LCS Academic Advising Office for specific information. Qualified students should be enrolled in Pre-AP and AP courses **by April 28** for the 2017–2018 school year.

**Adjusted Teaching Style (ATS) Requirements**

LCS provides course selection in the core courses for students with diagnosed and documented learning differences. Offered in grades 6 – 12, these courses are designated as ATS courses, where the curriculum is modified to more closely address the students’ learning needs. Using the same texts and curriculum as those used in regular courses, ATS offers additional support beyond the traditional classroom and provides students with a venue to maximize their potential. ATS classes are available only for students who have current diagnostic testing (updated every three years) and have a diagnosed learning difference. Approval for course enrollment is granted through the ATS Academic Committee. There is an ATS course fee per school year for each ATS course taken. This fee cannot be prorated or refunded for students withdrawing from LCS during the school year or for new LCS students enrolling after the start of the school year. These classes are subject to availability, and waiting lists are maintained.

**Note:** Courses that are not designated as ATS are structured to meet the needs of students without diagnosed learning differences. Therefore, regular courses do not offer accommodations.

**Summer School Information**

Liberty offers summer school courses through Liberty Christian Online to give students the opportunity to recover credits. Liberty partners with Sevenstar Academy, the online curriculum provider, to offer a biblically integrated curriculum designed to meet Liberty’s college-preparatory graduation requirements. Although coursework is completed independently, instruction is facilitated by a remote teacher, and student progress is monitored by an LCS staff member.

Completion of online coursework is required for students who have not earned a passing grade for any semester of a required LCS course. **Students must earn a semester grade of 70 percent or above in the online course to receive semester credit**, although Sevenstar Academy considers 60 percent a passing grade. Semester grades earned through online summer school will be reflected on the student’s transcript and included in the GPA calculation. The online course grade will not replace the failing grade on the transcript or in the GPA. Summer school is limited to the courses offered through Liberty Christian Online. Please visit the Academic Advising Office for more details about summer school and the online curriculum.
Grade Point Average (GPA) and Class Ranking

GPA Calculation

The student's GPA is determined on a 4-point and 100-point scale that includes the following courses taken at Liberty Christian School (effective Fall 2014) from grades 9 – 12: Bible; English; Social Studies; Science; Math; Foreign Language; Speech; Technology, Entrepreneurship and Communication (TEC); Business and Professional Communications (BPC); and all Pre-AP/AP courses (plus Algebra I taken for Upper School credit in the 8th grade). Spanish I and Business and Professional Communication courses taken in the 8th grade prior to the 2017–2018 school year will continue to be counted in GPA calculations. On a student's transcript, semester grades are unweighted, but the GPA is weighted as follows: for the 100-point grading scale, 5 points are awarded for Pre-AP courses and 10 points for AP courses; for the 4-point grading scale, .5 point is awarded for Pre-AP courses and 1 point for AP courses. Beginning with the 2017–2018 school year, students must pass the semester to receive weighted points for GPA calculations. For students in grades 8 – 12, GPA is calculated at the end of every semester.

Note: Beginning with the 2014–2015 school year, only grades earned on eligible courses at Liberty Christian School will be included in the GPA calculations and transcribed onto student transcripts.

The LCS 4.0 Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>90–100</td>
<td>4.0</td>
</tr>
<tr>
<td>87–89</td>
<td>3.75</td>
</tr>
<tr>
<td>84–86</td>
<td>3.5</td>
</tr>
<tr>
<td>82–83</td>
<td>3.25</td>
</tr>
<tr>
<td>80–81</td>
<td>3.0</td>
</tr>
<tr>
<td>77–79</td>
<td>2.75</td>
</tr>
<tr>
<td>74–76</td>
<td>2.5</td>
</tr>
<tr>
<td>72–73</td>
<td>2.25</td>
</tr>
<tr>
<td>70–71</td>
<td>2.0</td>
</tr>
<tr>
<td>0–69</td>
<td>0</td>
</tr>
</tbody>
</table>

Class Ranking Calculation

LCS is a non-ranking school. However, the top 10 percent of students are ranked for the purpose of automatic admissions to Texas public colleges and universities. Class rank is calculated using the 100-point weighted GPA. For students in grades 10 – 12, class rank is calculated at the end of every semester.

Important! Transfer students will be eligible for ranking after four consecutive semesters at LCS.
## Graduation Requirements

The chart below provides the number of credits needed for each subject area depending on the type of diploma a student plans to pursue.

<table>
<thead>
<tr>
<th>Subject Area</th>
<th>College Prep (27 Credits)</th>
<th>College Prep w/ Honors (28 Credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>See Page 7</td>
<td>See Page 7</td>
</tr>
<tr>
<td>English</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Mathematics*</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Social Studies</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Science*</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Bible</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Foreign Language*</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Physical Education*</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Electives*</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Technology*</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td>Speech*</td>
<td>½</td>
<td>½</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Six Pre-AP/AP courses*</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* Specific requirements exist for satisfying credits in the areas indicated above. They include the following:

**Mathematics:** Algebra I, Algebra II, and Geometry must be completed to meet three of the four math requirements. Students are required to take a different math class every year in grades 9 – 12.

**Science:** Science credits must include Biology, Chemistry, and Physics. The fourth science option may be chosen from the courses provided.

**Foreign Language:** Beginning with the 2017–2018 school year, Foreign Language requirements must be met with credits from the same language in grades 9 – 12.

**Physical Education:** Physical Education requirements may be met through Athletics, Cheer, Dance Team, Band, Office/Teacher Aide (if taken prior to the 2017–2018 school year), or Encore (beginning with the 2017–2018 school year). Beginning with the 2017–2018 school year, the Office/Teacher Aide course is no longer accepted as a Physical Education credit.

**Electives:** After the required course credits are satisfied, a student may choose from other subject areas to satisfy elective credit(s). Refer to the following pages to find the courses that may be used for elective credit: Career and Technology (Page 14), Fine Arts (Page 20), and Foreign Language (Page 27). Electives can include one credit of Athletics.

**Technology:** The Technology requirement is met through the Technology, Entrepreneurship, and Communication (TEC) course or the former Business and Professional Communication or Business Computer Information Systems courses offered prior to the 2017–2018 school year.

**Speech:** Credit is met through the current Speech course or the former Business and Professional Communication or Business Computer Information Systems courses offered prior to the 2017–2018 school year.
Pre-AP/AP Courses: To graduate College Prep with Honors, students must pass six year-long Pre-AP/AP courses for Upper School credit during grades 8 – 12. Beginning with the entering class of 2021, at least two of these courses must be an AP course.

Diplomas and official transcripts are available when books and athletic equipment are all returned to LCS and any outstanding fees/fines are paid. Textbook replacement costs must first be resolved, as well as any detentions and/or in-school suspensions be served.

**College Planning**

This section provides basic, general guidelines for students planning to attend a post-secondary institution.

**Important!** Each college and university has very specific requirements for admission. Students should check with their Academic Advisor, college catalog, or the institution’s admissions office for specific admissions requirements and recommendations.

**DEGREE PLANS**

**College Preparatory Degree Plan**

The College Prep Degree Plan accommodates students who desire to complete coursework that will facilitate entrance into a four-year college or university.

*Note:* Algebra I, Geometry, and Algebra II must be completed to meet three of the four math requirements. Biology, Chemistry, and Physics must be completed to meet three of the four science requirements. For a complete list of requirements, please refer to the chart on Page 6.

**College Preparatory with Honors Degree Plan**

The College Preparatory with Honors Degree Plan accommodates students demonstrating levels of aptitude and performance equivalent to college-level work and who are applying to highly selective colleges and universities. To graduate College Prep with Honors, students must pass six year-long Pre-AP/AP courses for Upper School credit during grades 8 – 12. At least two of these courses must be an AP course. Also, three foreign language credits from the same language are required. Beginning with the 2017–2018 school year, Foreign Language requirements must be met with credits from the same language in grades 9 – 12.

*Note:* Algebra I, Geometry, and Algebra II must be completed to meet three of the four math requirements. Biology, Chemistry, and Physics must be completed to meet three of the four science requirements. For a complete list of requirements, please refer to the chart on Page 6.

**Important!** A student must not have failed more than a total of two semesters in courses counting toward graduation requirements to qualify for a College Prep with Honors diploma.
Basic College Requirements
College-bound students should present a high school record that falls within these recommended guidelines:

- Four units in English that include composition and literature
- Four units in Social Studies
- Four units in Mathematics (many colleges now expect applicants to have completed Mathematics study through Pre-Calculus)
- Four units in Natural Science with labs
- Two to three units in the same Foreign Language
- One half (.5) unit of Technology
- One half (.5) unit of Speech
- One to two units of Fine Arts

College Majors with Specialized Requirements
College-bound students who have a specific major in mind should attempt to satisfy the specialized requirements indicated below when building their high school course record.

Important! Colleges and universities have very specific requirements for admission. Students should check with their Academic Advisor, college catalog, or the institution’s admissions office for specific admissions requirements and recommendations.

Business Majors
- Four units of Mathematics, including Algebra II (many require Pre-Calculus)

Nursing, Dental Hygiene, Physical Therapy, and Medical Technology Majors
- Biology and Chemistry with labs
- Three units of Mathematics, including Algebra II
- Physics for physical therapy and medical technology

Mathematics, Computer Science, Engineering, and Architecture Majors
- Four units of Mathematics, including Algebra II and Trigonometry/Elementary Analysis (Pre-Calculus)
- Engineering strongly recommends one unit of AP Physics
- Architecture recommends a course in Art and/or the presentation of an Art Portfolio

Biology, Chemistry, Physics, Pre-Med, Pre-Dental, Pre-Vet, and Pre-Health Majors
- AP Biology, AP Chemistry, and AP Physics I (with labs)

Humanities, Social Sciences, and Education Majors
- Courses as outlined above for all college-bound students
- As many elective courses as are available in areas of specific interest
Pre-Law Majors
Courses as outlined above for all college-bound students (law schools do not prefer one major over another).

Fine Arts and Applied Arts Majors
- Courses as outlined on Page 8 for all college-bound students
- As many courses as are available in specific areas of interest (Art, Yearbook, Band, Choir, Theatre Arts, and Communications)

Types of Colleges with Additional Considerations
Out-of-state colleges and competitive colleges often have additional requirements or recommendations for students who are planning to apply for admission.

Public Colleges
- Some out-of-state colleges are highly competitive for entrance by out-of-state students (for example, University of Virginia, William and Mary, and University of Colorado).
- Certain test scores may be expected along with the GPA.
- Less intensive courses (extended algebra and physical science) may not be accepted by many colleges and universities.

Competitive Private Colleges
Competitive private colleges (for example, Vanderbilt, Trinity, Southern Methodist University, University of the South, Emory University, Baylor University, Austin College, University of Southern California, Washington University, Tulane/Newcomb University, and Texas Christian University) may have the following additional considerations:
- A minimum of four courses each year is preferred from five major subject areas (English, Mathematics, Science, Social Science, and Foreign Language).
- Students should be involved in extracurricular activities in several areas, with leadership experience in at least one area of interest.
- Students should take multiple AP courses.
- SAT and ACT scores must be commensurate with a student’s GPA.

Highly Competitive Private Colleges
Highly competitive private colleges (for example, Ivy League colleges, Amherst, Williams, Smith, Pomona, Wellesley, Duke, Barnard, MIT, Stanford, Georgetown, Rice, Harvard, Princeton, and U.S. Service Academies) may have the additional following considerations:
- A minimum of four courses each year is preferred from five major subject areas (English, Mathematics, Science, Social Science, and Foreign Language).
- Students should rank in the top 10 percent of their graduating class.
- Students should take multiple AP courses.
- Students should be involved in extracurricular activities in several areas, with leadership experience in at least one area of interest.
- Students should have either a combined SAT score (Critical Reading plus Math) of 1310 or higher (old SAT format), or an ACT composite score of 30 or higher (meeting the appropriate benchmarks).
Sending Transcripts to Post-Secondary Institutions

Students submitting an official transcript to a college or university, the NCAA, or a scholarship foundation should request a transcript from the Academic Advising Office through Naviance Family Connection at www.connection.naviance.com/lcs or through the transcript request page on the LCS website. A link to Naviance may also be found on the Advising U page of the LCS website.

Every effort is made to complete requests as quickly as possible. However, please allow up to one week for processing requests. Liberty submits transcripts electronically when applicable. Otherwise, a paper transcript is sent through the U.S. Postal Service. Additionally, transcripts submitted by LCS do not include PSAT, SAT, or ACT scores. Colleges must receive test scores directly from the testing institution. Students must contact College Board (SAT) and/or ACT to request submission of their scores to specific colleges.

Note: For more information about sending test scores, visit www.collegeboard.org and www.actstudent.org. For more information about the college application process, please refer to the “Timeline for College Admissions” in the Liberty Christian School Student/Parent Handbook.
Upper School Course Catalog  
Course Descriptions for Grades 9 – 12

**NEW and UPDATED Upper School Offerings**

The following courses have been added or updated to the Upper School (US) Catalog for 2017–2018:

- **Computer Science Pre-AP** – See Page 14.
- **Digital Media Production – Portfolio** – See Page 22.
- **AP European History** – See Page 42.
- **Game Design** – See Page 15.
- **Game Development** – See Page 15.
- **German IV Pre-AP** – See Page 28.
- **Intro to Business, Management, and Ethics** – See Page 15.
- **Liberty Belles** – See Page 24.
- **Mandarin IV Pre-AP** – See Page 29.
- **Personal Finance** – See Page 15.
- **Spanish IV Pre-AP** – See Page 31.
- **Speech** – See Page 16.
- **Technology, Entrepreneurship, and Communication** – See Page 16.
BIBLE

In keeping with Liberty’s Christian emphasis, students in grades 9 – 12 are required to be enrolled in a Bible class each semester. Each grade uses the LifeWay Christian School Resources "Quest" series.

The Life of Christ

Prerequisites: None  
Grade: 9  
Length: Two semesters  
Credit: 1

Using the LifeQuest curriculum, this course is designed to cover one year of studying the Old and New Testament. It focuses on helping students understand God’s redemptive plan for man, see how it unfolds in Scripture, and embrace their roles in it. Students trace the implementation of God’s plan from pre-creation to the unfolding of heaven, emphasizing the connections between biblical events and their meaning for today’s world. Summer reading is required.

Bible Survey

Prerequisites: None  
Grade: 10  
Length: Two semesters  
Credit: 1

Using the FaithQuest curriculum, this course is designed to cover one year of studying the life of Christ. Students will learn to connect with the ways in which Jesus Christ handled His own life, and the class will provide tools to help them follow His lead, live like Him, and live for Him. Summer reading is required.

Christian Doctrines

Prerequisites: None  
Grade: 11  
Length: Two semesters  
Credit: 1

Using the RealityQuest curriculum, this course focuses on the basic doctrines of the Bible in age-appropriate lessons with a strong emphasis on the application of truth in daily life. Students will examine the doctrines of God, the Bible, man, sin, salvation, and Christ. Summer reading is required.

Christian Humanities

Prerequisites: None  
Grade: 12  
Length: Two semesters  
Credit: 1

Using the FutureQuest curriculum, this course prepares students to effectively communicate the gospel and the hope that lies within them (1 Peter 3:15). They will learn how to master logical, coherent, and engaging communication skills while studying and learning about their world through the lens of God’s Word. Students will also explore ways in which a biblical worldview is extended throughout areas of stewardship, family relationships, personal ethics, defense of faith, and community responsibility. Summer reading is required, as well as the completion of a capstone project.
Spiritual Life Intern

Prerequisites: Application, interview and instructor approval
Grade: 12
Length: Two semesters
Credit: 0

This class will be made available to students who have a heart to serve the Spiritual Life Department. They will work alongside the campus pastors doing various jobs relating to all of the programs, ministries, and trips of the Spiritual Life Department. An application and interview process is required, and students will be placed in this course upon approval. Applications can be found on the Spiritual Life website.
Career and Technology

Today’s world of advanced technology and competitive lifestyles requires that schools expand opportunities for students to prepare them for college and the world of work. Career and Technology empowers individuals to manage the challenges of living and working in a diverse, global society. Career and Technology courses are designed to provide students with the opportunity to make informed occupational choices, determine educational needs and options, develop employability traits, and acquire marketable skills.

AP Computer Science A

Prerequisites: Algebra II and Computer Science Pre-AP or minimum 80 percent mastery on benchmark test. Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 10 – 12
Length: Two semesters
Credit: 1

The AP Computer Science A course is equivalent to a first semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes object-oriented and imperative problem solving and design using the Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many Computer Science 1 courses in colleges and universities. College credit, placement, or both may be granted upon successful completion of the course and mastery of the AP Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.

Computer Science Pre-AP

Prerequisites: Business and Professional Communications Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 9 – 12
Length: Two semesters
Credit: 1

Pre-AP Computer Science is an introduction to computer science and Java programming. The emphasis is on methodical problem solving. No previous computer science class is required. Algebra II is a co- or pre-requisite.

AP Computer Science Principles

Prerequisites: Business and Professional Communications Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 10 – 12
Length: Two semesters
Credit: 1

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. This class will prepare students for the end-of-year AP Exam, as well as for course assessments that explore the implications of computing innovations by creating a computer application. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
Game Design

Prerequisites: Business and Professional Communications or Technology, Entrepreneurship, and Communications
Grades: 9 – 12
Length: Fall or Spring semester
Credit: .5

Students will learn core elements of digital game design, including design processes, game logic, balancing and testing methods, and distribution methods. The course will trace the game development cycle from initial idea to completion multiple times, both in individual and group settings. Students learn basic game programming methods, including graphics, sound, and input methods.

Game Development

Prerequisites: Game Design
Grades: 9 – 12
Length: Spring semester only
Credit: .5

Students will learn basic and intermediate game programming, including graphics, sound, input, artificial intelligence, and more. Curriculum will be project based, working individually and in groups. Students will create their own games for multiple platforms.

Introduction to Business, Management, and Ethics

Prerequisites: Business and Professional Communications
Grades: 11 – 12
Length: Fall semester only
Credit: .5

In this course, students gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings in business, marketing, and finance.

Personal Finance

Prerequisites: None
Grades: 11 – 12
Length: Spring semester only
Credit: .5

The goal of Personal Finance is to help students to become financially responsible, conscientious members of society. To reach that end, this course develops students' understanding and skills in such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments, and consumer rights and responsibilities. This course will give students the tools and resources needed to make wise financial decisions. Students will analyze their personal financial decisions, evaluate the costs and benefits of their decisions, recognize their rights and responsibilities as consumers, and apply the knowledge learned to financial situations encountered later in life.
PSAT Prep Team

**Prerequisites:** Sophomores will be invited to attend this class based on their 10th grade PSAT index score. Students must have completed Algebra II by the end of 10th grade.

**Grades:** 11

**Length:** Fall semester only

**Credit:** .5

PSAT Prep Team is an intensive course that prepares students for the PSAT test, which is administered in October of their junior year. This course is by invitation only. The invitation is based on students’ previous PSAT index score on the PSAT taken in 10th grade. This rigorous course is designed to improve both verbal and quantitative test scores. An integral component of this course is mandatory attendance at a summer seminar and several Saturday sessions preceding the October PSAT administration. After the PSAT, students will prepare for the SAT and ACT tests for the remainder of the semester.

SAT/ACT Prep Class

**Prerequisites:** None

**Grades:** 11 – 12

**Length:** Fall or Spring semester

**Credit:** .5

This 11th grade preparatory class is designed to teach students test-taking strategies, provide practice in standardized testing skills, and help develop essay preparation and organization to maximize scoring on the PSAT, SAT, and ACT exams. Priority for enrollment will be given to upperclassmen. Students will be required to purchase ACT and SAT workbooks.

Speech

**Prerequisites:** None

**Grades:** 9 – 12

**Length:** Fall or Spring semester

**Credit:** .5 (Speech credit)

Speech, like any other skill, improves with preparation and practice. This class assists students in developing speaking skills in a variety of forums. These forums include interpersonal and group communication, persuasive speaking, informative speaking, and extemporaneous speaking.

Technology, Entrepreneurship, and Communication (TEC)

**Prerequisites:** Reasonable keyboarding/computer skills and confidence navigating unfamiliar software

**Grades:** 9 – 12

**Length:** Fall or Spring semester

**Credit:** .5 (Technology credit)

This TEC course replaces the former Business and Professional Communications (BPC) course. This course will challenge students to apply the major areas of technology in building and marketing a business with a blend of oral and graphic communication. Students will be challenged to think critically, design, create, communicate, and collaborate using appropriate technology to build their business. During this process, students will learn basic word processing and business office tools. This class will also give students a foundation in basic business and advertising principles including using Adobe software to do basic graphic design (Photoshop and InDesign). Students will be expected to create an innovative business, product, or idea similar to the show “Shark Tank” by the end of the course.
English

The English Department utilizes a Christian-based curriculum to instill in students a love and appreciation for quality literature, while increasing their love for and knowledge of the Lord. Various aspects of literature, including solid grammatical instruction and an emphasis on vocabulary, all unite to form the components of this discipline. The program promotes effective and creative communication, while developing critical and abstract thinking skills. Students examine the values and beliefs in literature that provide opportunities to analyze and evaluate moral ethics, incorporating godly principles as lofty goals to embrace in life. The primary goal of the English Department is to equip students with sophisticated language skills, enabling them to be successful on any university campus and be effective, confident, and well-read Christian citizens.

English I

Prerequisites: English 8
Grade: 9
Length: Two semesters
Credit: 1

This course teaches the fundamentals of literature and language skills through reading, writing, and oral communication. There is a strong emphasis on reading comprehension, including exercises with short stories and novels. Vocabulary and grammar units are utilized to improve writing in areas of structure and content. Writing skills are developed through essays and research papers using the MLA and APA formats. One novel for summer reading is also a vital part of the course.

English I Pre-AP

Prerequisites: English 8
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 9
Length: Two semesters
Credit: 1

This accelerated course teaches the fundamentals of English I and increases the ability to independently express ideas through writing and oral discussion. Students demonstrate reading comprehension via novels and short stories. Students improve writing skills through paragraph development and grammar exercises. Two research papers using the MLA and the APA formats are incorporated into the writing activities. One novel for summer reading is a vital part of the course.

English II

Prerequisites: English I
Grade: 10
Length: Two semesters
Credit: 1

This survey course of the great literature of the world incorporates the classic writings of the Greek and Roman period and extends into the era of the Renaissance and Reformation. It includes short stories and poetry of the 17th century, leading into the 20th century. In addition to analyzing literature, the course also covers spelling and vocabulary, as well as various aspects of grammar. Two research papers are required in the APA and Chicago formats for this class. Novels from the 19th and 20th centuries are also a part of this curriculum. One novel for summer reading is also an essential component of the course.
English II Pre-AP

Prerequisites: English I
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 10
Length: Two semesters
Credit: 1

This course focuses on an accelerated survey of world literature with a major emphasis on reading and writing skills and increased vocabulary. Various novels are studied in addition to plays by famous playwrights, such as Sophocles and Shakespeare. Grammatical skills and proficient writing techniques are also incorporated along with research papers utilizing the Chicago and APA formats. Two novels for summer reading are a vital part of the course.

English III

Prerequisites: English II
Grade: 11
Length: Two semesters
Credit: 1

This course focuses on representative authors of American literature from the early 1600s to the present. These works reflect the growth and changes that occurred during this time period and provide a sense of the cultural and historical differences that are present in American literature. The course reinforces grammar, spelling, and vocabulary skills. The course also focuses on composition in a variety of forums including, but not limited to, poetry, essays, oral presentations, and research papers in the APA and MLA formats. One novel for summer reading is a vital part of the course.

AP English Language and Composition

Prerequisites: English II
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 11
Length: Two semesters
Credit: 1

This college-level course is designed to enable students to develop skills in language and composition equivalent to the freshman-level class in most universities. The course prepares students to successfully master the AP Exam in English Language and Composition and to enter upper-level college courses with a firm foundation in all aspects of language and mechanics. The class centers on American literature, fiction and nonfiction, and how the works relate to the author’s time period as well as present day. The course also focuses on composition in a variety of forums including, but not limited to, poetry, essays, oral presentations, and research papers in the APA and MLA formats. The completion of three summer reading novels is an important part of the course. Students taking this course are required to take the AP English Language and Composition Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
**English IV**

*Prerequisites: English III*

*Grade: 12*

*Length: Two semesters*

*Credit: 1*

British literature is the curriculum foundation of this senior-level course. Sophisticated and effective writing techniques are emphasized throughout this year-long class, and the three major writing formats, Chicago, APA, and MLA are utilized. Increasing the students’ vocabulary and reviewing Greek and Latin roots and prefixes also contribute to the focus of the curriculum. Critical reading skills are a major focus in this class including novels, plays, short stories, and poetry that are read and analyzed throughout the year. The course is designed to equip students with the skills necessary to be successful at the collegiate level of education, while emphasizing Christ and drawing students closer to the Lord. Summer reading is an essential component of this class, helping students prepare for the self-discipline needed to excel at the collegiate level.

**AP English Literature and Composition**

*Prerequisites: English III*

*Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.*

*Grade: 12*

*Length: Two semesters*

*Credit: 1*

This college-level course is designed to develop skills in literature and composition beyond those customarily acquired in a regular senior class. The course prepares students to successfully master the English Literature and Composition AP Exam and to enter upper-level college courses with a firm foundation in all aspects of language and mechanics. The class focuses on British literature, with an emphasis on advanced, mechanically sound writing techniques and sophisticated critical thinking and analytical skills. The first semester involves an emphasis on expository and argumentative writing, while the second semester focuses on a variety of literature including prose and poetry. Various technical writing formats and novels are also incorporated into this curriculum. Summer reading is an essential component of the course. Students taking this course are required to take the AP English Literature and Composition Exam. The AP Exam fee will be billed to each student's tuition account through the LCS Business Office.
**Fine Arts**

The goal of the Fine Arts Department is to encourage the creativity, talents, ideas, skills, and imagination of each student who is interested in the visual and performing arts. Each teacher is filled with a passion to guide students to explore their God-given talents in positive ways through self-expression and the beauty of creativity. The Fine Arts Department strives to walk out the words of Ephesians 2:10, “For we are God’s handiwork, created in Christ Jesus to do good works, which God prepared in advance for us to do.”

**Acappella Choir**

*Prerequisites: Audition*
*Grades: 10 – 12*
*Length: Two semesters*
*Credit: 1*

This class is an advanced, select mixed choir for grades 10 – 12. An audition is required to attend this class. For the audition, students should be prepared to sing a song of their choice, as well as sight sing an eight-bar selection of music. Additionally, students will be required to audition for the Texas Private School Music Educators Association (TPSMEA) All-State Choir and participate in the spring musical. This class will pursue excellence in choral music both a cappella and accompanied. Concerts (Fall Concert, Christmas Concert, TAPPS Vocal Competition, and Artist’s Garden) will be held jointly with Chorale, including some collaboration between the two choirs.

**Art I**

*Prerequisites: None*
*Grades: 9 – 12*
*Length: Two semesters*
*Credit: 1*

This course emphasizes basic elements of art (line, shape/form, value, space, and color) and principles of design (proportion, repetition, balance, variety, and unity) within the disciplines of drawing, painting, printmaking, pottery, and sculpture. A wide variety of media is explored including graphite, pastels, colored pencils, watercolor, acrylic, collage, clay, and mixed media. This course is designed to enhance students’ creative and technical abilities in art. Daily assignments and longer projects are assigned to enhance students’ proficiency of self-expression. Students will be introduced to art history through projects and presentations.

**AP Art History**

*Prerequisites: AP Human Geography, World Geography Pre-AP, English Pre-AP, or AP English*
*Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.*
*Grades: 10 – 12*
*Length: Two semesters*
*Credit: 1*

This course explores topics such as the nature of art, its uses, its meanings, art making, and responses to art. Through investigation of diverse artistic traditions of cultures from prehistory to the present, the course offers an in-depth and holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms by constructing understanding of individual artworks and interconnections of art-making processes and products throughout history. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
Art Photography

Prerequisites: Art I
Grades: 10 – 12
Length: Two semesters
Credit: 1

This course focuses on students' technical development with photography while honing their aesthetic sensibilities. Students improve their skills with digital cameras and become familiar with aperture, shutter speed, depth of field, and other technical aspects of photography. Much of class time is spent developing and modifying images in Adobe Photoshop.

Band

Prerequisites: None
Grades: 9 – 12
Length: Two semesters
Credit: 1 (Fine Arts or Physical Education credit)

The Upper School Band comprises the Pep Band and Marching Band in the fall, and Concert Band and Jazz Band in the spring. The Pep Band and Marching Band, along with the Drum Line, focus on various styles of music (for example, pop, rock, and jazz) for performances at pep rallies and football games. The Concert and Jazz Bands perform at school concerts, competitions, and community concerts. The goal of this class is to provide students with a Christ-centered music education including music theory, improvisation, and the reading of sacred and secular literature. Students have the opportunity to participate in district and state competitions, community concerts, seasonal and holiday concerts, Artist's Garden, and Fine Arts Department musical productions.

Chorale

Prerequisites: Audition
Grades: 9 – 12
Length: Two semesters
Credit: 1

The Liberty Chorale is a mixed choir for grades 9 – 12. There is a Fall Concert incorporating strong show choir elements such as choreography and costumes, and the repertoire is generally more focused on popular music. The Christmas Concert focuses on the classical/sacred repertoire. The spring semester is competition season where the focus is on the TAPPS Vocal Music contest with large and small ensembles, show choirs and solos. Students will have the option of participating in the Texas Private School Music Educators Association (TPSMEA) All-Region and All-State choirs. The final event of the year is Artist’s Garden that includes all of the performing arts at Liberty. Prior experience or music reading skills are not a requirement, as these will be given and taught in class. A good attitude and a willing heart are the most important qualities needed in this class.
Dance Team

Prerequisites: Audition
Grades: 9 – 12
Length: Two semesters
Credit: 1 (Fine Arts or Physical Education credit)

The Dance Team is made up of young women dedicated to dancing as they cheer for the LCS sports teams. Dance Team increases school spirit and performs at various halftime events. A dancer is dedicated to early morning practices, after-school sporting events, competitions, clinics, and community performances, as well as performing in Artist’s Garden. The time commitment consists of daily practices, frequent weekend practices, and other after-school requirements. Above all, an LCS dancer has a personal, growing relationship with Jesus Christ. Dance Team members are selected in the spring. Character, grades, conduct, recommendations, and talent are all considered.

Digital Media Production

Prerequisites: None
Grades: 9 – 12
Length: Two semesters
Credit: 1

Digital Media Production is an introductory course giving students the opportunity to bring their ideas to life using video, audio, and graphics. Students will gain experience with the fundamentals of shooting video, video editing, lighting techniques, and audio mixing, leading up to more advanced experience in motion graphics, script writing, studio production, and multi-camera live event shooting. This entry level course will focus on giving the students a strong working knowledge of today’s digital media technologies such as terminology, safety, lighting, camera function, videography/audio technique, and industry programs/software. Projects for this class will include setting up and shooting interviews, creating short spots and sport highlights, and running multi-camera live events. Students will be involved in live productions and may be required to attend bi-weekly events each semester.

Digital Media Production – Advanced

Prerequisites: Digital Media Production
Grades: 10 – 12
Length: Two semesters
Credit: 1

Advanced Digital Media Production will enhance Level I skills by introducing more in-depth and specialized experiences in videography, editing, lighting, and computer programs/software. Projects for this class will focus on creating a portfolio and digital “brand” for student work including short film, commercial/promo, digital marketing, and event broadcasting. Students will also be involved in live productions and may be required to attend bi-weekly events each semester.

Digital Media Production Portfolio

Prerequisites: Digital Media Production - Advanced
Grades: 11 – 12
Length: Two semesters
Credit: 1

This course will enhance skills gained from “Digital Media Production – Advanced” by introducing more in-depth and specialized experiences in genres of film (including Public Service Announcements, documentaries, commercials, and short film narratives.) Students will be required to create a portfolio.
Drawing and Painting I

Prerequisites: Art I  
Grades: 9 – 12  
Length: Two semesters  
Credit: 1

This intermediate course is designed to enhance students’ abilities with two-dimensional art. Students will progress through advanced drawing concepts with a number of different media. They will then utilize their drawing skills within painting and mixed-media assignments. Each student will strive to create original artwork at a competition level.

Drawing and Painting II

Prerequisites: Drawing and Painting I  
Grades: 10 – 12  
Length: Two semesters  
Credit: 1

Students will further explore drawing and painting mediums. An emphasis will be placed on competition-level works and personal expression.

Encore

Prerequisites: Theatre I plus audition  
Grades: 10 – 12  
Length: Two semesters  
Credit: 1 (Fine Arts or Physical Education credit)

This advanced theatre course is designed for students who wish to continue studying acting as part of a theatrical troupe. Students will perform, direct, and compete in various scenes, plays, and school-wide productions. Students also explore stagecraft and technical theatre as well as directing and producing. Students must be willing to participate in productions, competitions, and many other projects. Throughout the preparation of each project, students explore acting styles, acting methods, and various areas of theatre. This class requires outside rehearsals, performances, and travelling.

Graphic Design/Digital Art

Prerequisites: Art I  
Grades: 10 – 12  
Length: Two semesters  
Credit: 1

Students will use Adobe Photoshop, Corel Painter, and other programs to create graphic design images, digital sketches, and paintings. Technical aspects of digital brushes, painting tools, and layering images will be explored. Elements of art and principles of design will be stressed as students learn to navigate within computer programs to create original artwork.
Guitar and Strings

*Prerequisites: None*  
*Grades: 9 – 12*  
*Length: Two semesters*  
*Credit: 1*

This course focuses on performance fundamentals of playing acoustic guitar, electric guitar, and bass guitar, as well as violin, viola, cello, and double bass instruments. Students will learn a variety of styles including classical and jazz, along with modern rock, pop, country, and worship. The goal of this class is to provide students with a Christ-centered music education, including music theory, improvisation, and the reading of sacred and secular literature. Students will have the opportunity to perform a series of events including regional and state-wide competitions through TAPPS and TPSMEA, as well as community, seasonal, and holiday concerts.

Liberty Belles

*Prerequisites: None*  
*Grades: 9 – 12*  
*Length: Two semesters*  
*Credit: 1*

The Liberty Belles is a girls choir for grades 9 – 12. No prior choral experience is necessary – just a great attitude! Students will participate in the Fall Concert, Christmas Concert, TAPPS, and Artist's Garden, and will have the option of participating in Texas Private School Music Educators Association (TPSMEA). Students will learn to read music and will perform in both pop and classical styles. This class is perfect for those who want to give choir a try and for those who enjoy an “all girls” ensemble.

Sculpture and Ceramics I

*Prerequisites: Art I*  
*Grades: 9 – 12*  
*Length: Two semesters*  
*Credit: 1*

This intermediate course is designed to enhance students’ abilities with three-dimensional art. Functional pieces, relief sculpture, and sculpture will be explored with a variety of media. While wheel-throwing and hand-building with clay, students will create work that is structurally sound and visually elegant. Clay principles and firing techniques will be explored in-depth. Additionally, students will explore other areas of 3D art using a variety of materials such as cardboard, wire, papier-mâché, and wood. Each student will be encouraged to create original competition-level artwork.

Sculpture and Ceramics II

*Prerequisites: Sculpture and Ceramics I*  
*Grades: 10 – 12*  
*Length: Two semesters*  
*Credit: 1*

Students will further explore other sculpture and ceramic ideas. An emphasis will be placed on competition-level works and personal techniques.
AP Studio Art 2D Design

Prerequisites: Drawing/Painting I or Art Photography, and instructor approval  
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.

Grades: 10 – 12  
Length: Two semesters  
Credit: 1

This course is designed to help students create and develop a portfolio of artwork. Students create artwork for the concentration, breadth, and quality sections of their portfolio. While creating their portfolio, students develop competition-level artwork. This course will result in the student completing a 2D design portfolio using the guidelines set by the AP College Board. Students taking this course are required to take the AP Studio Art 2D Design Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.

AP Studio Art 3D Design

Prerequisites: Sculpture/Ceramics I and instructor approval  
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.

Grades: 10 – 12  
Length: Two semesters  
Credit: 1

Students will explore three-dimensional forms with a variety of materials, such as clay, wood, plaster, papier-mâché, found objects, and fabric. These raw materials will be used in creating expressive sculptural designs that incorporate form and space, and relate the three-dimensional form to its environment. Students will produce several projects of high quality, college-level artwork. These projects will begin with exploring the elements and principles of design, and will involve each student developing an individual line of enquiry, experimentation, and risk-taking. Summer work is highly recommended.

This course will result in the student completing a 3D design portfolio using the guidelines set by the AP College Board. Students taking this course are required to take the AP Studio Art 3D Design Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.

AP Studio Art Drawing

Prerequisites: Drawing/Painting I, and instructor approval  
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.

Grades: 10 – 12  
Length: Two semesters  
Credit: 1

In this course, students will address a very broad interpretation of drawing issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, and the illusion of depth and mark-making are drawing topics that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. This course will result in the student completing a drawing portfolio using the guidelines set by the AP College Board. Students taking this course are required to take the AP Studio Art Drawing Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
Theatre I

Prerequisites: None
Grades: 9 – 12
Length: Two semesters
Credit: 1

This course introduces students to the principles of acting through studying various acting styles and notable teachers. Students participate in workshops that explore improvisation, competitive drama, and various scene work including monologues, theatre history, duet acting, and more.

Worship Culture

Prerequisites: Audition and interviews
Grades: 10 – 12
Length: Two semesters
Credit: 1

This course introduces students to leading the body of Christ in worship through the art of music. Students will worship together and learn more about instruments, singing, harmonizing, and song writing. Students will also participate in the Christmas Concert and TAPPS.

Yearbook

Prerequisites: none
Grades: 10 – 12
Length: Two semesters
Credit: 1

This class introduces first-time yearbook students to journalism, graphic design, and photography. Students who have taken the class before will be expected to delve deeper into each of these areas and have a higher level of productivity. The class will use Jostens Yearbook Avenue software and Canon 40D, 50D, 60D, and D7 cameras. It requires time management and self-motivation. Photoshop and/or art photography experience is a tremendous benefit but not required.
FOREIGN LANGUAGE

Christians are called to be salt and light in this world. In humility, students gain and learn from other people groups and their cultures. The prayer of the Foreign Language Department is to develop in students an interest, an enthusiasm, and a love for people in other parts of the world through the study of their language and culture.

“If you talk to a man in a language he understands, that goes to his head. If you talk to him in his language that goes to his heart.” – Nelson Mandela

German I

Prerequisites: None
Grades: 9 – 12
Length: Two semesters
Credit: 1

German I is a fun, interactive course designed to introduce students to the German language and culture. Emphasis will be on the acquisition of four skills: listening, speaking, reading and basic writing. The primary goal is to give students the ability to carry on a simple conversation in German, including asking and answering questions. Students will also learn how to say a basic prayer in German, share basic information about German songs and singers, and read and discuss simple novels in German. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

German II Pre-AP

Prerequisites: German I
Grades: 9 – 12
Length: Two semesters
Credit: 1

German II Pre-AP continues the study of German language and culture. Through the study of relevant, real-world, theme-based units, the aim of this class is to continue the refinement of four elements of language study: listening, speaking, reading, and writing. In this course, students will expand their conversational vocabulary. They will listen to and study traditional and pop German music, watch commercials, and read short novels in German. Students will also learn to write and recite their own prayers in German. More advanced grammar concepts will be emphasized in each unit of study. This class will be conducted primarily in German and students are expected to increase in their oral and written proficiency. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

German III Pre-AP

Prerequisites: German II Pre-AP
Grades: 11 – 12
Length: Two semesters
Credit: 1

German III Pre-AP builds on skills acquired in German II Pre-AP. Students will develop more advanced skills in speaking, listening, reading, and writing – with an emphasis on the ability to communicate in the past, present, and future tenses. The content of this course will be accelerated and expanded to include more vocabulary and grammar. Students will study the culture, history, geography, and literature of Germany. The class will be conducted in German, and students are expected to respond in German. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
**German IV Pre-AP**

*Prerequisites: German III Pre-AP  
Grades: 12  
Length: Two semesters  
Credit: 1*

The majority of this course is taught in German, as students explore the cultures of German-speaking people in a way that connects meaningfully to their lives. Units focus on health issues, food and culture, mission field work, novels and German film. The focus is on interpersonal and listening skills for communication, although students will continue to develop writing and reading skills as well. Students wishing to take the German AP Exam at the end of the course will be provided with AP resources to study independently. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

**Mandarin I**

*Prerequisites: Approval from academic advisor  
Grades: 9 – 12  
Length: Two semesters  
Credit: 1*

This introductory course in Chinese language is designed for students who have no or little prior experience in the language. Each unit conveys a specific communication theme, including new words lists, language notes with guided practice in pronunciation, and simplified character writing. Throughout the course, students will develop their listening, speaking, reading, and writing, with emphasis on oral communication skills. Students will also learn how to say a basic prayer in Chinese, share basic information, and learn Chinese songs as a fun way to acquire the Chinese language. A summer review assignment will be required.

*Note: Students considering taking Mandarin need to be aware that the Foreign Service Institute ranks Mandarin as a Category V language, the highest ranking of difficulty.*

**Mandarin II Pre-AP**

*Prerequisites: Mandarin I  
Grades: 10 – 12  
Length: Two semesters  
Credit: 1*

Mandarin II is a continuation of the study of the Chinese language and Chinese-speaking cultures, focusing on building vocabulary and readings of culturally relevant authentic materials. Students read a simple novel in Chinese. Emphasis is on developing oral, listening, reading, and writing skills to acquire proficiency in Chinese. Students will also learn to write and recite their own prayers in Chinese. A summer review assignment will be required.
Mandarin III Pre-AP

Prerequisites: Mandarin II Pre-AP
Grades: 11 – 12
Length: Two semesters
Credit: 1

This course includes the review and application of high frequency Chinese words and advanced grammar concepts. Students will read an intermediate level novel in Chinese. Cultural connections and biblical truths are interwoven throughout the course. This class will be conducted primarily in Chinese, and students are expected to increase their oral and written proficiency because of the rigor of this class. Students will also develop their own prayers, share prayer requests, and pray in Chinese. A summer review assignment will be required.

Mandarin IV Pre-AP

Prerequisites: Mandarin III Pre-AP
Grades: 12
Length: Two semesters
Credit: 1

Mandarin IV Pre-AP aims at laying a solid foundation in language form and accuracy. A task-based teaching approach is implemented to intensify students’ motivation and heighten their awareness of the learning objectives in each unit. This class will be conducted primarily in Chinese, and students are expected to increase their oral and written proficiency because of the rigor of this class. Units focus on the computer world, entertainment, lifestyles, jobs, housing, and Chinese festivities. Students will also develop their own prayers, share prayer requests, and pray in Chinese. A summer review assignment will be required.

AP Chinese Language and Culture

Prerequisites: Mandarin III Pre-AP
Grades: 11 – 12
Length: Two semesters
Credit: 1

The AP Chinese Language and Culture course provides students with various opportunities to improve their proficiency in listening, speaking, reading, and writing to prepare for the AP Chinese Language and Culture Exam. This course will deepen students’ immersion into the language and culture of the Chinese-speaking world. Because language and culture are inseparable, knowledge of Chinese culture (both contemporary and historical) is an integral part of the course. Students hone their language skills throughout the course by developing the necessary knowledge of the Chinese language, including pronunciation, vocabulary, idiomatic expressions, grammatical structures, and written characters. This course also serves as an introduction to Chinese proverbs and fables, Bible stories, and the history and cultures of the Chinese-speaking world. Students will be required to write short compositions, prepare oral presentations, and develop Chinese conversational and listening skills. This course will be conducted primarily in Mandarin using authentic sources to support the linguistic and cultural goals of the course. Summer assignments are a vital part of this course. Students taking this course are required to take the AP Chinese Language and Culture Exam. The AP Exam fee will be billed to each student's tuition account through the LCS Business Office.
Spanish I

*Prerequisites:* None
*Grades:* 9 – 12
*Length:* Two semesters
*Credit:* 1

Spanish I is a fun, interactive course designed to introduce students to the Spanish language and culture. Emphasis will be on the acquisition of four skills: listening, speaking, reading and basic writing. The primary goal is to give students the ability to carry on a simple conversation in Spanish, including asking and answering questions. Students will also learn how to say a basic prayer in Spanish, share basic information about Latino songs and singers, and read and discuss simple novels in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Spanish II

*Prerequisites:* Spanish I
*Grades:* 9 – 12
*Length:* Two semesters
*Credit:* 1

Spanish II is a continuation of the study of the Spanish language and culture. Emphasis will be on the acquisition of four skills: listening, speaking, reading and basic writing. The primary goal is to expand students’ ability to carry on a conversation in Spanish, including asking and answering questions. Students will also learn how to expand a basic prayer in Spanish, share information about Latino songs and singers, and read and discuss simple novels in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Spanish II Pre-AP

*Prerequisites:* Spanish I
*Additional prerequisites:* See Page 3 for more information about Pre-AP/AP requirements.
*Grades:* 9 – 12
*Length:* Two semesters
*Credit:* 1

Spanish II Pre-AP continues the study of Spanish language and culture. Through the study of relevant, real-world, theme-based units, the aim of this class is to continue the refinement of four elements of language study: listening, speaking, reading, and writing. In this course, students will expand their conversational vocabulary. They will listen to and study traditional and pop Latino music, watch commercials, and read short novels in Spanish. Students will also learn to write and recite their own prayers in Spanish. More advanced grammar concepts will be emphasized in each unit of study. This class will be conducted primarily in Spanish, and students are expected to increase in their oral and written proficiency at a faster pace than the regular Spanish II class. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
Spanish III

Prerequisites: Spanish II
Grades: 10 – 12
Length: Two semesters
Credit: 1

Spanish III includes the review and expansion of significant vocabulary and grammatical structures. Students will listen to and study traditional and pop Latino music, watch commercials, and read two intermediate level novels in Spanish. More advanced grammar concepts will be emphasized in each unit of study. This class will be conducted primarily in Spanish, and students are expected to increase in their oral and written proficiency because of the rigor of this upper level class. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Spanish III Pre-AP

Prerequisites: Spanish III
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 10 – 12
Length: Two semesters
Credit: 1

Spanish III Pre-AP builds on skills acquired in Spanish II Pre-AP. Students will develop more advanced skills in speaking, listening, reading, and writing – with an emphasis on the ability to communicate in the past, present, and future tenses. The content of this course will be accelerated and expanded to include more vocabulary and grammar than regular Spanish III. Students will study the culture, history, geography, and literature of Spanish-speaking countries. The class will be conducted in Spanish, and students are expected to respond in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).

Spanish IV Pre-AP

Prerequisites: Spanish III Pre-AP
Grades: 11 – 12
Length: Two semesters
Credit: 1

The majority of this course is taught in Spanish, as students explore the cultures of Spanish-speaking people in a way that connects meaningfully to their lives. Units focus on health issues, food and culture, mission field work, novels and Spanish film. The focus is on interpersonal and listening skills for communication, although students will continue to develop writing and reading skills as well. Students wishing to take the Spanish AP Exam at the end of the course will be provided with AP resources to study independently. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages).
AP Spanish Language and Culture

Prerequisites: Spanish III plus instructor approval
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 11 - 12
Length: Two semesters
Credit: 1

This course focuses on Spanish language proficiency through mastery of fluency in speaking, writing, reading, and listening. Students will develop language skills and insight that can be applied to various real world scenarios and disciplines. Students taking this course are required to take the AP Spanish Language and Culture Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
MATHMATICS

The Mathematics Department bases its vision of mathematical proficiency on the school’s role as a college preparatory school. The department strives to promote mathematical literacy and equip students with the mathematical skills needed to succeed at the university level, meet the challenge of tomorrow’s technology, and compete in the workforce.

Algebra I

Prerequisites: Pre-Algebra
Grade: 9
Length: Two semesters
Credit: 1

This course is the first of a two-year study of algebra that is designed primarily for 8th grade students. Algebra I emphasizes rules, symbols, and the laws of arithmetic as applied to algebraic structure. Students obtain analytical and critical thinking skills that will be the basis for future math classes.

Algebra II

Prerequisites: Algebra I and Geometry
Grades: 10 – 11
Length: Two semesters
Credit: 1

In this second year of a two-year study of algebra, Algebra II encourages mastery of concepts learned in Algebra I and introduces students to new algebraic concepts and skills necessary to develop proficiency in logical thinking and problem solving skills.

Algebra II Pre-AP

Prerequisites: Algebra I and Geometry
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 10 – 11
Length: Two semesters
Credit: 1

Algebra II Pre-AP encourages mastery of concepts learned in Algebra I and introduces students to new algebraic concepts and skills necessary to develop proficiency in logical thinking and problem solving skills. Compared to the standard Algebra II course, the Pre-AP course probes topics more deeply, investigates some additional topics, and moves at a faster pace.

Business Calculus

Prerequisites: Pre-Calculus
Grades: 11 – 12
Length: Two semesters
Credit: 1

This course is designed for college-bound students who have completed Pre-Calculus. Those topics include limits and continuity, the Fundamental Theorem of Calculus, definition of the derivative of a function and techniques of differentiation, applications of the derivative to maximizing or minimizing a function, the chain rule, mean value theorem, and rate of change problems, curve sketching, definite and indefinite integration of algebraic, trigonometric, and transcendental functions, with an application to calculation of areas. A graphing calculator will be used on a regular basis.
AP Calculus AB

Prerequisites: Pre-Calculus Pre-AP
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 11 – 12
Length: Two semesters
Credit: 1

This course includes the topics of an entry-level college calculus course: limits, concavity, functions, derivatives and their applications, Riemann sums, integrals and their applications, Euler’s method, l’Hopital’s rule, and slope fields. This course is valuable for any student planning to pursue college studies in the sciences, mathematics, or business. Students taking this course are required to take the AP Calculus AB Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.

College Algebra

Prerequisites: Pre-Calculus
Grades: 12
Length: Two semesters
Credit: 1

This fundamental course includes solutions of equations and inequalities, systems of equations, algebraic functions, polynomial functions, rational functions, exponential and logarithmic functions, matrices, and conic sections. Additional topics such as sequences, series, and probability may be included.

Foundations of College Algebra

Prerequisites: Algebra II
Grades: 11 – 12
Length: Two semesters
Credit: 1

Students will extend their mathematical understanding beyond the Algebra II level through further study of functions, inverses, transformations, and compositions. Applications using data, regression models, sequences and series, probability, and matrices will also be studied. This course is designed to be a bridge for students between Algebra II and college level math.

Geometry

Prerequisites: Algebra I
Grades: 9 – 10
Length: Two semesters
Credit: 1

This course is ordinarily taken in the 9th grade. The primary focus of the course is Euclidean (plane) geometry with formal geometric proof, although there are some solid geometry concepts introduced late in the course. The course also teaches orderly logical thinking and result writing.
Geometry Pre-AP

Prerequisites: Algebra I
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 9 – 10
Length: Two semesters
Credit: 1

This course is designed for students who excel in math and is ordinarily taken in the 9th grade. This course covers topics in greater depth, progresses at a faster pace, and covers more topics than regular Geometry.

Pre-Calculus

Prerequisites: Algebra I, Geometry, and Algebra II
Grades: 11 – 12
Length: Two semesters
Credit: 1

The scope of the course includes trigonometry, identities, functions, graphing, conic sections, and matrices. This course is recommended for students interested in pursuing university studies in the sciences, mathematics, or business.

Pre-Calculus Pre-AP

Prerequisites: Algebra I, Geometry, and Algebra II
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 11 – 12
Length: Two semesters
Credit: 1

The scope of the course includes trigonometry, identities, functions, graphing, sequences, series, conic sections, matrices, and an introduction to calculus. This course is recommended for students interested in pursuing university studies in the sciences, mathematics, or business. The Pre-AP course probes some topics in greater depth, investigates some additional topics, and moves at a faster pace than regular Pre-Calculus.

AP Statistics

Prerequisites: Pre-Calculus
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 12
Length: Two semesters
Credit: 1

This course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students taking this course are required to take the AP Statistics Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
Physical Education

Enhancing the education of students through physical activity is an important step to attain positive health and mental fitness. Striving for excellence and creating strenuous adverse situations helps prepare the whole student for the challenges and obstacles that lie ahead and gives them the confidence to meet adversity with success. 1 Timothy 4:9 “For physical training is of some value, but godliness has value for all things, holding promise for both the present life and the life to come.”

Athletics

*Prerequisites: Completed medical physical*
*Grades: 9 – 12*
*Length: Two semesters*
*Credit: 1*

Athletics is held during 8th period. This course is designed for students who wish to participate in at least one of the sports in the athletic program. Sports available for boys include football, basketball, baseball, soccer, wrestling, swimming, tennis, golf, track and field, and cross-country. Sports available for girls include volleyball, basketball, softball, soccer, swimming, tennis, golf, track and field, and cross-country. (Cheerleading is also included for girls, but it is listed as a separate course.) Students enrolled in athletics are required to stay in athletics all year. *(Please refer to the Student/Parent Handbook for specific Physical Education Department Guidelines.)*

Athletics – Off-Campus

*Prerequisites: Application and approval process*
*Grades: 9 – 12*
*Length: Two semesters*
*Credit: 1*

This course is designed for those athletes who participate in sports that LCS does not offer. If athletes are in off-campus athletics, they may not participate in a sport in the LCS Athletic Department or transfer into athletics once the year has begun. Once students enter into off-campus athletics, they may not re-enter into athletics. To be considered, the activity must be considered an Olympic medal sport and must not be offered currently. An application process is required, and students will be placed in this course upon approval. Applications may be found on the Athletic Resources page of the Liberty website.

Cheerleading – Varsity/Competition

*Prerequisites: Standing back handspring, tryout*
*Grades: 9 – 12*
*Length: Two semesters*
*Credit: 1*

The Varsity Cheerleading Squad comprises young women dedicated to cheering for LCS varsity sports teams and increasing school spirit. Commitments include attending tumble classes, afternoon practices, and occasional weekend practices. LCS Varsity Cheerleaders are also responsible for organizing locker decorations, participating in pep rallies, and managing youth camps and fundraisers. Above all, an LCS cheerleader has a personal growing relationship with Jesus Christ. This squad will also participate in two to three competitions a year, including the TAPPS State Cheer Competition. Cheer tryouts are held each year in the spring.
P.E. Athletics

Prerequisites: None
Grades: 9 – 12
Length: Two semesters
Credit: 1

This course is designed for students who wish to fulfill their athletic credit for the requirements to graduate. These students will not be required to change into athletic clothing and cannot participate in a sport through the athletic program.
Science

The mission of the Science Department is to educate and challenge students to think creatively, logically, and analytically and to stimulate interest in the sciences that provide a solid foundation for the next level of education. Students examine God’s creation and learn from teachers who provide a safe environment, hands-on experiences, and emphasize a working understanding between science and theology that leads toward practical growth in students’ relationship with God.

Anatomy and Physiology

Prerequisites: Biology and Chemistry
Grades: 11 – 12
Length: Two semesters
Credit: 1

This fast-paced course is designed to prepare students for continued studies in the medical and health professions. Using a college text, students will study all major body systems. Weekly labs will involve dissections and physiological activities.

Applied Engineering

Prerequisite: Physics or concurrent
Grades: 11 – 12
Length: Two semesters
Credit: 1

Students have the opportunity to employ the engineering design process through design projects such as renewable energy, robotics, aerospace studies, rocketry, and solar car. Students learn in-depth, computer-aided drawing and design, plus systems engineering that include mechanical, electrical, and fluid systems. This class is a rigorous course of study that gives students who are pursuing a degree in engineering the skills and knowledge to be successful in college.

Biology

Prerequisite: Algebra I or concurrent
Grade: 9
Length: Two semesters
Credit: 1

Biology is the study of the many different aspects of living organisms. Topics of study include, but are not limited to, molecular and cellular biology, genetics, genetic engineering, evolution and creation, invertebrate and vertebrate anatomy and physiology, plants, microorganisms, ecology, and taxonomy. Emphasis is placed on comprehension as well as application of biological principles. Lab exercises are conducted every other week.

Biology Pre-AP

Co-requisite: Algebra I
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 9
Length: Two semesters
Credit: 1

This course is for those students desiring a more comprehensive and detailed study of the topics listed under the Biology course. This course also prepares students for the Biology AP course.
AP Biology

Prerequisites: Biology and Chemistry
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 11 – 12
Length: Two semesters
Credit: 1

AP Biology is designed to be the equivalent of a freshman college biology course. The following topics are examined in detail: biochemistry, cellular processes, energy, photosynthesis, cellular respiration, heredity, modern genetics, creation and evolution, zoology and botany, and ecology. Lab exercises are included with each topic. A summer review assignment will be required. Students taking this course are required to take the AP Biology Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office. College credit, placement, or both are possible upon successful completion of the course and mastery of the AP Exam.

Chemistry

Prerequisites: Algebra I
Grade: 10
Length: Two semesters
Credit: 1

Chemistry is an introductory study of the composition of and changes in matter. Topics include, but are not limited to, atomic theory, stoichiometry, thermodynamics, molecular structure, solutions, quantum theory, acids and bases, and introductory organic chemistry. Emphasis is placed on problem solving, application, and laboratory technique as well as deriving and testing established chemical laws. Lab exercises are conducted every other week.

Chemistry Pre-AP

Prerequisites: Algebra I
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 10
Length: Two semesters
Credit: 1

Chemistry Pre-AP is a more comprehensive look at topics described for chemistry with emphasis on mathematical problem solving and laboratory technique.

AP Chemistry

Prerequisites: Chemistry and Algebra I
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 11 – 12
Length: Two semesters
Credit: 1

AP Chemistry is designed by the College Board to be the equivalent of a second semester college chemistry course. The course includes an expanded study of the topics covered in first-year chemistry as well as several advanced topics, such as molecular orbital theory, chemical equilibria, kinetics, electrochemistry, thermodynamics, and spectroscopy. Emphasis is on a deeper understanding of the major ideas of chemistry through qualitative and quantitative analysis of concepts and data. On average, a lab will be held once a week. A summer review assignment is a vital part of the course. Students taking this course are required to take the AP Chemistry Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
Earth and Space Science

Prerequisites: Biology and Chemistry
Grades: 11 – 12
Length: Two semesters
Credit: 1

Earth and Space Science is the study of the physical universe. The course includes the study of four specific sub-sciences: astronomy, meteorology, geology, and oceanography. This course will strengthen critical thinking skills through projects, presentations, group work and one field trip to a local military weather forecasting station. Earth and Space Science is not a math-intensive elective science, but will include several labs during both semesters.

Forensic Science

Prerequisites: Biology and Chemistry
Grades: 11 – 12
Length: Two semesters
Credit: 1

Forensic Science is an interdisciplinary science derived from all areas of science, including psychology, law, and sociology. This laboratory course is designed to introduce students to some of the basic fields of study that play roles in forensic science. Students study the history of forensic science and major forensic disciplines such as fingerprinting, entomology, anthropology, DNA analysis, serology, trace evidence, and pathology. The course further develops the students’ communication and critical thinking skills through the use of scientific method and evidence interpretation.

Physics

Prerequisites: Biology, Chemistry, Geometry, and Algebra II
Grades: 11 – 12
Length: Two semesters
Credit: 1

Physics covers the basics of mechanics, light, sound, magnetism, and electricity, yet does not rely as heavily on the mathematical equations as does AP Physics I. Lab work is included in the course. Hands-on learning and projects are incorporated as students learn how things work and discover the creativity and order present in the world God created.

AP Physics I

Prerequisites: Algebra II, Biology, and Chemistry
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Co-requisites: Pre-Calculus or higher math
Grades: 11 – 12
Length: Two semesters
Credit: 1

AP Physics I is an algebra-based, introductory college-level physics course that explores topics such as the following: Newtonian mechanics; work, energy, and power; mechanical waves and sound; and introductory simple circuits. The course includes inquiry-based learning that helps students develop scientific critical thinking and reasoning skills. Students taking this course are required to take the AP Physics I Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office. College credit, placement, or both are possible upon successful completion of the course and mastery of the AP Exam.
AP Physics C: Mechanics

Prerequisites: Physics and instructor approval
Co-requisites: Business Calculus or AP Calculus
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.

Grade: 12
Length: Two semesters
Credit: 1

The goal of this course is to provide an excellent college-level, calculus-based physics education. Course content and learning objectives are designed by the College Board with the purpose of preparing students for success at the collegiate level and the AP Physics C: Mechanics Exam. The major areas of study within Newtonian Mechanics include kinematics; Newton’s laws of motion; work, energy, and power; system of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Upon completion of this course, students should have a strong conceptual understanding of physics and well-developed skills for critical thinking, problem solving, and application of the fundamental principles to a variety of situations. Students taking this course are required to take the AP Physics C: Mechanics Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
Social Studies

The Social Studies Department is dedicated to helping students become well-informed, intelligent citizens who see a culturally diverse world through the lens of Christianity. Courses offered are designed to help students develop reasoning and critical thinking skills, to understand God’s plan as it is revealed in history, and to respect the United States and the value of democracy. Coursework required in Upper School is built in four stages: how mankind uses the earth that was created for him, the history of man from Adam to the present, the history of the United States, and the government and economic system as it exists today. More advanced coursework is offered for students who wish to further their studies in this field in preparation for college and beyond.

AP European History

Prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 11 – 12
Length: Spring semester only
Credit: .5

This course will study European history since 1450. It will introduce students to cultural, economic, political, and social developments that played a fundamental role in shaping the world. In addition to providing a basic narrative of events and movements, this course will develop the students’ understanding of some of the principal themes in modern European history, enhance their ability to analyze historical evidence and historical interpretation, and expand on their ability to express historical understanding in writing. Summer assignments are vital to this course. Students taking this course are required to take the AP European History Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.

AP Human Geography

Prerequisites: 9th grade students must have maintained a minimum average of 90 percent in 8th grade US History or 85 percent in 8th grade US History Pre-AP and a minimum average of 90 percent in English 8 or 85 percent in English 8 Pre-AP. 10th – 12th grade students must have maintained a minimum average of 90 percent in the previous year’s history course or a minimum average of 85 percent in the previous year’s history Pre-AP/AP course.

Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 9 – 12
Length: Two semesters
Credit: 1

AP Human Geography is an advanced, college-level course that will prepare students to take the Advanced Placement Human Geography Exam. It will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the earth’s surface. Students will learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They will also learn about the methods and tools geographers use in their research and applications. A summer assignment is required as part of this course. Students taking this course are required to take the AP Human Geography Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
AP Macroeconomics

Prerequisites: U.S. History
Grade: 12
Length: Fall or Spring semester
Credit: .5

AP Macroeconomics is an advanced, college-level course that will prepare students to take the Advanced Placement Macroeconomics Exam. This course is intended to give students a thorough understanding of economics as it applies to the economy as a whole. Lessons include analysis of national income and its components, price determination, economic performance measures, inflation and unemployment, money and banking, stabilization policies, and the United States and world trade. The course examines economic aspects of fiscal and monetary policy making from a Christian perspective. The AP Macroeconomics course includes extensive reading accompanied by analytical writing and a group presentation. AP format testing is administered throughout the semester to prepare students to earn college credit through the AP Exam in Macroeconomics. The AP Exam will be optional. If a student elects not to take the AP Exam by a specified date at mid-semester, the transcript will be changed to reflect a regular Macroeconomics course, and extra points will not be added to GPA calculations. If a student elects to take the AP Exam, the fee will be billed to each student’s tuition account through the LCS Business Office.

AP Microeconomics

Prerequisites: None
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grades: 11 – 12
Length: Spring semester only
Credit: .5

This course will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government in promoting greater efficiency and equity in the economy. Students taking this course are required to take the AP Microeconomics Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.

United States Government

Prerequisites: World Geography, World History, and U.S. History
Grade: 12
Length: Fall or Spring semester
Credit: .5

This course includes the detailed study of the foundations of U.S. government, the Constitution, the three branches of government, and the political party system. The objective of this course is to prepare students for their role as active and knowledgeable participants in the democratic process. Because the U.S. has been blessed with economic, political, and religious freedom, Christians have the responsibility of protecting and preserving these freedoms. A thorough knowledge of how the U.S. government works is vital to fulfilling this responsibility.
AP United States Government and Politics

Prerequisites: U.S. History
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 12
Length: Fall or Spring semester
Credit: .5

AP United States Government and Politics is an advanced, college-level course that will prepare students to take the Advanced Placement United States Government and Politics Exam. This course follows the curriculum requirements for the "AP United States Government and Politics Course Description" published by the College Board, along with LCS guidelines for a United States government survey course. This course gives students an analytical perspective on government and politics in the United States. It includes the study of American government institutions, political beliefs and behaviors, political parties, interest groups, mass media, public policy, and civil rights and liberties. It is a challenging course requiring extensive reading, critical analysis, and a knowledge of national and international events. Developing a Christian worldview that will enable students to be citizens who are knowledgeable, informed, and involved is the ultimate goal for the AP U.S. Government course. Summer reading is required. Students taking this course are required to take the AP United States Government and Politics Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.

United States History

Prerequisites: World Geography and World History
Grade: 11
Length: Two semesters
Credit: 1

This course includes the study of people, events, and issues from the Reconstruction Period after the Civil War to the present. This survey includes the growth and development of the distinct and unique American culture as the U.S. grew into a world power. The chronicle of successes and failures of previous generations will serve as a guide for students in their own generational setting. This course also focuses on the religious topics of the Great Awakenings and missionary and evangelistic expressions in U.S. history. Students will apply a biblical stance, aligned with God’s will, to United States history and their own lives.

AP United States History

Prerequisites: World Geography and World History
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 11
Length: Two semesters
Credit: 1

AP United States History is an advanced, college-level course that prepares students to take the Advanced Placement United States History Exam. This course is accelerated and takes a more targeted, detailed, and comprehensive survey of topics in United States history. It covers the American Civil War to the present and includes specific training in the document-based essay format on the AP History Exam, while stressing primary sources and students’ analytical abilities. Mastery of the material in this course serves as a firm foundation for upper level college courses. Summer reading is a vital part of the course. Students taking this course are required to take the AP United States History Exam. The AP Exam fee will be billed to each student’s tuition account through the LCS Business Office.
World Geography

Prerequisites: None
Grade: 9
Length: Two semesters
Credit: 1

World Geography is the study of all the countries of the world. Major geographical features, people groups, religions, and current events for each country will be covered. Map studies involving not only the nations of the world but the geographical, historical, and political situations that caused present boundaries will also be emphasized.

World Geography Pre-AP

Prerequisites: None
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 9
Length: Two semesters
Credit: 1

The Pre-AP section of World Geography covers the same content as World Geography at a more accelerated pace. More in-depth reading and outside research add to the overall class experience. This course is also extended through additional writing assignments, including short essays and research papers. Map work will be more detailed in this class, and students will memorize most capitals of the world’s countries. Summer reading is required.

World History

Prerequisites: World Geography
Grade: 10
Length: Two semesters
Credit: 1

This course is a survey of history from creation to modern day, demonstrating that God is a constant force throughout history. Students will develop higher-level thinking skills to analyze historical and geographical contexts, and to think critically about the way forces and events in history have influenced the modern world. There will be one book read each semester to supplement the textbook and one major project each semester.

AP World History

Prerequisites: World Geography
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 10
Length: Two semesters
Credit: 1

AP World History is an advanced, college-level course that prepares students for taking the World History Advanced Placement Exam. This course has a chronological framework beginning with the foundations of history and continuing to the present. Truly global in nature, the course includes studies of major political, social, economic, and artistic movements found in societies in Asia, Europe, Africa, and North and South America. Extensive reading and composition prepare students for the rigor of the Advanced Placement Exam. A summer assignment is required as part of this course. Students taking this course are required to take the AP World History Exam. The AP Exam fee will be billed to each student's tuition account through the LCS Business Office.
Middle School Course Catalog

Course Descriptions for Grades 6 – 8

**New and Updated Middle School Offerings**

The following courses have been added or updated to the Middle School (MS) Catalog for 2017–2018:

- **6th Grade Theatre** – See Page 51.
- **Athletics** – See Page 56.
- **Beginning German** – See Page 53.
- **Beginning Mandarin** – See Page 53.
- **Beginning Spanish** – See Page 53.
- **Concert Choir** – See Page 52.
- **Creative Coding** – See Page 48.
- **Digital Life Skills** – See Page 48.
- **Intro to Broadcasting and Journalism** – See Page 48.
- **Pathways to 21st Century Careers** – See Page 48.
- **Physical Education** – See Page 56.
Bible

In keeping with Liberty’s Christian emphasis, students in grades 6 – 8 are required to be enrolled in a Bible class each semester.

Bible 6

Prerequisite: None
Grade: 6

Using the DecisionQuest curriculum, this course is designed to ground 6th grade students in the basic doctrines of God’s Word. The purpose of this course is to lay the foundation for basic theology regarding God, the Bible, the Holy Spirit, Jesus, and man.

Bible 7

Prerequisite: None
Grade: 7


Bible 8

Prerequisite: None
Grade: 8

Using Andrew Hill’s textbook, A Survey of the Old Testament, this course provides students with a historical perspective of the Old Testament. The focus for this course is not primarily the story of the Old Testament but rather on the plan of redemption as it unfolds throughout the Old Testament.
**Career and Technology**

**Digital Life Skills**

*Prerequisite: None  
Grade: 6*

The Digital Life Skills course is a required course for all 6th grade students. Students will gain the basic technology skills necessary to launch them into a successful career. This course will allow students to set up responsible practices for organization and efficiency within technology and learning. Students will learn the importance of digital citizenship in the world of technology and in their lives. Digital citizens connect and collaborate in new ways that need guidance for safe use in the classroom and in life.

**Creative Coding**

*Prerequisites: None  
Grades: 6 – 8  
Length: 6th grade – full year, 7th–8th grade – one semester*

This fun and creative computer science and programming class is one semester and open to all Middle School. Students will learn the excitement of becoming creators of technology and not just consumers, while using text and block-based programming to develop scripts, animations, digital stories, video games, and simple cell phone applications. The course will include basic programming/coding while mastering the use of variables, symbols, data structures, syntax, algorithms, and tools. In addition to HTML/CSS and popular visual programming apps like Scratch and Hopscotch, coding languages covered will include JavaScript, Ruby, Swift, and more. Students will also be introduced to the many free and instructional coding and programming resources available on the internet.

**Introduction to Broadcasting and Journalism**

*Prerequisites: None  
Grades: 7 – 8  
Length: One semester*

This class will introduce students to broadcasting and journalism through creating, filming, and producing a weekly news show. This class will contain basic skills in all areas of broadcasting. Students will be able to explore each part of the process from on-air talent to behind-the-scenes filming and editing. Students will work together to complete their weekly newscast responsibilities to produce “The Warrior News.”

**Pathways to 21st Century Careers**

*Prerequisites: None  
Grades: 7 – 8  
Length: One semester*

Engineering, computer science, healthcare, teaching, finance, and marketing are predicted to be some of the best careers of the future. In this exciting class, students will be informed and prepared while learning about these and other careers of the modern workplace, including existing and emerging technologies that will be an integral part of future jobs. Through this interactive career study, students will hear from business and industry leaders while exploring the technology, skills and attitudes that lead to personal and professional success. Students will be asked to do an in-depth case study of the education, training, and technology skills needed for potential careers. This class will also emphasize lifelong learning, leadership, global careers, collaboration, and entrepreneurship through an innovative business project. There are many pathways that a student may take for future success. They can start in this class to be prepared!
English

English 6

Prerequisite: None
Grade: 6

This class is designed to challenge students to comprehend and analyze literary texts, as well as develop critical thinking skills through creative expression. Students read from a variety of literary genres, such as short stories, novels, and poetry. Elements of literature such as characterization, plot, structure, theme, context clues, and vocabulary are explored. Writing assignments provide a study of grammar, mechanics, usage, and sentence and paragraph structure, resulting in formal essay format. Oral presentations, research, and book reports are included. Summer reading is a vital part of the course.

English 6 Pre-AP

Prerequisite: None
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 6

This course is designed to challenge students to comprehend and analyze literary texts, as well as develop critical thinking skills through creative expression. Oral and written assignments will help develop each student’s overall ability to effectively communicate, using grammar skills and mechanics of writing taught during this course. Students will explore elements of writing through examining, analyzing, and interpreting literature. Heavy emphasis is placed on developing the students’ critical thinking skills and communicating their findings. Students are introduced to various forms of literature and writing genres. Two summer reading novels are essential to this course.

English 7

Prerequisite: English 6
Grade: 7

This course expands essential language skills and enhances reading comprehension. Daily objectives are accomplished through spelling, vocabulary, and grammar units, as well as practical writing assignments. Students’ reading focuses on an analysis of short stories and exploration of novels as a class. Students develop research and writing skills in a research paper assignment. Two novels for summer reading are a vital part of the course.

English 7 Pre-AP

Prerequisite: English 6
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 7

This course challenges and enhances students’ language skills through reading, writing, and oral communication. Daily objectives are achieved in spelling, vocabulary, and grammar units, as well as a variety of literary genres. There is a strong emphasis on reading comprehension and analysis. Students produce research reports in the MLA format, along with presentations to enrich novel study. Three summer reading novels are a vital part of this course.
English 8

*Prerequisite: English 7*
*Grade: 8*

This course challenges and enhances students’ language skills through reading, writing, and oral communication. There is a strong emphasis on grammar and writing, with lessons that focus on paragraph development. A research paper is required each semester. Daily objectives are achieved through spelling, vocabulary, and grammar units, as well as a variety of literary genres including short stories, poetry, and novels. Novels for summer reading are a vital part of the course.

English 8 Pre-AP

*Prerequisite: English 7*
*Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.*
*Grade: 8*

This course challenges and enhances students’ language skills through reading, writing, and oral communication. There is a strong emphasis on grammar and writing, with lessons that focus on paragraph development. Several essays linked to novel studies are required. A research paper using the MLA format is assigned each semester. Daily objectives are achieved through spelling, vocabulary, and grammar units, as well as a variety of literary genres. Three summer reading novels are a vital part of the course.
Fine Arts Electives

Art for Middle School

*Prerequisite: None*
*Grades: 6 – 7*

This course is an introduction to mixed media. Basic drawing skills are emphasized as students begin to "see" and interpret two-dimensional form. Beginning painting skills are also introduced, including acrylic and watercolor. Students will execute projects in the classroom using a variety of media, such as watercolor pencil, scratch art, colored pencil, oil pastel, and clay. This class may also be modified to challenge students to reach their desired level of expertise.

Art I

*Prerequisite: None*
*Grade: 8*
*Credit: 1 (Fine Arts credit for Upper School and will be included on the student’s transcript)*

Art I is a prerequisite for all Upper School Art courses. This course emphasizes basic elements of art (line, shape/form, value, space, and color) and principles of design (proportion, repetition, balance, variety, and unity) within the disciplines of drawing, painting, printmaking, pottery, and sculpture. A wide variety of media is explored including graphite, pastels, colored pencils, watercolor, acrylic, collage, clay, and mixed media. This course is designed to enhance students’ creative and technical abilities in art. Daily assignments and longer projects are assigned to enhance students’ proficiency of self-expression. Students will be introduced to art history through projects and presentations.

Band

*Prerequisite: None*
*Grades: 6 – 8*

The fundamentals necessary to perform well on a musical instrument are emphasized, such as tone production, technique, tonguing styles, balance of the ensemble, dynamics, starting and releasing together, counting rhythms, and developing steady time. As these fundamentals are developed, concentration is given to performing more music in different styles with varied time signatures. Students work to develop more range on their instruments and play at faster tempos. The goal of this program is to provide each student with a Christ-centered music education based upon sound music theory and study. Students work individually, in small ensembles, and as a large group to prepare for performances and area competitions.

6th Grade Theatre

*Prerequisite: None*
*Grade: 6*

This course serves as an introduction to theatre for 6th grade students. Students will begin learning the basics of theatre and start to shape skills needed for performing. This class is not a requirement for taking Spotlight in 7th or 8th grade, but it is recommended. This class will help equip students with the foundations expected for the future in the department. There will also be an introduction to the Private Schools Interscholastic Association (PSIA) speech tournament in the spring. This course is not a production class, but students will perform in a small end-of-the-year showcase.
Concert Choir

Prerequisite: None
Grades: 6 – 8

Concert Choir is open to anyone in Middle School who likes to sing. Students will explore a broad range of music from classical to pop. This course is an introduction to vocal music and production, sight-singing, and music theory. There will be a Christmas concert, a Spring Showcase, and the potential to sing at other venues such as Holiday in the Park at Six Flags, school chapels, and the National Anthem at a sporting event. No prior choral experience is necessary, just a great attitude and a willingness to work hard!

ShowStoppers

Prerequisite: Audition required
Grades: 6 – 8

ShowStoppers is made up of 6th, 7th, and 8th grade actors and singers who desire to develop their skills vocally and theatrically. Acceptance into the class is based on their audition with teachers. This class is designed to teach, perform, and observe higher levels of singing, theatre, and musical art. Fundamentals in singing and musical theatre acting will be reviewed and expounded. The goal of this class is to acclimate students to a mixed age cast/choir and encourage them to take on leadership responsibilities that will prepare them for Upper School choir, theatre, and more. Because ShowStoppers is a performance course, students will display their skills, talents, and gifts in a Christmas concert and a Broadway musical in the spring.

Spotlight

Prerequisite: Theatre experience and audition
Grades: 7 – 8

This advanced level course is for students in 7th and 8th grades who have discovered their passion for theatre and desire to hone their skills in preparation for Encore at the Upper School level. Members of the class are required to perform in the annual Christmas presentation, as well as compete in area contests. Class time is spent rehearsing for performances and studying various acting styles and theatre techniques.
**FOREIGN LANGUAGE**

**Beginning German**

*Prerequisites: None*

*Grade: 7 – 8*

*No Upper School credit given for middle school foreign language classes.*

German Year 1 is a fun, interactive course designed to introduce students to the German language and culture. Emphasis will be on the acquisition of four skills: listening, speaking, reading and basic writing. The primary goal is to give students the ability to carry on a simple conversation in German. Students will also learn how to say a basic prayer in German, share basic information about German songs and singers, and read and discuss simple novels in German. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). Students will take the Assessment of Performance toward Proficiency in Languages (AAPPL) interpersonal speaking test at the end of 8th grade to demonstrate language ability and for placement in Upper School foreign language courses.

**Beginning Mandarin**

*Prerequisites: Approval from academic advisor*

*Grade: 6 – 8*

*No Upper School credit given for middle school foreign language classes.*

This introductory course in Chinese language is designed for students who have no or little prior experience in the language. Throughout the course, students will develop their listening, speaking, reading, and writing, with emphasis on oral communication skills. Students will also gain an understanding of the Chinese culture. Students will take the Assessment of Performance toward Proficiency in Languages (AAPPL) interpersonal speaking test at the end of 8th grade to demonstrate language ability and for placement in Upper School foreign language courses.

*Note: Students need to be aware that the Foreign Service Institute ranks Mandarin as a Category 5 language, the highest ranking of difficulty.*

**Beginning Spanish**

*Prerequisite: None*

*Grades: 6 – 8*

*No Upper School credit given for middle school foreign language classes.*

Spanish Year 1 is a fun, interactive course designed to introduce students to the Spanish language and culture. Emphasis will be on the acquisition of four skills: listening, speaking, reading and basic writing. The primary goal is to give students the ability to carry on a simple conversation in Spanish. Students will also learn how to say a basic prayer in Spanish, share basic information about Latino songs and singers, and read and discuss simple novels in Spanish. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages). Students will take the Assessment of Performance toward Proficiency in Languages (AAPPL) interpersonal speaking test at the end of 8th grade to demonstrate language ability and for placement in Upper School foreign language courses.
Mathematics

Mathematics

Prerequisite: None
Grade: 6

In this course, students will learn traditional mathematics, including computation and estimation of whole numbers, fractions, decimals, percent, and the practical application of these skills. Geometric concepts and formulas are also taught, as are algebraic equations and an introduction to integers. This class lays a solid foundation for students entering into Pre-Algebra in the 7th grade.

Mathematics Pre-AP

Prerequisite: None
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 6

In this course, students learn traditional mathematics. The Pre-AP course is designed for students who excel in all areas of math. Skills covered in this course are the computation and estimation of whole numbers, fractions, decimals, percent, and the practical application of these skills. Geometric concepts and formulas are also taught, as are algebraic equations and an introduction to integers. This class lays a solid foundation for students taking Pre-Algebra in 7th grade. When compared to the standard 6th grade mathematics course, the Pre-AP course moves at a faster pace, covers many topics in greater depth, and includes some additional topics.

Pre-Algebra

Prerequisite: Mathematics
Grade: 7–8

This course is designed to help ease the transition from mathematics to algebra. The class includes a strong review, the building of mathematical skills, the use of variables, algebraic expressions (decimals, integers, and rational numbers), and techniques for solving various equations. The next course in sequence is Algebra I.

Pre-Algebra Pre-AP

Prerequisite: Mathematics
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 7–8

This course is designed to help ease the transition from mathematics to algebra for students who excel in math. The class includes a strong review, the building of mathematical skills, the use of variables, algebraic expressions (decimals, integers, and rational numbers), and techniques for solving various equations. When compared to the standard Pre-Algebra course, the Pre-AP course moves at a faster pace, covers many topics in greater depth, and includes some additional topics. The next course in sequence is Algebra I Pre-AP.
Algebra I

*Prerequisite: Pre-Algebra*

*Grades: 8*

*Credit: 1 (Math credit for Upper School which will be included on the student’s transcript and in GPA calculations)*

This course is the first of a two-year study of algebra designed primarily for 8th grade students. Algebra I emphasizes rules, symbols, and the laws of arithmetic as applied to algebraic structure. Students obtain analytical and critical thinking skills that will be the basis for future math classes.

Algebra I Pre-AP

*Prerequisite: Pre-Algebra*

*Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.*

*Grades: 8*

*Credit: 1 (Math credit for Upper School which will be included on the student’s transcript and in GPA calculations)*

Algebra I is the first year of a two-year study of algebra. The Pre-AP course is designed for students who excel in math. This course emphasizes rules, symbols, and the laws of arithmetic as applied to algebraic structure. In Algebra I, students obtain analytical and critical thinking skills that will be the basis for future math classes, with an emphasis on problem solving. When compared to the standard Algebra I course, the Pre-AP course moves at a faster pace, covers many topics in greater depth, and includes some additional topics.
Physical Education

Athletics

Prerequisite: None
Grades: 6 – 8

Athletics is held during 8th and 9th period every day. Students who enroll in athletics are doing so with the intent of competing for a roster spot on one of the Middle School athletic teams. Sports available for 7th and 8th grade boys include football, basketball, track and field, wrestling, swimming, soccer, tennis, and cross country. Sports available for 7th and 8th grade girls include volleyball, swimming, soccer, tennis, basketball, track and field, and cross country. Sports available for 6th grade students are cross country, swimming, tennis, wrestling (boys), and track and field. Students enrolled in athletics are required to stay in athletics all year.

Physical Education

Prerequisite: None
Grades: 6 – 8

The physical education course provides an enjoyable experience in physical activities that help all students develop the knowledge, attitude, emotional and behavioral skills, and confidence needed to adopt and maintain physically active lifestyles.

Spirit Team

Prerequisite: None
Grades: 7 – 8

The Middle School Spirit Team for girls teaches cheer and dance routines that increases memory, coordination, and teamwork skills. There are no tryouts for the Spirit Team. Participating in the Spirit Team will not prevent students from trying out for other athletic team sports, and it is not a requirement for doing so. Girls participating in the Spirit Team are required to perform at designated LCS games and other events outside of regular school hours. The Spirit Team will perform at several Middle School pep rallies throughout the year. Parents should be aware that important parent meetings take place throughout the year, and there is an extra cost of $350.00 to cover shirts, uniforms, competition fees, etc.
Science

Science

Prerequisite: None
Grade: 6

Science for 6th grade is a hands-on applied science course and encourages the fulfillment of the Genesis command to subdue the earth and exercise dominion over it with compassion and stewardship. The curriculum encompasses two sections – life science and physical science. Life science is a study of God's creation of living things. This section of the course focuses on the plant kingdom and invertebrates in the animal kingdom. Physical science is a study of inanimate natural objects including astronomy, chemistry, physics, and earth science, which focuses on the formation of rocks, volcanoes, and caves.

Science Pre-AP

Prerequisite: None
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 6

Pre-AP Science for 6th grade is a rigorous hands-on applied science course that encourages critical and analytical thinking. Participation in the Liberty Science Fair is mandatory for Pre-AP students. Throughout the year, students will collect and analyze data through structured labs and by using and creating models. Pre-AP labs will be more student led with pre labs and post labs required. The curriculum encompasses two sections – physical science and life science, with an emphasis on a biblical worldview that God is the Creator and Sustainer of the universe, as students identify the orderliness and precision of His creation.

Life Science

Prerequisite: Science
Grade: 7

Life Science covers the observations, predictions, and conclusions about the living things God created. The content of this course will include cytology (the study of cells) and genetics, creation and evolution, taxonomy, and an emphasis on the scientific method. These topics will be studied through a variety of methods including labs, hands-on and problem-solving activities, and class discussion. The primary objectives of Life Science are for students to gain a deeper understanding of God’s character and power through all He has created, and increase their confidence in reasoning and independent learning. Participation in the Liberty Science Fair is optional.

Life Science Pre-AP

Prerequisite: Science
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 7

Pre-AP Life Science covers the observations, predictions, and conclusions about the living things God created at a faster pace. The content of this course includes cytology (the study of cells) and genetics, creation and evolution, taxonomy, and an emphasis on the scientific method. These topics will be studied through a variety of methods including labs, hands-on activities, problem-solving, and class discussion. The primary objectives of Life Science are for students to gain a deeper understanding of God’s character and power through all He has created, and further develop reasoning, critical thinking, and independent learning skills. Participation in the Liberty Science Fair is mandatory for this course.
STEM

Prerequisite: None
Grades: 6 – 8

STEM is the acronym for Science, Technology, Engineering, and Mathematics. This elective course is designed to introduce technology and scientific principles to a new generation of engineers. During the school year, students will study remote control forms of transportation and robotics. Students will build several robots throughout the year, culminating in competitions in the spring. The robot portion of class includes construction techniques and basic robotic programming. The class will study alternative energy sources and understand the physics behind new technologies. The primary goal of this course is to prepare students for Upper School chemistry, physics, and engineering classes. Science Olympiad is an extracurricular competition. Participation is highly encouraged in this class.

Science of Physical Creation

Prerequisite: Life Science
Grade: 8

This course studies God's design of the world. Interaction in physical science is based on the principle that all students can reason like a scientist by thinking and developing ideas through the collection of evidence. The basis of this course involves observing, thinking, discussing, investigating, and practicing. The content focuses on the scientific method, energy, force, conservation of matter, and chemistry. Standards are learned through a combination of guided inquiry and direct instruction. In guided inquiry activities, students perform experiments and construct many physical science concepts based on evidence from experiments. The major project for this course is participation in the Liberty Science Fair, as well as all fairs to which the student may advance.

Science of Physical Creation Pre-AP

Prerequisite: Life Science
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 8

This course moves at a faster pace and involves more discussion, writing, and presentations. There will be more critical and analytical thinking involved with questioning and reflecting on key ideas. This course studies God's design of the world. Interaction in physical science is based on the principle that all students can reason like a scientist by thinking and developing ideas through the collection of evidence. The basis of this course involves observing, thinking, discussing, investigating, and practicing. The content focuses on the scientific method, energy, force, conservation of matter, and chemistry. Standards are learned through a combination of guided inquiry and direct instruction. In guided inquiry activities, students perform experiments and construct many physical science concepts based on evidence from experiments. The major project for this course is participation in the Liberty Science Fair, as well as all fairs to which the student may advance.
Social Studies

New World History and Geography

*Prerequisite: None*

*Grade: 6*

This history course is designed to impart students with the map skills, critical thinking skills, and the confidence needed for secondary level requirements. Students will learn to interpret maps while exploring cultures and histories of countries in the Western Hemisphere and Europe. Geography and map skills are an integral part of this course. Students will investigate and understand the historical account and foundational beliefs that have made the United States the leader of democracy and how belief in God and the Bible are fundamental to American government and its law. Class time will include lectures, Socratic Seminars, PowerPoint presentations, class discussions, video excerpts, reading assignments, reenactments, small projects, games, and group activities.

New World History and Geography Pre-AP

*Prerequisite: None*

*Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.*

*Grade: 6*

This history course is designed to impart students with the map skills, critical thinking skills, and the confidence needed for secondary level requirements including further Pre-AP coursework. Students will learn to interpret maps while exploring cultures and histories of countries in the Western Hemisphere and Europe. Geography and map skills are an integral part of this course. Students will investigate and understand the historical account and foundational beliefs that have made the United States the leader of democracy and how belief in God and the Bible are fundamental to American government and its law. Class time will include lectures, Socratic Seminars, PowerPoint presentations, class discussions, video excerpts, reading assignments, reenactments, small projects, games, and group activities. Students will also focus on current events. According to the College Board Advanced Placement Program, Pre-AP curriculum is one that is different in pace, depth, breadth, and/or complexity. All students are taught in accordance with Liberty’s academic standards for 6th grade. Pre-AP is intended to develop and build on those skills necessary to be successful in Upper School Pre-AP and AP courses.

Classical Languages and Cultures

*Prerequisite: New World History and Geography*

*Grade: 7*

This class is an introduction to Western civilization and the cultures, histories, and languages of the ancient Greeks and Romans. One objective of this course is to provide a solid foundation for the understanding of classic cultures, from which springs the basis of Western civilization, democracy, the arts, classical architecture, and the origins of Christianity. An equally important objective is to understand the Greek and Latin languages, which provide the roots of more than 80 percent of the words used in literate English. The course begins with the study of Greek language and culture. Latin language and Roman culture will begin in the second semester. Throughout the entire year, students will study the roots of many words in the English language.
Classical Languages and Cultures Pre-AP

Prerequisite: New World History and Geography
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 7

In Pre-AP Classics, students will be challenged to achieve the primary objective of gaining a greater appreciation of the classic cultures, from which springs the basis of Western civilization, democracy, the arts, the origins of Christianity. This course is accelerated and requires additional reading, writing, analysis, translation, and study beyond a basic understanding. A second objective is to understand the Greek and Latin languages, which provide the roots of more than 80 percent of the words used in literate English.

United States History

Prerequisite: Classical Languages and Cultures
Grade: 8

United States History is a comprehensive study of the foundation of America and the struggle to build the nation. The class begins with the early explorations of the Spanish conquistadors and ends with the Civil War. Students will develop an appreciation for the first Americans and the price they paid to establish the United States today. Influential characters who played important roles in the pivotal events that shaped American history will be examined. The text highlights the Christian background of America's forefathers who were responsible for shaping the democratic government that still exists today. The course will include a brief study of European and Middle Eastern geography, and a more comprehensive look at North American geography throughout each unit.

United States History Pre-AP

Prerequisite: Classical Languages and Cultures
Additional prerequisites: See Page 3 for more information about Pre-AP/AP requirements.
Grade: 8

This course is designed to give students an understanding of the establishment of the United States. Students will develop an appreciation of America's history as they study the cultural, economic, political, social, and religious development of the United States from its beginning through the Reconstruction period following the Civil War. This course is accelerated and requires supplemental, analytical reading and extensive writing. This course prepares students for AP classes and other academically challenging courses in Upper School.