



Message from the Upper School Director,  
Mr. Michael Jakubisin

Dear Parents and Students:

Congratulations, you have in your hands a guide to one of the most demanding and enriching high school curriculums in the Southeast! Lake Highland's graduation requirements will guide you in choosing a course of study that will prepare you for acceptance to and success at a wide range of colleges across the country. Please take the time to look carefully at the courses required for graduation and chart out a plan for the remainder of your secondary school career.

In choosing courses be sure to select both the most challenging courses you can handle and courses that suit your interests. Lake Highland's elective courses are designed to help broaden our students intellectually, physically, and spiritually.

We work hard to make the course registration process a smooth one. The most important element of the process is your careful consideration of which courses you want to take in the coming year. Our schedule is designed to accommodate the highest percentage of student requests possible and depends upon getting your thoughtful input at the start.

We look forward to your continued growth through the curriculum!

Sincerely,

Michael Jakubisin  
Director of Upper School

# Lake Highland Preparatory School 2012-2013 Course Curriculum Guide

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# LAKE HIGHLAND PREPARATORY SCHOOL

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## MISSION STATEMENT

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*Within an atmosphere of  
love, concern and  
mutual respect,*

### **Lake Highland Preparatory School**

*is committed to instilling Christian values,  
to inspiring patriotism,  
to developing future leaders,  
and to preparing students for college  
and lifetime learning  
through academically challenging  
programs and affirming competitive  
experiences.*

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## Highlander Honor Code

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*Each Highlander is a unique child of God  
whose actions are based upon these  
fundamental beliefs:*

*A Highlander's word is the truth.*

*A Highlander's work is completely his or her own.*

*A Highlander respects the rights, feelings  
and property of others.*

# Three Levels of Academic Study

Students at Lake Highland, who meet specific requirements, may have the option of one of three main levels of academic study. If certain prerequisites are met, it is also possible for students to design their own course of study by taking courses from each level. Discussions with the counselors and teachers facilitate a personalized course of study for each Lake Highland Preparatory student.

## I. College Prep Core

- All College Prep core classes at Lake Highland Preparatory School prepare the student for entrance to most colleges.

## II. Honors & Advanced Placement (AP)

- These advanced and college level courses require teacher/counselor approval and the completion of other prerequisites found on department pages and the AP prerequisite page. Courses are designated "Honors" or "AP" in the course title. A student may take an honors course of study in any of the following disciplines: language arts, math, social studies, science, foreign language and computer science. In addition, twenty-four AP courses are offered. These college level courses and exams are for highly motivated, serious students who enjoy an academic challenge. This level of study prepares students for admission to the most competitive and selective colleges and universities.
- Honors courses are weighted one-half point (.5) and AP courses are weighted one full point. (1.0)
- All students in AP courses are required to take the AP exams at year's end. Each exam costs approximately \$87; this fee will appear on the student's bill.

## III. MERIT STUDIES: Grades 9 - 12

- The Merit Studies Program is the most rigorous and challenging course of study. The LHPS Merit Studies Program is designed to enhance academic learning by offering the academically gifted and motivated student challenges both in and out of the classroom.

## LHPS College and Career

**For assistance in choosing courses and programs, students are encouraged to meet with their assigned counselors as early and often as necessary. Phone: 407-206-1900, Ext. 3242.**

| Student's Class          | Last Name | Guidance Counselor*  | College Counselor  |
|--------------------------|-----------|--|--|
| 2016 (9 <sup>th</sup> )  | A-F       | Mr. Fiorica ( <a href="mailto:tfiorica@lhps.org">tfiorica@lhps.org</a> )       | Ms. Long ( <a href="mailto:elong@lhps.org">elong@lhps.org</a> )                |
| 2016 (9 <sup>th</sup> )  | G-N       | Ms. Head ( <a href="mailto:chead@lhps.org">chead@lhps.org</a> )                | Ms. Stewart ( <a href="mailto:lstewart@lhps.org">lstewart@lhps.org</a> )       |
| 2016 (9 <sup>th</sup> )  | O-Z       | Ms. Keenan ( <a href="mailto:tkeenan@lhps.org">tkeenan@lhps.org</a> )          | Ms. Englehart ( <a href="mailto:venglehart@lhps.org">venglehart@lhps.org</a> ) |
| 2015 (10 <sup>th</sup> ) | A-G       | Mr. Fiorica ( <a href="mailto:tfiorica@lhps.org">tfiorica@lhps.org</a> )       | Ms. Long ( <a href="mailto:elong@lhps.org">elong@lhps.org</a> )                |
| 2015 (10 <sup>th</sup> ) | H-Pa      | Ms. Head ( <a href="mailto:chead@lhps.org">chead@lhps.org</a> )                | Ms. Stewart ( <a href="mailto:lstewart@lhps.org">lstewart@lhps.org</a> )       |
| 2015 (10 <sup>th</sup> ) | Pe-Z      | Ms. Keenan ( <a href="mailto:tkeenan@lhps.org">tkeenan@lhps.org</a> )          | Ms. Englehart ( <a href="mailto:venglehart@lhps.org">venglehart@lhps.org</a> ) |
| 2014 (11 <sup>th</sup> ) | A-F       | Mr. Fiorica ( <a href="mailto:tfiorica@lhps.org">tfiorica@lhps.org</a> )       | Ms. Long ( <a href="mailto:elong@lhps.org">elong@lhps.org</a> )                |
| 2014 (11 <sup>th</sup> ) | G-O       | Ms. Head ( <a href="mailto:chead@lhps.org">chead@lhps.org</a> )                | Ms. Stewart ( <a href="mailto:lstewart@lhps.org">lstewart@lhps.org</a> )       |
| 2014 (11 <sup>th</sup> ) | P-Z       | Ms. Keenan ( <a href="mailto:tkeenan@lhps.org">tkeenan@lhps.org</a> )          | Ms. Englehart ( <a href="mailto:venglehart@lhps.org">venglehart@lhps.org</a> ) |
| 2013 (12 <sup>th</sup> ) | A-F       | Ms. Long ( <a href="mailto:elong@lhps.org">elong@lhps.org</a> )                |  |
| 2013 (12 <sup>th</sup> ) | G-Mi      | Ms. Stewart ( <a href="mailto:lstewart@lhps.org">lstewart@lhps.org</a> )       |  |
| 2013 (12 <sup>th</sup> ) | Mo-Z      | Ms. Englehart ( <a href="mailto:venglehart@lhps.org">venglehart@lhps.org</a> ) |  |

**\*Counselor assignments may be revised based on student enrollment in the fall.**

## Planning For College

Every year your curriculum choices will have great influence upon your preparation as a candidate for college. Please choose courses that both challenge and interest you. Discuss your options with your parents, teachers and counselor.

Directors of Admission at colleges and universities state the following:

- The courses a student selects in high school are very important; the more academic and rigorous courses the better. Maintaining steady progress in grades in a challenging curriculum is the best indicator of college level success.
- Many colleges recalculate a student's high school grade point average based on the academic core. The academic core consists of English, Math, Science, Social Studies and Foreign Language.
- Planning a light senior course load is unwise. A student should build in balance each year. The senior year course load should reflect the student's full academic ability and work ethic.

- Honors courses and AP courses on a transcript are important, but not at the cost of the student's grade point average.
- SAT and ACT scores are more important than most colleges are willing to admit. However, rigor of curriculum and success in those courses remains the leading factor in college admissions.
- Having a large number of activities on a resume is not as important as excelling in one or two areas.
- A history of service within the community or work experience is a compelling addition to your profile for college admission.
- Students should research the admission requirements for their colleges of interest prior to registering for their junior and senior year courses.

Choose a schedule that will show colleges your academic motivation and yet leaves time available to pursue interesting and stimulating extracurricular activities.

## Useful Web Sites for College Planning



### **College Information Sites**

College Board: [www.collegeboard.com](http://www.collegeboard.com)  
 Peterson's: [www.peterson.com](http://www.peterson.com)  
 Princeton Review: [www.review.com](http://www.review.com)  
 College Answer: [www.collegeanswer.com](http://www.collegeanswer.com)  
 National Assoc. College Admis. Counseling:  
[www.nacacnet.org](http://www.nacacnet.org)  
 College Net: [www.collegenet.com](http://www.collegenet.com)



### **College Search Sites:**

College View: [www.collegeview.com](http://www.collegeview.com)  
 College Majors: [www.mymajors.com](http://www.mymajors.com)  
 Campus Tours: [www.campustours.com](http://www.campustours.com)  
 Colleges That Change Lives:  
[www.ctcl.com](http://www.ctcl.com)



### **Special Interest Sites**

College Planning for Students with  
 Learning Differences:  
[www.ldonline.org/questions](http://www.ldonline.org/questions)  
 Council for Christian Colleges:  
[www.cccu.org](http://www.cccu.org)  
 Hillel: [www.hillel.org](http://www.hillel.org)  
 Jesuit Colleges and Universities:  
[www.ajcunet.edu](http://www.ajcunet.edu)  
 Combined BA/MD Programs: [www.aamc.org](http://www.aamc.org)



### **Standardized Testing Sites:**

SAT Online Registration:  
[www.collegeboard.com/testing](http://www.collegeboard.com/testing)  
 ACT Online Registration:  
[www.actstudent.org](http://www.actstudent.org)



### **Athletics:**

NCAA: [www.ncaa.org](http://www.ncaa.org)  
 NAIA: [www.naia.org](http://www.naia.org)

# Minimum Credits Required for LHPS Graduation



|   |             |
|---|-------------|
| <b>Language Arts</b> (5.5 Credits)                                  |             |
| English 9, 10, 11, 12   | 4.0         |
| Advanced Composition  | 0.5         |
| Humanities I  | 0.5         |
| Speech, Debate, or<br>Debate I Honors: Lincoln Douglas/Public Forum | 0.5         |
| <b>Mathematics</b> (4 Credits)                                      |             |
| Sequential offerings through Algebra II                             | 3.0         |
| One additional math offering  | 1.0         |
| <b>Science</b> (4 Credits)  |             |
| Biology   | 1.0         |
| Chemistry   | 1.0         |
| Two additional science  | 2.0         |
| <b>Social Studies</b> (4 Credits)                                   |             |
| World History   | 1.0         |
| United States History   | 1.0         |
| Two additional social studies                                       | 2.0         |
| <b>Foreign Language</b> (2 Credits)                                 |             |
| Two consecutive years of a foreign language during grades 9-12      | 2.0         |
| <b>Computer Science</b> (.5 Credit)                                 |             |
| Any one semester computer course                                    | 0.5         |
| <b>Physical Education</b> (.5 Credit)                               |             |
| Personal Fitness (one semester)                                     | 0.5         |
| <b>Elective</b> (3.5 Credits)                                       |             |
| Non-honors performing and fine art                                  | 0.5         |
| Non-honors graded elective  | 0.5         |
| Additional electives  | 2.5         |
| <b>Total Credits</b>  | <b>24.0</b> |

- NOTE:**
1. Students are required to enroll in a minimum of five academic courses each semester.
  2. Eleventh and twelfth grade students may not enroll in more than three Advanced Placement courses at one time without prior approval of the Upper School Director.
  3. Ninth grade students may only enroll in one AP course – AP Biology (by invitation only) or AP World History. Ninth grade students must meet all course prerequisites to enroll.
  4. Sophomores may not enroll in more than two Advanced Placement courses at one time without prior approval of the Upper School Director.
  5. Merit Studies students are required to take three consecutive years of one foreign language (grades 7-12) and are recommended to complete the foreign language sequence through level IV or AP.

# Electives

## Language Arts

- Creative Writing I
- Debate I
- Debate I Honors: Lincoln Douglas/Public Forum
- Debate II-V Honors
- Humanities I or II Abroad (Summer Session)
- Logic and Semantics (Summer Session)
- Newspaper I-IV
- Shakespeare I and II Honors
- The History of the Motion Picture
- Themes in Contemporary Literature I and II
- Yearbook I-IV

## Math

- AP Calculus AB and BC
- AP Statistics
- Calculus Honors
- Essentials of College Algebra
- Intro to Statistics
- Logic & Semantics (Summer Session)
- Pre-calculus
- Pre-calculus Honors
- Trigonometry

## Science

- Anatomy and Physiology Honors
- Advanced Marine Research (Summer Session)
- Advanced Research Honors I-IV
- AP Environmental Science
- Engineering: Designing the Future - Honors
- Environmental Science (Honors option)
- Forensics Science Honors
- Introduction to Chemistry and Physics
- Marine Biology (Honors option)
- Physics, Physics Honors and AP Physics B

## Social Studies

- American Government Honors
- AP European History
- AP Macroeconomics
- AP Microeconomics
- AP Psychology
- AP U.S. Government/Politics
- Comparative Religions
- East Asian Studies Honors (offered alternating years; next offered in 2013-2014)
- Economics Honors
- International Relations Honors
- New Testament Survey
- Old Testament Survey
- Psychology I Honors
- War and Revolution in the 20th Century Honors (offered alternating years; next offered in 2012-2013)

# Electives (cont.)

## Foreign Language

- AP Chinese Language & Culture
- AP French Language
- AP Latin Vergil
- AP Spanish Language
- French III
- French III-IV Honors
- Latin III-IV Honors
- Mandarin Chinese III-IV Honors
- Spanish III-IV
- Spanish III-IV Honors

## Computer Science

- AP Computer Science
- Honors Game Programming
- Robotics
- Web Design

## Performing and Fine Arts

- Advanced Drawing and Composition I & II Honors
- AP Art History
- AP Music Theory (offered alternating years; next offered 2012-2013)
- AP Studio Art
- Art I-III
- Ceramics
- Chorus I-II & III-IV Honors
- Computer Art: Electronic Imaging
- Dance Technique
- Digital Video Production I, II, III
- Digital Video Production IV Honors
- Drama I-IV
- Emerging Media
- Introduction to Music Theory (offered alternating years; next offered 2013-2014)
- Introduction to Recording Studio
- Photography I-III
- Stagecraft I-IV
- Symphonic Band I-IV and III-IV Honors
- Symphony Orchestra

## Physical Education

- Athletic Training I-III
- Athletics
- Weight Training I-IV

## Other

- KILT (Key Instructional Leadership Team)
- Service Leadership
- Student Assistant
- Student Council
- Student Technology Assistant
- Study Hall
- Writing Center Tutor

# Curriculum Planning Form

Student's Name: \_\_\_\_\_

| Requirement   | Grade 9 Course<br>CR/GR  | Grade 10 Course<br>CR/GR    | Grade 11 Course<br>CR/GR        | Grade 12 Course<br>CR/GR |
|---|--------------------------|-----------------------------|---------------------------------|--------------------------|
| English (4)   |                          |                             |                                 |                          |
| Speech (.5)   | X                        |                             |                                 |                          |
| Adv. Composition (.5)   |                          | X (or 11 <sup>th</sup> )    | X (if not in 10 <sup>th</sup> ) |                          |
| Humanities I (.5)   |                          |                             | X                               |                          |
| Mathematics (4)   |                          |                             |                                 |                          |
| Science (4)   |                          |                             |                                 |                          |
| World History (1)   | X                        |                             |                                 |                          |
| U.S. History (1)  |                          | X                           |                                 |                          |
| One additional Social Studies   |                          |                             | X                               |                          |
| One additional Social Studies   |                          |                             |                                 | X                        |
| Foreign Language In 9-12 <sup>th</sup> grade (2)<br>Merit Studies (3 total) |                          |                             |                                 |                          |
| Personal Fitness (.5)   | X (or 10 <sup>th</sup> ) | X (if not 9 <sup>th</sup> ) |                                 |                          |
| Computer Course (.5)  |                          | X                           | X (if not 10 <sup>th</sup> )    |                          |
| Elective (.5 non-honors Performing and Fine Arts)                           |                          |                             |                                 |                          |
| Elective (.5 non-honors graded)   |                          |                             |                                 |                          |
| Elective  |                          |                             |                                 |                          |
| Elective  |                          |                             |                                 |                          |
| Elective  |                          |                             |                                 |                          |
| Elective  |                          |                             |                                 |                          |
| Elective  |                          |                             |                                 |                          |
| <b>Total Credits</b>  |                          |                             |                                 |                          |
| <b>GPA (wtd)</b>  |                          |                             |                                 |                          |
| <b>GPA (uwtd)</b>   |                          |                             |                                 |                          |
| <b>Date</b>   |                          |                             |                                 |                          |

For more specific information on the Florida Bright Futures Scholarship program visit: [www.floridastudentfinancialaid.org](http://www.floridastudentfinancialaid.org).

# Language Arts

## General prerequisites for all honors courses 9<sup>th</sup> – 12<sup>th</sup>:

1. “A” in previous year’s college prep course or “B” or better in previous honors course.
2. Stanines of 8 or above (national norm) on CTP4 for 9th grade courses; a raw score of 45 or above on the PSAT for 10th grade courses and 50 or above for 11th and 12th grade courses.
3. Teacher and/or counselor recommendation.

## Advanced Placement course prerequisites are on page 33.

### **English 9 – 1001310** **One Year**

The ninth grade English program examines the literary genres of short stories, drama, essays, poetry, and novels and allows students to explore various methods of analyzing and interpreting literature. In addition, the course requires an intensive review of basic grammar. Appropriate grammar usage is applied in frequent composition assignments. Vocabulary study is provided by studying word use in context. Use of research skills and MLA documentation are also emphasized.

### **English 9 Honors\* - 1001320** **One Year**

English 9 Honors follows the basic format of the English 9 course but is broader in scope and format. This course covers more examples of literature and requires more reading and writing than the college prep English 9 course. Students work with critical interpretations and commentaries in addition to studying the primary source texts. Students practice skills in numerous writing assignments.

*\*See prerequisites.*

### **English 10 – 1001340** **One Year**

English 10 is a survey of great writers, concepts, and themes of American literature. An analytical approach to writing enhances critical thinking skills. Thesis papers will be assigned throughout the year. In addition, the course offers a study of Shakespeare’s *Julius Caesar* and a review of grammar, punctuation, usage and syntax. Reinforcement of research skills and MLA documentation style is emphasized.

### **English 10 Honors\* - 1001350** **One Year**

English 10 Honors follows the basic format of the English 10 course but is broader in scope and format. This course covers more examples of American literature and requires more reading and writing than the college prep English 10 course. Students work with critical interpretations and commentaries in addition to studying the primary source texts.

*\*See prerequisites.*

### **English 11 – 1001370** **One Year**

English 11 presents a survey of British literature. The works of the great British authors from Anglo-Saxon times through the 18<sup>th</sup> century provide students with ample material for literary interpretation and critical analysis. A number of essays are required; writing skills topics include transition, sentence variety, proper diction, use of specific details, and MLA documentation. Students work with critical interpretations and commentaries in addition to studying the primary source texts.

### **English 11 Honors\* - 1001380** **One Year**

English 11 Honors follows the basic format of the English 11 course but is broader in scope and format. This course covers more examples of British literature and requires more reading and writing than the college prep English 11 course. Students work with critical interpretations and commentaries in addition to studying the primary source texts.

*\*See prerequisites.*

### **AP English 11 Language and Composition\* - 1001420** **One Year**

AP Language and Composition is a college level course in rhetoric; the course emphasizes the reading and writing of prose. Students explore the expository, analytical, and argumentative modes. The readings include a survey of British Literature from Anglo-Saxon times to the 18<sup>th</sup> century as well as a focus on the essay genre.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year.*

### **English 12 Honors\* - 1001410** **One Year**

Honors English 12 is a year-long course in reading, discussing, and writing about primarily western European literature. Senior English Honors will use an inquiry-based curriculum that focuses on a single philosophical question. Student readings and teacher presentations will supplement ongoing individual student research. In essence, the class is driven by intensive scholarly inquiry, reflective writing, active discussion (debate), and defense of a thesis.

*\*See prerequisites.*

### **AP English 12 Literature and Composition\* - 1001430** **One Year**

AP English 12 is a year-long course in reading, discussing, and writing about primarily western European literature. Senior English AP will use an inquiry-based curriculum that focuses on a single philosophical question. Student readings and teacher presentations will supplement ongoing individual student research. In essence, the class is driven by intensive scholarly inquiry, reflective writing, active discussion (debate), and defense of a thesis. Enrollment is limited to students who are both prepared and motivated to work at the college level. Students are expected to engage in independent scholarship and critical analysis throughout the year.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year.*

-  **Advanced Composition (Required) – 1009300** **One Semester**  
 This is a writing intensive course that aims to increase students' ability to develop ideas and express them effectively. Students compose expository essays using various modes such as description, illustration, definition, process analysis, comparison and contrast, and argument. Students engage in frequent in-class writing assignments and participate in regular teacher facilitated peer-editing workshops. Students refine mechanics, usage, syntax, and style. In addition, students sharpen their understanding of MLA documentation style in a required research paper.
-  **Humanities I (Required) – 0900310** **One Semester**  
 Humanities I is a roller coaster ride through art, music, literature, and architecture from pre-history to the Renaissance. This course, designed for eleventh and twelfth graders, provides a look at our greatest creative achievements through class discussions, lectures, films, slide presentations, readings, and appropriate hands-on activities pertinent to each unit of study.
-  **Humanities I or II Abroad (Elective) – 0900315** **One Semester**  
 The study of humanities comes alive as students travel abroad during Summer Session! In Humanities I, the study of art, music, literature, and philosophy from ancient Egypt to the Renaissance period will be experienced first-hand on tour through Greece and Italy. Humanities II travels through London, Paris, Normandy and Southern France with an emphasis on the Renaissance through the 20<sup>th</sup> century. These exciting studies are enhanced with pre-trip instruction and course work, lively discussions and educational activities during the trips, and post-trip analysis when we return. Humanities Abroad will satisfy the semester graduation requirement or an elective .5 credit. To receive credit, all study assignments and planned trip activities must be completed. Contact Mrs. Kathy Taylor at ext. 3336. Space is limited.
-  **Speech – (Required) 1007300** **One Semester**  
 This course affords instruction in and application of various techniques of persuasive speaking. The students will be trained in formal logic and will be able to communicate in clearly reasoned, logical, and persuasive modes of speaking. Declamation, oration, and interpretation will also be emphasized in order to train students in verbal fluency. Practice in extemporaneous speaking and impromptu speaking will train students to create organized patterns of thought and communicate them effectively.
-  **Debate I (Elective) – 1007330** **One Semester**  
 Debate I is for high school students to gain basic familiarity with different vehicles for public speaking used in competitive forensics. Focus will be on Student Congress, Extemporaneous Speaking, Original Oratory, Declamation, and Interpretive Events. This course provides a unique vehicle for learning how to become a more polished, informed, and persuasive public speaker.  
*\*Satisfies the speech credit for graduation. This course is a pre-requisite for Debate II Honors.*
-  **Debate I Honors: Lincoln Douglas/Public Forum\* (Elective) – 0007330** **One Semester**  
 Introduction to Lincoln-Douglas and Public Forum Debate is an intensive competition-level preparatory course that will provide a background for both events and will focus on all of the conceptual and strategic attributes that will enable students to compete on a national level in high school debate. The course will focus on research, case construction, rebuttal strategy, in-round story-telling, tutorials on basic philosophy, and a number of critiqued practice rounds. Each grading period will include one debate resolution for each discipline. The process in which the debate team tackles each resolution from topic analysis through debate will be used in an informative and educational setting. *\*This semester-long offering is for all students who are joining the speech and debate team in either Public Forum or Lincoln-Douglas Debate. Students must obtain the instructor's approval to take the course. The fall semester will be for 9<sup>th</sup> graders and/or 1st year team members only. The spring semester will be for 8th grade students who are interested in competing in Lincoln-Douglas Debate or Public Forum debate and have a recommendation from the middle school debate/speech teacher or the upper school debate coach. This course is a prerequisite for any student wishing to compete in Lincoln-Douglas or Public Forum debate. This course satisfies the speech credit for graduation.*
-  **Debate II Honors\* (Elective) - 0007340** **One Semester**  
 For current Lake Highland Speech and Debate Team Members only. This course functions as an additional practice period for tournament preparation. This course requires the approval of Mr. Clemens. Students must have completed one of the following Debate related offerings to enroll: Middle School Introduction to Speech and Debate - Speech Concentration, Middle School Introduction to Speech and Debate - Debate Concentration, Debate I Honors (Introduction to Lincoln-Douglas and Public Forum Debate), or Debate I. This course also has a full year option.
-  **Debate III-V Honors\* (Elective) III - 0007355, IV – 0007365, V - 0007375** **One Year**  
 For Current Lake Highland Speech and Debate Team Members only. This course functions as an additional practice period for tournament preparation. These courses require the approval of Mr. Clemens.
-  **Creative Writing I (Elective) – 1009320** **One Semester**  
 Creative Writing is a writing workshop class. The crafting of fiction and poetry is the primary emphasis, with some coverage of nonfiction, writing for the stage, and songwriting. Contemporary stories and poems will be used as models and points of departure while the analysis of traditional works will enhance understanding of influences, techniques, style and structure. Students work in class toward a full-length story or a portfolio of poems, published at the end of the semester. Special attention is given to providing audience and outside publication opportunities.
-  **The History of the Motion Picture (Elective) – 1005350** **One Semester**  
 From Thomas Edison to Tim Burton, this class will look at the development of movies and their impact on our society. From the earliest footage of the First World War, to the high tech excitement of a Steven Spielberg epic, the motion picture has influenced our lives. From fashion to historic events, we have allowed Hollywood and other motion picture producers to sway our tastes and perspectives. Class members will discuss the symbolism and cultural mores that have developed since the advent of the motion picture. Films will include: the silent classic *Metropolis*; the films of Alfred Hitchcock and Orson Welles; the impact of the realism of James Dean and Marlon Brando; and modern classics such as the Indiana Jones trilogy and *The Matrix*.

 **Logic & Semantics (Elective) – 1004300 -- (Offered in summer only)** **0.5 Credit**

Mathematical and verbal skills necessary for standardized exams are reviewed. Vocabulary drill, reading comprehension and test taking strategies are also covered in this **test prep course**. This course is highly recommended for sophomores, juniors, or seniors who score below a raw score of 55 on math or verbal on the PSAT.

 **Newspaper (Elective) I-1006340, II – 1006350, III – 1006360, IV – 1006370** **One Semester**

The newspaper class provides students with an opportunity to publish a high school newspaper several times during the semester. Class members will practice writing and editing skills as well as learn the basics of newspaper layout. Propaganda and its role in the newspaper will be studied. Interviewing skills are taught as well as the differences between news articles and feature articles. In addition, the class will publish the Upper School literary and art magazine, *By Any Other Name*. Opportunities will be provided for both photographers and cartoonists. *Students may choose to enroll for a full year.*


 **Shakespeare I Honors (Elective) – 1005340** **Fall Semester**

This semester course will investigate four Shakespeare plays (comedy, history, tragedy), which are not taught as a part of the regular LHPS curriculum. The background of the Elizabethan age and theater will also be discussed. Students will read and then analyze the plays through class discussion, interpretive papers, creative projects and performance. Ongoing correspondence with the Globe Theatre's "Adopt an Actor" program, as well as the analysis of live performances are other components of this offering. This is a weighted course and will require a significant amount of writing and independent reading.


 **Shakespeare II Honors (Elective) – 1005345** **Spring Semester**

This semester course will investigate four Shakespeare plays (comedy, history, tragedy), which are not taught as a part of the regular LHPS curriculum. The background of the Elizabethan age and theater will also be discussed. Students will read and then analyze the plays through class discussion, interpretive papers, creative projects and performance. Ongoing correspondence with the Globe Theatre's "Adopt an Actor" program, as well as the analysis of live performances are other components of this offering. This is a weighted course and will require a significant amount of writing and independent reading. This course differs from Shakespeare I Honors in the works studied.

**\*May be taken prior to Shakespeare I Honors.\***

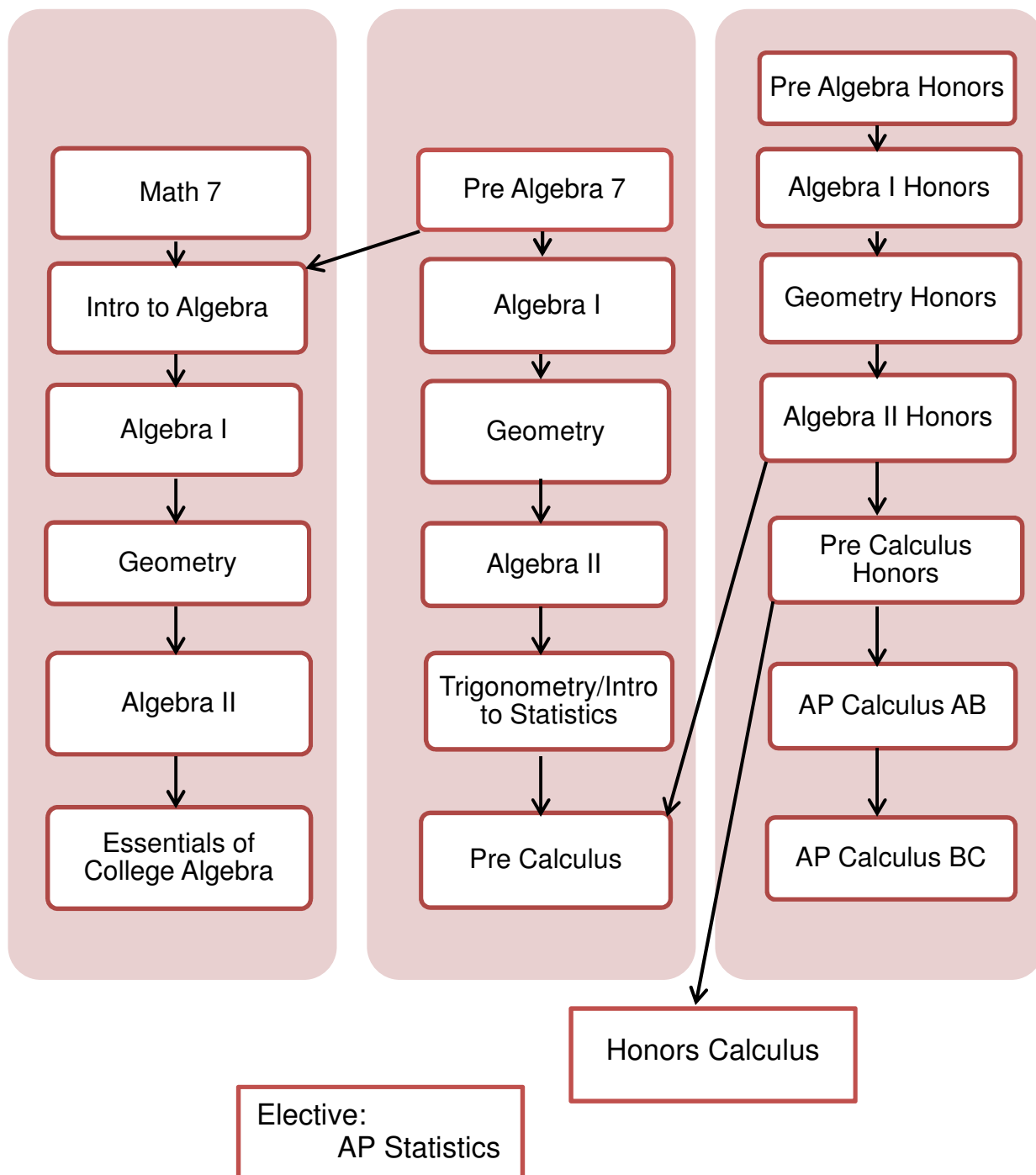
 **Themes in Contemporary Literature (Elective) – I-1005330, II-1005335** **One Semester**

In Themes in Contemporary Literature students move to a higher level of literary analysis while personally responding to literature. Students will read and discuss works of contemporary authors in many genres whose writings reflect the characters, problems, and values of modern culture. Students in this class will read both teacher-chosen and student-selected literature as a way to personally and critically engage in the world around them. The course combines collaborative work and Socratic discussion. Lively personal student responses to literature will lead participants to a more sophisticated interpretation of their reading. Reading selections will change from year to year. Students wishing to take the course for a second year should register for Themes in Contemporary Literature II. This course is recommended for students who enjoy the reading and discussion of fiction.

 **Yearbook I, II, III, IV (Elective) I – 1006300, II – 1006310, III – 1006320, IV – 1006330** **One Year**

The purpose of this class is to produce the school's yearbook and, while doing so, develop the skills of desktop publishing, photography, journalistic writing, and business management. Students will also become adept in the areas of editing, proof reading, layout design, and time management. The class will require after-school hours. Yearbook is open to freshmen, sophomores, juniors and seniors. Students new to yearbook at LHP must submit an application and a teacher recommendation. See Ms. Bork, Yearbook Sponsor.

# Math Continuum of Courses (Grades 7-12)



VARIATIONS IN THIS PROGRESSION MAY OCCUR. PLEASE SEE YOUR MATH TEACHER OR THE DEPARTMENT CHAIR FOR ADDITIONAL INFORMATION.

# Mathematics

General prerequisites for all honors courses 9<sup>th</sup> – 12<sup>th</sup>:

1. 95% or better in previous year's college prep course or "B" or better in previous honors course.
2. Stanines of 8 or above (national norm) on CTP4 for 9th grade courses; a raw score of 50 or above on the PSAT for high school courses.
3. Teacher and/or counselor recommendation.
4. Students desiring to move from college prep level courses to honors must pass a placement test with 80% or better. Students should arrange placement test with their current math teacher prior to the appeals deadline.
5. Additionally, students new to LHPS who wish to take honors level math courses, will be required to score 80% or higher on a math placement test. (Placement tests may be arranged through your guidance counselor.)

Advanced Placement course prerequisites are on page 33.

The TI NSPIRE CX calculator is required for all high school math courses.

## Algebra I - 1200310

One Year

Algebra I is designed to provide the foundation for more advanced mathematics courses and to develop problem-solving skills. Topics include, but are not limited to, variables, structure and properties of the real number system, first-degree equations and inequalities, relations, functions, graphs, systems of linear equations and inequalities, polynomials, integer exponents, rational expressions, irrational numbers, radical expressions, quadratic equations, and year-long work on problem solving. Students making below a "C" for either semester must retake the entire course. Students making a "C" are highly recommended to repeat the course.

## Geometry - 1206310

One Year

This course is designed to foster development of deductive thinking skills utilizing geometric proofs as a vehicle. Topics include, but are not limited to, logic and reasoning, Euclidean geometry of lines, planes, angles, triangles, similarity, congruence, geometric inequalities, polygons, circles, area and volume, and geometric constructions. Students will be completing formal proofs throughout the course. Extensive review of Algebra I concepts will be included on a regular basis.

## Geometry Honors\* - 1206320

One Year

This course provides a rigorous, in-depth study of geometry with emphasis on methods of proof and the formal language of mathematics. Topics will include, but are not limited to, structure of geometry, separation properties, angle concepts, triangles, quadrilaterals, proofs, perpendicularity and parallelism in a plane and in space, similar polygons, circles and spheres, constructions, area and volume, coordinate geometry, and transformational geometry.

*\*See prerequisites.*

## Algebra II – 1200330

One Year

This course is designed to continue the study of the structure of algebra and to provide the foundations for application of these skills to other scientific and mathematical fields. Topics will include, but not be limited to, the review and extension of the structure and properties of the real number system, relations, functions, graphs, polynomials, rational expressions, quadratic equations and inequalities, rational and irrational exponents, logarithms and exponential equations and complex numbers. Emphasis will be placed on problem-solving techniques and strategies.

## Algebra II Honors\* - 1200340

One Year

This course provides a rigorous, in-depth study of the topics of Algebra II with emphasis on proof, theory, development of formulas, and application. Topics include, but are not limited to, algebraic structure, equations in more than one variable, systems and inequalities, functions and relations, polynomials and expressions, complex numbers, logarithms, conic sections, sequence and series, probability, matrices, trigonometry and topics in pre-calculus.

*\*Prerequisites: B or better in honors math and 55 or better on the math and verbal portions of the PSAT. Or, 95% or better in non-honors math, with a 55 or better on the math and verbal portions of the PSAT, and a score of 80% or higher on a placement test.*

## Intro to Statistics (Elective) – 1210300

One Semester

This course is designed to follow Algebra II. The purpose of this introductory course is to enable students to develop and apply knowledge of statistics. Collection and analysis of data will also be critical to this course. Topics will include, but are not limited to, measures of central tendencies, measures of variance, graphing distributions, normal distributions, correlation and regression, and sampling and experiments.

## Trigonometry\* (Elective) – 0000301

One Semester

This course is designed to study the topics of trigonometry. It will provide students with an understanding of circular and trigonometric functions and their applications. Topics include, but are not limited to, trigonometric identities, graphs of trigonometric functions, circular functions and their inverses, solving trigonometric equations and vectors.

*\* Prerequisite: Algebra II.*

**Essentials of College Algebra (Elective) – 1200700****One Year**

This course is designed for students who have completed both Geometry and Algebra II and will benefit from extended and in-depth understanding of math topics. The content will include, but is not limited to the following: fundamental concepts of Algebra, Equations and Inequalities, Functions and Graphs, Polynomial and Rational Functions, Exponential and Logarithmic Functions, Systems of Equations and Inequalities, Matrices, Conic Sections and Trigonometry.

**Pre-calculus\* (Elective) – 0000335****One Year**

This course is designed to enable students to develop concepts and skills in advanced algebra, analytic geometry, and trigonometry. Topics will include, but not be limited to, trigonometric identities and equations, vectors and parametric equations, complex number system, polar coordinate system, sequences and series, concept of limit, conic sections, polynomial, rational, exponential and logarithmic functions, and matrix algebra.

*\*Prerequisites: Departmental approval required.*

**Pre-calculus Honors\* (Elective) – 1202340****One Year**

This is an advanced course in mathematics that will prepare the student for calculus. Topics will include, but are not limited to, lines, circles, translation of axes, polynomial, rational, inverse, exponential, logarithmic, and trigonometric functions, analytic trigonometry, vectors, parametric equations, polar coordinates, complex numbers, and conic sections, limits, and the concept of the derivative.

*\*Prerequisites: B+ or better in Algebra II Honors and 550 or better on SAT math or a raw score of 55 or better on PSAT math.*

**Calculus I Honors\* (Elective) – 1202300****One Year**

This course is designed to begin the study of calculus, providing a basis for further study of more advanced mathematics and to develop the skills needed to solve problems in advanced science courses. Topics will include, but are not limited to, finding derivatives of algebraic and logarithmic functions and their inverses, differentiability and continuity, applying derivatives to find the slope of a curve and tangent and normal lines to a curve, identifying increasing and decreasing functions, maximums and minimums, concavity and point of inflection, anti-derivatives, integration and definite integrals, finding the area between curves, and finding the volume of a solid revolution.

*\*Prerequisites: B or better in pre-calculus and 600 or better on SAT math or a raw score of 60 or better on PSAT math.*

**AP Calculus (AB)\* (Elective) – 1202310****One Year**

This college level course is designed to begin the study of calculus, providing a basis for further study of more advanced mathematics and to develop the skills needed to solve problems in advanced science courses. The pace, rigor, and content is dictated by AP exam standards. Topics will include, but are not limited to, finding derivatives of algebraic and logarithmic functions and their inverses, differentiability and continuity, applying derivatives to find the slope of a curve and tangent and normal lines to a curve, identifying increasing and decreasing functions, maximums and minimums, concavity and point of inflection, anti-derivatives, integration and definite integrals, finding the area between curves, and finding the volume of a solid revolution.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year.*

**AP Calculus (BC)\* (Elective) – 1202320****One Year**

This course is a continuation of AP Calculus (AB). It pursues in-depth topics introduced in AP Calculus AB and expands these topics to develop new concepts of calculus applications.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year.*

**AP Statistics\* (Elective) – 1210320****One Year**

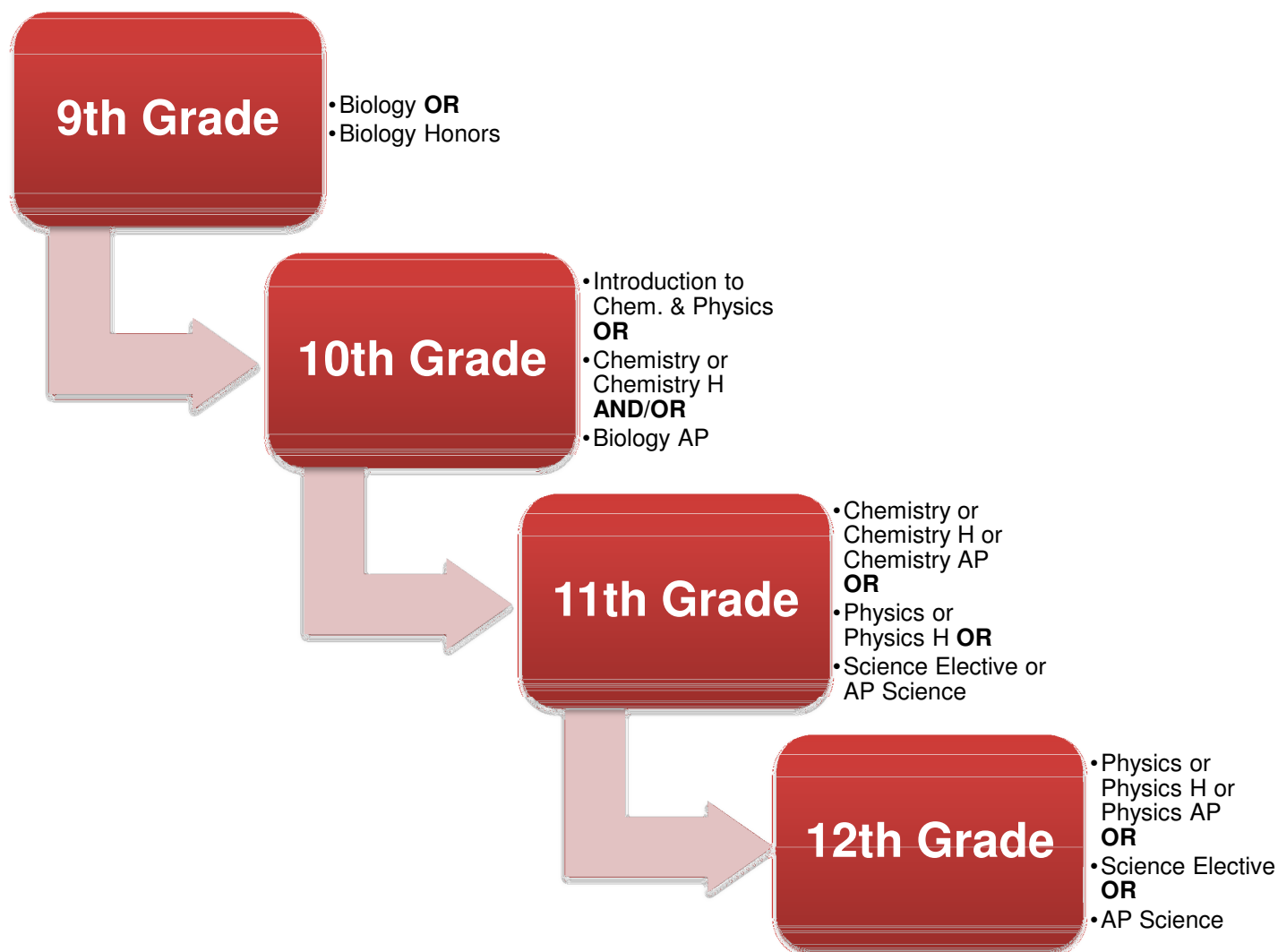
This course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns and statistical inference.

*\*See prerequisites on page 33 & 34. Students are expected to take the Advanced Placement exam at the end of the year.*

**Logic & Semantics (Elective) – 1004300 (Offered in summer only)****0.5 Credit**

Mathematical and verbal skills necessary for standardized exams are reviewed. Vocabulary drill, reading comprehension and test taking strategies are also covered in this preparatory course. This course is highly recommended for sophomores, juniors, or seniors who score below a raw score of 55 on math or verbal on the PSAT.

# Science Continuum of Courses



Placement in college prep, honors, or AP levels is contingent upon prerequisites:

- ✓ Grade in previous course
- ✓ Math level
- ✓ Standardized test scores

See Page 33 and science department page 17 for specific prerequisites.

Four science courses are required for graduation:

- ✓ Biology
- ✓ Chemistry
- ✓ Two additional science courses
- ✓ Physics is highly recommended.

Note: Some AP courses include an additional lab period.

# Science

## General prerequisites for all honors courses 9<sup>th</sup> – 12<sup>th</sup>:

1. “A” in previous year’s college prep course or “B” or better in previous honors course.
2. Stanines of 8 or above (national norm) on CTP4 for 9th grade courses; a raw score of 45 or above on the PSAT for 10th grade courses and 50 or above for 11th and 12th grade courses.
3. Teacher and/or counselor recommendation.

## Advanced Placement course prerequisites are on page 33.

### **Biology – 2000310** **One Year**

The purpose of this course is to provide students with general exploratory experiences and activities in the fundamental concepts of life. Topics include, but are not limited to, scientific method, measurement, lab safety, cell biology and reproduction, basic principles of genetics, biological changes through time, classification and taxonomy, microbiology, structure and function of plants, animals, and humans, and ecological relationships. Hands-on laboratory experiences will be used to reinforce the biological concepts.

### **Biology Honors\* - 2000320** **One Year**

Biology Honors is an in-depth course in biological concepts that apply to all living systems. It covers all the subjects included in college prep biology. Additional emphasis is placed on molecular biology and on skill development that encourages students to think critically and to develop a well-designed, experimentally correct science fair project. Hands-on laboratory activities will be a major component of this course.

*\*See prerequisites.*

### **AP Biology\* (Elective) - 2000340** **One Year** (This course requires two class periods.)

AP Biology will be an in-depth study at the college level, which includes an additional lab period. This course provides a study of the facts, principles, and processes of biology and is designed to prepare students to take the AP Biology exam for college credit. Course topics include, but are not limited to, chemical composition of organisms, cell infrastructure and functions, enzymes, respiration and photosynthesis, cell division, principles of genetics, structure and functions of plants and animals, theories of the origin of life, and principles of ecology. Instruction will focus on inquiry-based learning of essential concepts and development of the reasoning skills necessary to engage in the science practices used throughout the scientific community. Upcoming ninth graders may be invited to take AP Biology, but first must complete the Pre-AP Biology Summer Institute and receive the instructor’s approval. Eighth graders will be invited based on the following: standardized test scores, teacher recommendation, an “A” in both eighth grade honors science and an “A” in Algebra I or higher level math. No more than 10% of the eighth grade class will be invited in any particular school year.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year.*

### **Introduction to Chemistry & Physics\* (Elective) - 2003310** **One Year**

The purpose of this integrated course is to develop the analytical skills, quantitative skills and background knowledge necessary to build a solid conceptual foundation for chemistry and physics. Students will integrate the concepts, theories and applications associated with physics and chemistry providing them a more complex level of understanding necessary for Chemistry in eleventh grade. The following key questions and topics will be explored: the nature of science, the nature of matter, electricity, the periodic table, bonding, chemical formulas and equations, stoichiometry, energy, force and motion, and thermal concepts. Labs and appropriate technology will be utilized throughout the year.

Emphasis will be placed on problem solving skills, applying mathematics to scientific data, current topics in scientific fields and interpretation of data in illustrations, data tables, charts, scatter plots and diagrams. Scientific investigation, technical writing, scientific reading, and critical thinking will play key roles in this important foundation course.

*\*Prerequisite: Completion of Biology and Algebra I.*

### **Chemistry\* – 2003340** **One Year**

The purpose of this course is to study the composition, properties, and changes associated with matter and their applications. The content should include, but not be limited to, the following: the nature of science, matter classifications, atomic theory, the periodic table, bonding, chemical formulas, chemical equations, stoichiometry, acids and bases, and behavior of gases. Emphasis will be placed on mathematical analysis, problem solving, laboratory activities and report writing, critical thinking and data analysis.

*\*Prerequisite: Completion of Biology and current enrollment in Algebra II or higher.*

### **Chemistry Honors\* - 2003350** **One Year**

Honors chemistry introduces students to an in-depth study of matter, energy, periodicity, quantum mechanics, equilibrium, and thermodynamics. Laboratory exercises utilizing the appropriate technology will be incorporated throughout the year. The course is structured by modules and is sequenced as follows: Matter and Energy, Phases of Matter, Structure of Matter and Periodicity, Quantum Mechanics and Bonding, Chemical Reactions and Equilibrium, and Thermodynamics. Honors students will be challenged with an increased pace, mathematical analysis, and concept depth.


*\*Prerequisite: Completion of Biology and completion of or current enrollment in Algebra II Honors.*

-  **AP Chemistry\* (Elective) – 2003370** **One Year**  
**(This course requires two class periods.)**
- The Advanced Placement course is designed to follow the syllabus of a first year college chemistry course for chemistry majors. It covers chemical principles with a strong problem-solving orientation and prepares students to take the AP Chemistry exam. **Appropriate laboratory experiments will be included in a separate lab period.** Students taking AP Chemistry without first taking Honors Chemistry must take the Pre-AP Chemistry Summer Institute and receive the instructor's approval.  
*\*Prerequisite: Chemistry Honors and prerequisites on page 33.*  
*Students are expected to take the Advanced Placement exam at the end of the year.*
-  **Physics\* (Elective) – 2003380** **One Year**
- This course, open to eleventh and twelfth graders, provides students with an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. Topics include, but are not limited to, kinetics, dynamics, energy, electricity, and work and power. Laboratory activities will be included with emphasis on analysis of data and formal report writing. Mathematical analysis and problem solving skills will be strongly emphasized.  
*\*Prerequisites: "B" or better in Chemistry and Algebra II.*
-  **Physics Honors\* (Elective) – 2003390** **One Year**
- This course provides students with an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. It challenges students to incorporate critical thinking and problem solving skills. Topics include, but are not limited to, kinetics, dynamics, energy, work and power, heat and thermodynamics, wave properties, light, sound electricity, and magnetism.  
*\*Prerequisites: B or better in previous year's math course and Chemistry Honors; completed or enrolled in Pre-calculus Honors or higher math.*
-  **AP Physics B\* (Elective) – 2003420** **One Year**  
**(This course will be taught in one class period.)**
- The Physics B course provides a systematic introduction to the main principles of physics and emphasizes the development of problem-solving ability. It is assumed that the student is familiar with algebra and trigonometry. Physics B provides a foundation in physics for students in the life sciences, pre medicine, and some applied sciences, as well as other fields not directly related to science.  
*\*Prerequisites: Must complete Physics Honors with a "B" or better to enroll. Students wishing to move directly from AP Chemistry to AP Physics must obtain both a teacher recommendation and approval of the upper school director and successfully complete an accredited Honors Physics summer course with a "B" or better. See additional prerequisites on page 33 & 34. Students are expected to take the Advanced Placement exam at the end of the year.*
-  **Anatomy & Physiology Honors\* (Elective) - 2000360** **One Year**
- Anatomy is the branch of science that deals with the structure of body parts, forms and arrangements. Anatomists observe body parts grossly and microscopically and describe them as accurately and in as much detail as possible. Physiology is concerned with the functions of body parts: what they do and how they do it. Throughout the course, explanations of normal structure and function are supplemented by discussion of related disease processes. Laboratory experiments will be included with an emphasis on comparative anatomy dissections.  
*\*Prerequisites: "A" in both Biology and Chemistry or a "B" or better in both Honors Biology and Honors Chemistry.*
-  **Forensics Science Honors\* (Elective) - 2002485** **One Semester**
- Starting with crime scene investigation, this course will explore the various scientific tools used to assemble information and solve crime. Laboratory investigations, evidence analysis, and class discussions will be used to cover the following topics: crime scene investigation, evidence collection, fingerprints, casts and impressions, DNA, blood spatter, and hair/fiber identification.  
*This course cannot be used to meet credit requirements for Bright Futures Scholarship Award Level.*  
*\*Prerequisites: Completion of Biology and Chemistry in addition to honors prerequisites listed on Page 17.*
-  **Environmental Science\* (Elective) – 2001345 Honors Option - 2002415** **One Semester**
- This course offers an overview of topics and disciplines needed to understand the environmental issues and challenges of today's world. The course will integrate aspects of biology, earth science, and policy. Specific topics will include, but are not limited to, a survey of current environmental issues, including global warming, ozone depletion, degradation of ground water quality, declining biodiversity, deforestation and conservation policy, human population growth, energy, pollution and sustainability. Laboratory work and field work is part of this offering. Students interested in the honors level course will experience the same in class and field activities as the college preparatory students. They will also complete independent study projects each quarter and an additional stewardship project approved by the instructor.  
*\*Prerequisite: Completion of Biology and Chemistry.*
-  **AP Environmental Science\* (Elective) - 2001380** **One Year**
- Advanced Placement Environmental Science is designed to be the equivalent of an introductory college course in Environmental Science. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.  
*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year.*

 **Marine Biology\* (Elective) - 2002500 Honors Option - 2002510** **One Semester**


Marine Biology is a detailed study of the physical, chemical, and organic features of the world's oceans. There is a growing awareness and concern about the importance of the world's oceans as a source of food, as reservoirs of minerals and energies, as a supplier of oxygen and climate regulation, and as a convenient location for disposal of human and industrial wastes. This course is designed to develop awareness about the essential importance of this vast yet finite resource. The content shall include: physical oceanography, meteorology, marine communities, major marine phyla and divisions, marine ecology, and man's interrelationship with the ocean. Laboratory work and field research are part of this offering. Students interested in the honors level course will experience the same in class and field activities as the college prep students. They will also have independent study projects which will include a power point presentation of an approved topic and an additional stewardship project approved by the teacher.

*\*Prerequisites: Completion of Biology and Chemistry.*

 **Advanced Marine Research\* (Elective) – 2002510R** **0.5 Credit**  
**(Offered summers only.)**

Advanced Marine Research gives students the opportunity to interact with field researchers who will instruct them on and allow them to participate in marine investigations in the Florida Keys. The course is a three week session in which two weeks will be spent in classroom instruction at LHPS and one week will be dedicated to field work at a research facility in the Keys. Students will be conducting their own research, collecting data, analyzing lab-based instruction, and participating in ongoing projects at the facility. Classroom and lab instruction will include topics such as marine ecology, marine wildlife, reef ecosystems, mangrove habits, oceanography, marine chemistry and marine geology. All students will also be required to participate in various environmental/stewardship programs, i.e. wildlife rescues or beach clean-ups. At the conclusion of the course, all participants will have completed a thorough research project (individual or team) which can be used at Science Fair and/or Symposiums.


*\*Prerequisites: Comfortable snorkeling and swimming abilities.*

 **Engineering: Design the Future - Honors\* (Elective) - 0200350** **One Semester**

This course focuses on the fundamentals of modern engineering and technology in the information and communication age. Students will gain understanding of how modern engineers problem-solve and design using math, science and ingenuity. In addition, students will be exposed to new and relevant applications of mathematics, science and technology to important engineering problems and challenges of the day while developing a deeper and broader set of technology skills. Students will become familiar with a variety of current and future career opportunities in engineering related fields and the excitement and creativity of the engineering design process. Besides learning the fundamentals of circuits, students will learn the ideas of digital electronics and robotics, culminating in the designing and testing of simulations of electronic systems.

*This course cannot be used to meet credit requirements for Bright Futures Scholarship Award Level.*

*\*Prerequisites: Completion of Biology and Chemistry in addition to honors prerequisites listed on Page 17.*

 **Advanced Research Honors\* (ASPIRE) (Elective) -** **One Year**  
**I-1700300, II-1700310, III-1700320, IV-1700330**

This course is designed to promote advanced research experiences for those science students who are willing to commit to the required extra time and effort which in-depth research entails. It is directed toward students who have excelled in the areas of science, mathematics and computers. This course is open to application by students from 9<sup>th</sup> – 12<sup>th</sup> grades, but is specifically directed toward highly motivated science students. Students must be prepared to work a minimum of three hours per week in a research laboratory off campus and provide transportation to the site. The goal for each student accepted into the program is to find an appropriate expert mentor to guide the student through an advanced research problem in a professional laboratory setting. The student will be under the supervision of a science teacher at LHPS, who will assist in placement of the student, follow up with on-site visitations and monitor research progress and student dedication. The students interested in participating in this course will go through a selective interview process with an LHP Science Faculty Committee to determine eligibility. Throughout the research, the supervisor will guide the student through the writing of a research report, which is designed to show in-depth knowledge of the field, document the research process and analyze the results of the process appropriately. This report should be suitable for competition at local, state and international science competitions. Additionally, students will be guided to participate in national science scholarship competitions and to submit samples of their research to highly selective colleges.

*This course cannot be used to meet credit requirements for Bright Futures Scholarship Award Level.*


*\*Student must be nominated and/or submit an application and be accepted by the LHP ASPIRE committee. Students should have a "B" or better in previous science/math/computer courses.*

# Social Studies


## General prerequisites for all honors courses 9<sup>th</sup> – 12<sup>th</sup>:

1. “A” in previous year’s college prep course or “B” or better in previous honors course.
2. Stanines of 8 or above (national norm) on CTP4 for 9th grade courses; a raw score of 45 or above on the PSAT for 10th grade courses and 50 or above for 11th and 12th grade courses.
3. Teacher and/or counselor recommendation.

## Advanced Placement course prerequisites are on page 33.


 **World History - 2109310** **One Year**

World History is a survey course which begins with the early civilizations and carries through to the 20<sup>th</sup> century. Themes for the course include the Classical Period, the Middle Ages, Renaissance and the Reformation; as well as more modern topics including the Industrial Age, Imperialism, and the World Wars.

 **World History Honors\* - 2109320** **One Year**

World History Honors will cover the same time periods as World History. However, more intensive historical analysis will be required. Students will utilize primary and secondary sources and be required to do outside reading and book reviews. Students can expect to write from three to four critical essays per quarter. The purpose of this course is to instill a critical approach to the understanding and appreciation of history. Furthermore, this course will prepare students who wish to continue high-level historical analysis to go on to AP level programs in history and literature.


*\*See prerequisites.*

 **AP World History – 2109420** **One Year**


This rigorous world history course is for the highly motivated student and is designed to cover information, skills, and assignments found in the corresponding college world history course. It guides students through the steps a historian would take in analyzing historical events and evidence worldwide. These understandings are advanced through a combination of factual knowledge and analytical skills. AP World History offers balanced global coverage with Africa, the Americas, Asia, Europe and Oceania all represented. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Students will be taught to analyze the processes and causes involved in these continuities and changes spanning from 8000 B.C. to the present. High level analysis of historical periods, themes and civilizations is expected. Constructing arguments, using documents and primary data, interpretation and analysis connecting patterns and commonalities between global and local processes and developments are addressed. A fast paced reading and writing schedule is demanded along with additional time for independent writing, reading and study.

NOTE: For ninth grade only. Ninth graders are limited to one AP course.

*\*See prerequisites on page 33 & 34. Students are expected to take the Advanced Placement exam at the end of the year.*


 **United States History - 2100310** **One Year**

This tenth grade course provides an in-depth study of United States history. The course will begin with an overview of exploration of the New World and colonial America. The main emphasis of the course will cover the American Revolution, early U.S. domestic and foreign policy, the Civil War and Reconstruction, Imperialism, American involvement in the World Wars, the Cold War, civil rights, and Vietnam to the present. Students will have the opportunity to investigate and analyze these major historical events, thus developing the understanding and perspective needed for effective citizenship and leadership for the future.

 **United States History Honors\* - 2100320** **One Year**


United States History Honors will give the student added parameters of study in addition to those included in U.S. History. Primary and secondary source readings will be required, as will critical reviews of assigned readings. Map skills as applied to historical data will also be stressed. The course will require more critical reading and writing and class discussions/projects on the cause-effect nature of history. Outside reading and critical reviews are required each semester.

*\*See prerequisites.*

 **AP United States History\* - 2100330** **One Year**

This elective, available to academically talented students, provides the opportunity to develop analytical skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historic development. Studies focus on persistent themes and changes in history and apply historic reasoning to seek solutions to contemporary problems. Students enrolled are expected to read widely, research thoroughly, and write often.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year.*

 **American Government Honors\* (Elective) - 2106320** **One Semester**

This honors course is designed to familiarize students with the government of the United States through the study of the Constitution and its application to a federal system of government, elections, political parties, interest groups and the media. Emphasis is placed on the separation of powers among the congress, the presidency and the judiciary. This course provides challenging content and advanced knowledge and understanding of the government of the United States.

*\*See prerequisites. For juniors and seniors only.*

 **AP European History\* (Elective) - 2109380****One Year**


Advanced Placement European History is a college level course. The course covers European history from the late Middle Ages to the present. Major themes include European exploration, the Renaissance and Reformation, National and Industrial Revolutions, Imperialism, and the World Wars. The course will specifically emphasize analytical thinking and the development of essay writing skills with special emphasis on document study.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year. For juniors and seniors only.*

 **AP Macroeconomics\* (Elective) 2102370****One Semester**


This one semester course will give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Emphasis is on the study of national income and price level determination, economic performance measures, the financial sector, stabilization policies, economic growth and international economics. Additionally, the study of various economic systems, the business cycle, monetary policy, the role of government in the marketplace, supply and demand, free market economy, and other macroeconomic principles will be highlighted. Students will learn the skills necessary to perform economic analyses of macroeconomic concepts through the use of graphs and algebraic equations. The framework for the course is built upon recommendations from the National Council on Economic Education and is designed to prepare students for the Advanced Placement Macroeconomic exam.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam in May. For juniors and seniors only. Priority will go to seniors.*

 **AP Microeconomics\* (Elective) – 2102360****One Semester**

This one semester AP course in Microeconomics provides a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. The course is divided into five major areas: basic economic concepts, the nature and function of product markets, theory of the firm, factor markets, and the role of government. Students are expected to know the material and be able to apply the concepts to a variety of real and simulated situations. Lecture and discussion are followed by practice problems and activities that require application of the concepts. Students are frequently required to construct graphs and explain them to the class to demonstrate their understanding. This course will utilize mathematical concepts learned in Algebra, therefore a firm foundation and thorough understanding of Algebra is required in order to apply the concepts to real-world economic models. All major tests and most quizzes include both multiple choice questions and free response questions.

*\*Prerequisites: AP Macroeconomics and those listed on Page 33. Students are expected to take the Advanced Placement exam at the end of the year. For juniors and seniors only. Priority will go to seniors. Second semester only.*

 **AP Psychology\* (Elective) - 2107350****One Year**

This college level course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. What compels us to act? How does memory work? What happens when someone is "mentally ill"? How can he or she be helped back to health? How do humans develop cognitively and emotionally? How are fears created? How was my self-concept developed? What is the interplay between thought and behavior? Does my brain control me, or do I control it? How much of "me" was determined genetically at birth and how much was acquired by experience and learning? Do I have freedom and control of my behavior or does my psyche control me? How much am I in charge of my life? These and many other fascinating questions will frame the subject matter of this course. Critical thinking and clear, concise writing demonstrating knowledge of psychological concepts will be emphasized.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year. For seniors only.*

 **AP U.S. Government/Politics\* (Elective) – 2106420****One Semester**

This course is designed to prepare students to successfully pass the Advanced Placement exam in American Government. The course covers the fundamental institutions of the American Government process. Emphasis is placed upon how policies are implemented into law. Additionally, students will evaluate current policy issues in contemporary America with the objective of developing an understanding of the complexity of balancing multiple interests in our pluralistic society.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year. For juniors and seniors only. Priority will go to seniors.*


 **Comparative Religions (Elective) – 2105310****One Semester**

Through the study of world religions, students acquire an understanding of the way people in different cultures satisfy their spiritual needs. Students will examine the central belief systems, texts, traditions, and practices of the major living religions. Starting from an in-depth examination of Christianity and its beliefs, the students will then go on to examine such other religious traditions as Buddhism, Confucianism, Hinduism, Islam, and Judaism. Students will gain an understanding of religion in culture and the relationship between religion and other social institutions.

 **East Asian Studies Honors\* (Elective) - 2109345****One Semester**

This course highlights the geography and regional differences of China, Japan and Korea, including their philosophical and political systems, and East Asia's role in the world today. Students will examine the history of East Asia and how the past is influencing the present. Emphasis will be placed on arts, religion, politics and economy. Research and writing are integral requirements of this class, providing students the opportunity to explore chosen topics in depth. At least one field experience highlighting the course content will enrich understanding.

*\*For juniors and seniors only. This course is offered in alternating years. Next offered in 2013-2014.*

 **Economics Honors\* (Elective) - 2102320****One Semester**

Economics is the study of how choices are made. In the first nine weeks, students will focus on microeconomics. Students will gain an understanding of the principles of economics and how they apply to decisions made by individuals and businesses. Primary emphasis is on the nature and function of product markets, competition between firms and the role of prices. In the second nine weeks, students will turn their focus to macroeconomics, applying the principles of economics to the economic system as a whole. Emphasis will be placed on measuring the economic health of a country, the government's role in the economy and international economics. Students are required to participate in the Florida Stock Market Challenge during this course.

*\*See prerequisites. For juniors and seniors only.*

 **International Relations Honors (Elective) - 2106445****One Semester**

This honors course is designed to familiarize students with the theories of international relations. This course will begin with an overview of international relations and its history, beginning with the Peace of Westphalia of 1648. Analysis and evaluation of the main theories of international relations will include but not be limited to realism, idealism, Marxism, dependency theory, constructivism and feminism. The first nine weeks of the course will focus on what IR is and the history of its development as a field of study and analyses. In the second nine weeks student will apply their knowledge of IR to real life international issues, including but not limited to, the Israeli Palestinian question, United States and China relations, a nuclear Iran, Pakistan and Afghanistan and North Korea and the Six Party Talks. A final project will include a diagnostic paper on a subject of the student's choice using theories and analogies study in this course.

*\*For juniors and seniors only.*

 **New Testament Survey (Elective) - 0900410****One Semester**

The purpose of this course is to introduce the student to the background and literature of the New Testament. After a background study of the historical and cultural factors of the inter-biblical period and of pertinent political and geographical factors, the remainder of the course is devoted to a book-by-book study, including introductory matters for each book and a content summary.

*This course cannot be used to meet credit requirements for Bright Futures Scholarship Award Level.*

 **Old Testament Survey (Elective) - 0900400****One Semester**

The purpose of this course is to provide a basic introduction to the study of the Old Testament. The emphasis is on a book-by-book survey examining the historical, geographical and social backgrounds of each book, and investigating significant issues in the biblical texts.

*This course cannot be used to meet credit requirements for Bright Futures Scholarship Award Level.*

 **Psychology I Honors\* (Elective) – 2107305****One Semester**

Through the study of psychology, students acquire an understanding of and an appreciation for human behavior, behavior interaction and the progressive development of individuals. This course will better prepare them to understand their own behavior and the behavior of others. The content of this course will cover but not be limited to major theories and orientations of psychology, psychological methodology and statistics, memory and cognition, human growth and development, personality, abnormal behavior, therapy, and social psychology. Critical thinking, research, and writing will be important components of this semester course.

*\*For seniors only.*

 **War and Revolution in the 20<sup>th</sup> Century Honors\* (Elective) - 2109355****One Semester**

The major events of the 20<sup>th</sup> century will be felt for generations to come. In order to understand the current and future direction of the world, it is important to reflect on this century's seminal events and their lasting impact. This course will focus on analysis of the 20<sup>th</sup> century's conflicts: World War I, the Russian Revolution, the Rise of Fascism, the Great Depression, World War II, the Cold War, the Chinese Revolution, the end of Colonialism and the Rise of the Third World, European unification, and the collapse of the Soviet Union. Transcending traditional textbook treatment of history, the course will use interpretive essays to present the facts about each event and to consider the immediate and far-reaching ramifications. Through this unique approach, students will have the opportunity to explore each event in detail. Student writing and research will be an important part of the course experience allowing each student to gain in-depth expertise in a chosen course-related topic or issue.

*\*For juniors and seniors only. This course is offered in alternating years. Next offered in 2012-2013.*

# Foreign Language

Foreign Language Level III or higher requires 85% or higher in previous Foreign Language course, conceptual understanding of tense and sentence structure, fluency in vocabulary and verb usage, and teacher recommendation.

General prerequisites for all honors courses 9<sup>th</sup> – 12<sup>th</sup>:

1. “A” in previous year’s college prep course or “B” or better in previous honors course.
2. Stanines of 8 or above (national norm) on CTP4 for 9th grade courses; a raw score of 45 or above on the PSAT for 10th grade courses and 50 or above for 11th and 12th grade courses.
3. Teacher recommendation.
4. Students desiring to move from college prep level courses to honors must pass a placement test with 80% or better. Students should arrange placement test with their current foreign language teacher prior to the appeals deadline.
5. Additionally, students new to LHPS who wish to take honors level foreign language courses, will be required to score 80% or higher on a foreign language placement test. (Placement tests may be arranged through your guidance counselor.)

Advanced Placement course prerequisites are on page 33.

## French

### French I – 0701320

One Year

The purpose of this course is to introduce students to the French language and its culture. Students also start developing communicative proficiency and cross-cultural understanding. Emphasis is placed on listening and speaking skills through the use of a variety of activities, projects and technology. Fundamentals in grammar and vocabulary are introduced by using the skills of writing, reading, speaking and listening.

### French II – 0701330

One Year

The purpose of this course is to continue to develop proficiency in speaking, reading, writing and listening acquired in French I. The continued study of culture is also emphasized through discussions, readings, and use of the Internet. Conversational skills are practiced while the introduction of new verb tenses enhances the students’ speaking skills. Technology and language lab experiences support the goals of this course.

### French II Honors\* - 0701335

One Year

The purpose of this course is to continue to develop proficiency in speaking, reading, writing, and listening acquired in French I. The continued study of culture is also emphasized through discussions, readings and use of the internet. Conversational skills are practiced while the introduction of new verb tenses enhances the students’ speaking skills. Technology and language lab experiences support the goals of this course. Students signing up for the honors option will complete extension activities such as additional dialogues, exercises, presentations and projects. Ability to work independently and the timely submission of all honors projects are mandatory for honors credit.

*\*See prerequisites.*

### French III\* (Elective) – 0701345

One Year

This intermediate course will continue to expose students to more complex language structures and provide ample practice to refine students’ reading, writing, listening and speaking skills. Students’ preparation will involve those skills needed for business, travel and other real life situations. This course is taught in French and is intended for those students who do not plan to continue to AP French.

*\*See prerequisites.*

### French III Honors\* (Elective) - 0701340

One Year

The purpose of this honors level course is to continue to develop proficiency based on the skills acquired in French I and II. French countries and cultures will be discussed through authentic newspaper and magazine articles. Grammatical concepts are strengthened by analyzing reading selections. Many authors will be read including: Antoine de St. Exupéry, Jean-Paul Sartre, Alphonse Daudet, Victor Hugo, Molière, Guillaume Apollinaire, and Jules Verne. The reading selection is “Maigret et le clochard” by Georges Simenon. This class is conducted in French.

*\*See prerequisites. Minimum grade requirement MUST be accompanied by teacher recommendation.*

### French IV Honors\* (Elective) - 0701350

One Year

The purpose of this honors level course is to continue to increase proficiency based on the skills previously acquired. Emphasis is on more advanced language structures and idiomatic expressions. Conversational skills are stressed as well as the continual development of writing, reading and listening skills. Authors studied include: Gaston Leroux, Albert Camus, Jaques Prévert and Victor Hugo. “La Bicyclette Bleue” and “Le Chateau de ma mère” by Marcel Pagnol will be studied. This class is conducted in French.


*\*See prerequisites. Minimum grade requirement MUST be accompanied by teacher recommendation.*

 **AP French Language\* (Elective)- 0701380****One Year**


The purpose of this college level course is to prepare students for the AP French Language Exam. Emphasis is put on mastering comprehension of oral questions and responding appropriately, listening to short readings and responding to oral questions, participating in conversations on a variety of topics, completing unfinished statements, summarizing written passages and composing essays which demonstrate organization, grammatical accuracy, appropriate vocabulary, expressions and stylistic quality in the French language. "Jean de Florette" and "Manon des sources" by Marcel Pagnol will be studied.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year. Minimum grade requirement MUST be accompanied by teacher recommendation.*

## Latin

 **Latin I - 0706300****One Year**

The purpose of this course is to enable students to comprehend the Latin language through practice in reading and speaking. Using the reading approach students will study the Roman culture and history and its relevance to their culture. Students will also increase their general language skills, particularly grammar, vocabulary and derivatives. This study also includes the roots of modern romance languages.


 **Latin II – 0706310****One Year**

This second level course in Latin will afford the students an opportunity to read funny and enriching stories that contain deeper cultural themes and require further linguistic proficiency. Emphasis will be put on more complex grammatical structures such as the passive voice, subjunctives, and subordination. Cultural enrichment will have a special focus on Roman belief systems.

 **Latin II Honors\* - 0706315****One Year**


This second level course in Latin will afford students an opportunity to read funny and enriching stories that contain deeper cultural themes and require further linguistic proficiency. Emphasis will be put on more complex grammatical structures such as the passive voice, subjunctives, and subordination. Cultural enrichment will have a special focus on Roman belief systems. In addition, students signing up for the honors option will engage critically with the literature and culture of Rome through close-reading projects and essay-writing in preparation for the higher levels of Latin reading and appreciation. Ability to work independently and the timely submission of all honors work are mandatory for honors credit. This course is highly recommended for those considering Latin IV and AP Latin.

*\*Prerequisite: 85% or better in Latin I and teacher recommendation.*

 **Latin III Honors\* (Elective) – 0706320****One Year**


The purpose of this honors course is to prepare students to read and assess original authors in the Latin tradition. In the first part of the course, grammatical proficiency will continue to develop through more challenging and thematically rich fictional stories in Latin. Complex structures of Latin grammar and style will be covered, and some readings in Classical Latin will be interwoven with the textbook material. The second portion of the course will be conducted entirely through the study of original Latin authors. Overall, students will read selections from Martial (master of insult poetry), Pliny the Younger (an invaluable source on social history), Ovid, Catullus, Horace, Vergil, and Livy. The course will prepare students for the further study of literature in all languages through an emphasis on genre, literary devices, and close reading.

*\*See prerequisites. Minimum grade requirement MUST be accompanied by teacher recommendation.*

 **Latin IV Honors\* (Elective) - 0706330****One Year**

This honors level course is a general survey of Latin literature, including both poetry and prose in a wide range of genres. Themes of the course will include epic poetry, love elegy, oratory, history, philosophy, and science. The course will emphasize developing comfort, speed and flexibility in the reading of Latin literary texts. A survey of Roman history will also be included. The course is intended as a preliminary to AP level Latin, and will prepare students for success at that level.

*\*See prerequisites. Minimum grade requirement MUST be accompanied by teacher recommendation.*

 **AP Latin Vergil\* (Elective) - 0706370****One Year**

There is one possible Advanced Placement Latin course, Vergil. This class emphasizes:

- The ability to read, understand, and translate original Latin texts, both after study and at sight
- The ability to recognize literary devices and assess their significance
- The ability to scan Latin poetry and comment on its sound and sense
- The ability to write effective essays

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year. Minimum grade requirement MUST be accompanied by teacher recommendation.*

# Mandarin Chinese

## Mandarin Chinese I - 0711300

**One Year**

This course will introduce students to Mandarin Chinese language and the Chinese culture. Students will develop communicative proficiency as they are introduced to basic vocabulary, grammatical structures and Chinese characters through varied hands-on learning activities. Pinyin and tones will also be emphasized. Students will explore the culture and customs of the Chinese community. Students will be able to read selections of simple Chinese books, songs and poetry. They will also be asked to write skits in Chinese characters. Approximately 300 characters will be introduced.

## Mandarin Chinese II - 0711310

**One Year**

This level II course continues to emphasize communicative competence in the target language. Students will expand their vocabulary and develop daily life communication skills through oral practice, class presentations, discussions, writing characters, essay, films, language lab, and culture and history. Approximately 200 characters will be introduced.

## Mandarin Chinese II\* (Honors Option) - 0711315

**One Year**

This level II honors course continues to emphasize communicative competence in the target language. Students will expand their vocabulary and develop daily life communication skills through oral practice, class presentations, discussions, writing characters, essay, films, language lab, and culture and history. Approximately 300 characters will be introduced.

*\*See prerequisites.*

## Mandarin Chinese III Honors\* (Elective) – 0711320

**One Year**

This Level III honors course emphasizes the proficiency and fluency of writing, reading, speaking, and listening through extensive class oral presentations, essays, grammar, and sentence structure practice. The topics cover daily life, culture, compare/contrast, history and current events, and films. Supplementary listening materials from the Internet and language lab are also used. Approximately 275 characters will be introduced.

*\*See prerequisites. Minimum grade requirement MUST be accompanied by teacher recommendation.*

## Mandarin Chinese IV Honors\* (Elective) – 0711330

**One Year**

This course is implemented as a Chinese Pre-AP course to prepare students to transition smoothly into Chinese Advanced Placement. In this course, students refine their language skills by writing weekly essays, Chinese typing, delivering oral reports, performing skits, and listening practice. Chinese is used in class discussion. Great attention is given to aural/oral and writing fluency.

*\*See prerequisites. Minimum grade requirement MUST be accompanied by teacher recommendation.*

## AP Chinese Language & Culture\* (Elective) – 0711340

**One Year**

The AP Chinese Language and Culture course is designed to be comparable to a first year college course in Mandarin Chinese. This course focuses on language proficiency while interweaving cultural content and providing frequent formative assessment of students' developing proficiencies within the context of their learning. The course engages students in an exploration of both contemporary and historical Chinese culture in an international language, including pronunciation, vocabulary, idiomatic expressions, grammatical structures and written characters. By deepening students' immersion in the language and culture, students are expected to achieve proficiencies at the "intermediate range," as described in the American Council on the Teaching of Foreign Languages (ACTFL) Proficiency Guidelines.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam at the end of the year. Minimum grade requirement MUST be accompanied by teacher recommendation.*

# Spanish

## Spanish I - 0708340

**One Year**

This course introduces students to the Spanish language and its culture. Students start developing communicative proficiency and cross-cultural understanding through readings, classroom presentations and hands-on activities. Using technology and the language lab, the students experience the Hispanic culture and practice their emerging communicative skills. Fundamentals in grammar and vocabulary are addressed through writing, reading, speaking and listening. This course is taught mostly in Spanish and will prepare students for Spanish II.

## Spanish II – 0708350

**One Year**

This level II course continues to emphasize communicative competence and the relationship between the Spanish language and Spanish speaking cultures. Students will be introduced to more advanced grammatical structures such as the imperfect and the preterit tenses, and students will continue to refine reading and writing skills as well as listening skills. Technology and language lab experiences support the goals of the course. This course is taught mostly in Spanish and will prepare students for Spanish III.

## Spanish II Honors\* - 0708310

**One Year**

This level II course continues to emphasize communicative competence and the relationship between the Spanish language and Spanish speaking cultures. Students will be introduced to more advanced grammatical structures such as the imperfect and preterit tenses, as well as the conditional and future tenses. The uses of the subjective mood will be introduced. Students will continue to work on their reading skills by reading short segments of authentic literature. Students will also be expected to write more extensively. This course is taught in Spanish and will prepare students for Spanish III Honors.

*\*Prerequisite: 85% or better in Spanish I and teacher recommendation. Minimum grade requirement MUST be accompanied by teacher recommendation.*

## Spanish III\* (Elective) – 0708365

**One Year**

This intermediate course will continue to expose students to more complex language structures and provide ample practice to refine students' reading, writing, listening and speaking skills. Students' preparation will involve those skills needed for business, travel and other real life situations. This course is taught in Spanish and is intended for those students who do not plan to continue to AP Spanish.

*\*See prerequisites.*

## Spanish III Honors\* - 0708360

**One Year**

This honors level course is designed to expand and develop the skills learned in previous years. The understanding of grammatical concepts are strengthened through oral presentations and written assignments. Students will read literature excerpts as well as write essays on selected topics. Students will also have to complete and present projects that will showcase the skills they have acquired and practiced in class. This course is taught in Spanish. Cultural awareness is directed towards current events and everyday life of Spanish and Latin American people.

*\*See prerequisites. Minimum grade requirement MUST be accompanied by teacher recommendation.*

## Spanish IV\* (Elective) 0708375

**One Year**

This course is the capstone course in the college prep Spanish language series. Students will round out their Spanish language and culture education, by using authentic literature and music to pull together all they have learned in their previous Spanish courses. Emphasis will be put on speaking and listening as well as reading and writing. Students will continue to learn new verb tenses and enrich their vocabulary. In addition, students will continue to learn about Hispanic culture within the context of history and current events. The course is taught in Spanish.

*\*See prerequisites.*

## Spanish IV Honors\* (Elective) - 0708370

**One Year**

The purpose of this honors level course is to continue to increase proficiency in the skills previously acquired in Spanish. Emphasis is placed on more advanced language structures and idiomatic expressions. Conversational skills are stressed as well as the continual development of writing, reading and listening skills. The students will also complete projects that will showcase the skills they have acquired and which are practiced in class. Students will read selections of authentic literature and compose essays on selected topics. This course will prepare students for AP Spanish. This course is taught in Spanish.

*\*See prerequisites. Minimum grade requirement MUST be accompanied by teacher recommendation.*

## AP Spanish Language\* (Elective) -0708400

**One Year**

This course is a college level Spanish course designed for the student who has become proficient in the fundamentals of the Spanish language and is now ready to apply his/her knowledge in a wide variety of topic areas. This course also emphasizes the strengthening of Spanish listening, writing and conversational skills. Reading selections of well-known Spanish and Latin American poetry, novels and drama will give the student a deeper insight into the Hispanic civilization and culture. This course is taught in Spanish to prepare the student for the Advanced Placement examination in Spanish Language.

*\*See prerequisites on page 33. Minimum grade requirement MUST be accompanied by teacher recommendation. Students are expected to take the Advanced Placement exam at the end of the year.*

**\*Note: A minimum of three years of a foreign language in grades 9<sup>th</sup> – 12<sup>th</sup> is recommended for those students seeking admission to selective colleges.**

# Computer Science

General prerequisites for all honors courses 9<sup>th</sup> – 12<sup>th</sup>:

1. "A" in previous year's college prep course or "B" or better in previous honors course.
2. Stanines of 8 or above (national norm) on CTP4 for 9th grade courses; a raw score of 45 or above on the PSAT for 10th grade courses and 50 or above for 11th and 12th grade courses.
3. Teacher and/or counselor recommendation.

Advanced Placement course prerequisites are on page 33.

## Honors Game Programming\* (Elective) - 0000365 One Semester

Learn how games are created for use on your XBOX, Wii, or iPhone. This honors level course will review the complete process of creating a game using the latest technology. This class will use Unity software which is a popular game development tool to create games. The course emphasizes problem solving, trouble-shooting, accuracy, teamwork and creativity. Special emphasis is placed on programming logic. This course is geared for the beginner who wants to learn how to create and play their own game. There will be guest speakers from the gaming industry as well.

**Students in honors or AP level mathematics are encouraged to take this honors game programming course.**

*\*Prerequisite: Presently enrolled in an honors math class with a grade of B or better.*

## AP Computer Science\* (Elective) - 0200320 One Year

This course is the College Board Advanced Placement Course in Computer Science, Part A. Students are introduced to computer science theory and methodology according to the current guidelines of the College Board.

*\*See prerequisites on page 33. Students are expected to take the Advanced Placement exam in May.*

## Robotics (Elective) - 0200340 One Semester

Robotics is the study of robots. Robots are machines that can be used to do jobs. Some robots can do work by themselves. Other robots must always have a person telling them what to do. The study of robotics is a hands on vehicle for learning through experience and discovery. Students get to "own" their learning and the teacher becomes the facilitator of their learning. The robotics class itself is set up to allow students to feel comfortable with the new and sometimes very complicated concepts that robotics brings with it. Additionally, the student becomes part of a team that defines, designs, or builds a robot; students learn the basic concepts and interrelationship of design, mechanics, engineering, computer programming and software. The students also practice and improve effective communication, teamwork and problem solving skills – all key competencies for success in any college major or career interest. This course is unique, engaging and applicable for all students in today's world of integrated technology and global communication. Students will enter area competitions when available.

*Preference given to 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> graders.*

## Web Design (Elective) - 8207110 One Semester

This college prep course provides an overview of the Internet, the technologies used to construct it, and its use and applications in our society. The study of browsers and search engines, web development using HTML and commercial software, and the study of hardware and software used to construct and operate networks and the Internet are covered along with the history of the Internet and the World Wide Web. Web programming is introduced in this course. Creating of cell phone and iPad applications will also be explored.

# Performing and Fine Arts

General prerequisites for all honors courses 9<sup>th</sup> – 12<sup>th</sup>:

1. “A” in previous year’s college prep course or “B” or better in previous honors course.
2. Stanines of 8 or above (national norm) on CTP4 for 9th grade courses; a raw score of 45 or above on the PSAT for 10th grade courses and 50 or above for 11th and 12th grade courses.
3. Teacher and/or counselor recommendation.

Advanced Placement course prerequisites are on page 33.

## Art I, II, III\* (Elective) – I-0101300, II – 0101310, III-0101320

One Semester

These semester long Studio Art courses offer students opportunities for in depth study of the basic elements and principles of art while learning an interesting array of techniques including drawing, painting, and printmaking. Students are required to maintain a sketchbook which journals each of their assignments and a portfolio of their unique art works. Each course level must be taken in sequence. The curriculum for and complexity of each course is differentiated based on the level of the course and the students’ experience.

*\*Prerequisite: These course levels must be taken in sequence.*

## Advanced Drawing & Composition Honors I & II\* (Elective) I-0104320, II-0104330

One Year

These year long Studio Art courses provide students with an opportunity to develop advanced level original artworks in a variety of mediums (including painting, drawing, and mixed media), techniques, and genres. Students will maintain a journal of their ideas and a portfolio of twelve original art works. Six of those twelve works must be thematically based. Students will assemble a professional quality portfolio presentation of their artworks matted, in slides, and on CD. Advanced I may serve as preparation for AP Studio Art.

*\*Prerequisite: Art I & II.*

## AP Art History (Elective) - 0100300

One Year

The AP Art History course engages students at the same level as an introductory college art history survey. This course involves students in critical thinking, visual analysis, and developing understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting, and other media. Students shall examine art in the context of politics, religion, patronage, gender, function, and ethnicity. The AP Art History Exam contains multiple choice questions and essays that reflect and examine the above mentioned topics. For juniors and seniors only.

*\*Prerequisites: Humanities. Also see prerequisites on page 33. Students are expected to take the AP examination at the end of the year.*

## AP Studio Art\* (Elective) - 0109350

One Year

The Advanced Placement Art course reflects course requirements present in a 100 level college art course. Students must select to work within the guidelines of one of three portfolio categories: Painting and Drawing, 2-D Design, or 3-D Design. Students will produce at least 30 superior quality original artworks based on subject matter, techniques and styles of their choosing, with instructor guidance. Additionally, students will maintain an art journal, conduct critiques, and assemble a professional presentation of their works, including matted works, slides, and a CD. Completed portfolios will be submitted for grading to the College Board in May.

*\*Prerequisites: Juniors and seniors only, portfolio review, basic and intermediate art courses.*

## Ceramics I (Elective) - 0102300

One Semester

This course will guide students in the development of skills necessary for ceramic and pottery construction. Through classroom instruction, reasoning and critical thinking skills, and cooperative learning, students will produce functional and nonfunctional ceramic forms. The course will include, but not be limited to, ceramics and pottery, the safe use of tools and materials, and techniques. Students will learn to use the ceramic medium as a form of artistic expression.

## Computer Art: Electronic Imaging (Elective) - 0103350


One Semester

Now, more than ever, image editing skills are powerful tools useful for presentations, website editing, art projects, graphics production, video enhancement and photo refinement. Experience with image editing gives you the tools and skills for advanced graphics production whether you use them in college, in a career, or for personal use. This semester course fulfills the expanding need for image editing skills by utilizing PHOTOSHOP software. This is a course designed for those who either have little or no experience with Adobe Photoshop or for anyone who wants a thorough understanding of the necessary tools and techniques a photographer or graphics designer should know when using Photoshop. The course will begin with the basics of Photoshop and move to more advanced applications. Whether you’ve never used Photoshop before, or you’re familiar with it but frustrated and intimidated, this basic course will teach you everything you need to get started with Photoshop, feel competent with the procedures and feel accomplished as your photography and graphics skills advance.

## Photography I (Elective) - 0108310

One Semester

This semester course is designed to teach students a basic understanding of the principles and processes of black and white photography. Basic areas of study include a brief overview of the levels of photography, advanced 35mm camera operation, exposure controls, and b/w film processing and darkroom procedures. **Students must provide their own manually operated 35mm slr camera.**

 **Photography II & III\* (Elective) – II-0108320, III-0108330** **One Semester**

These Photography courses are designed to give students an advanced understanding of the principles and processes of photography. These courses are recommended for self-motivated students who can work in a serious, independent manner. 35mm/120 camera operation, as well as advanced exposure and darkroom processing controls will be stressed. Students may choose to use digital cameras after successfully demonstrating their ability to shoot, process and develop black and white film. Students wishing to use digital cameras must own or purchase a digital slr. Point and shoot digital cameras will not be allowed. **Students must provide their own 35mm camera.**

*\*Prerequisite: Photography I.*

 **Emerging Media (Elective) - 0107400** **One Semester**

This media arts course is designed to allow students to explore digital art using Apple computers and Apple iPads. Apple iPad apps and Apple software will be used to learn video editing, audio editing (including podcasts), computer generated art (including picture and image editing), DVD creation, and more through the creation of digital content and hands-on projects. Students will learn valuable skills and techniques for digital artistic expression that will serve them well in the 21<sup>st</sup> century.

 **Digital Video Production I (Elective) - 1100420** **One Semester**

This media arts course introduces the student to the basic skills of video production including script development, storyboarding, location and resource planning, camera work, special effects, scene transitions, editing, titling, and the addition of audio tracks. The students produce multiple short subjects to demonstrate their acquired skills.

 **Digital Video Production II\* (Elective) - 1100430** **One Semester**


In this second level media arts course, students use the skills acquired in Video Production I to complete longer, more complicated video productions. Students are introduced to more advanced video techniques and effects. In addition, this class will be responsible for the creation and production of the LHP Upper School Morning News.

*\*Prerequisite: Teacher approval required.*

 **Digital Video Production III\* (Elective) - 1100440** **One Year**

This third level media arts course will explore technical and aesthetic aspects of single camera film style video production. Each student will develop and refine their artistic vision. Students will become familiar with diverse critical approaches, learn advanced script writing skills, and refine their production skills. Students will submit their work to film and video festivals, production competitions, and arts festivals.

*\*Prerequisite: Teacher approval required.*

 **Digital Video Production IV Honors\* (Elective) – 1100455** **One Year**

This fourth level media arts course will continue to explore technical and aesthetic aspects of single camera film style video production while advancing to an analysis, evaluative and critiquing level. Each student will continue to develop and refine their artistic vision while working on video projects. Video projects will also strengthen organizational tools such as, but not limited to, brainstorming, spreadsheets, storyboards, outlining, charts, tables, timeline etc. Students will be introduced to film history and a study of film genres as well as advanced post production special effects using Adobe's After Effects. Students will submit their work to film and video festivals, and continue to build a personal portfolio. Off-campus studio work will be an integral part of this level IV course. Collaborative and team skills, proficiency in equipment use, adherence to copyright law and ethical issues pertinent to digital media production will be refined.

*\*Prerequisite: Previous video production courses and teacher approval required.*

 **Dance Technique (Elective) - 0300310** **One Semester**

This general dance class provides students with the foundational skills, knowledge, and experience to perform different forms of dance, including but not limited to ballet, tap, jazz, hip-hop, and modern. Throughout the semester, the course will focus on dance history, world dance, terminology and technique, choreography, and performance skills. Dancers will learn how movement has evolved and envision the future of dance styles throughout the world. Students of all levels welcome.

 **Drama I – 0400310 (Elective)** **One Semester**

This beginning course focuses on script analysis and vocal and physical performance skills developed through theatre games, storytelling, playwriting and monologue and scene work. Drama students produce a Ten-Minute Play Festival at the end of the semester as a final project. Collaboration and group work provide the basis of the class.


 **Drama II, III, IV\* (Elective) – II-0400320, III-0400330, IV-0400340** **One Semester**

This class series offers students experience in acting, directing and playwriting through improvisation, and scripted work. Students are required to work on-stage or front-of-the house for the main stage plays and to be an active member of the LHP Thespian Troupe #2449. Also, fall semester students perform a one-act play in the Black Box as a final project; spring semester students write and help produce US Drama's annual Mystery Dessert Theatre. Collaboration and work as an ensemble provides the basis of the class.

*\*Prerequisites- Drama I. Students may select to enroll for a full year.*

 **Stagecraft I (Elective) -0400410** **One Semester**

This class will allow hands-on experience in learning the backstage elements of play production. The Harriett Coleman Performing Arts Center will be the classroom for students to learn the methods of set design, stage lighting and scenery construction. Students will create and build the scenery and work the technical elements of lighting and sound for the Lake Highland theatrical productions. Additional hours are required both after school and on weekends. Stagecraft I is open to grades 10-12 and is offered in *the fall semester only*. Students may be able to move on to Stagecraft II in the spring semester with approval of the instructor.

 **Stagecraft II, III, IV (Elective) - II-0400420, III-0400430, IV-0400440** **One Semester**

This class will allow hands-on experience in learning the backstage elements of play production. The Harriett Coleman Performing Arts Center will be the classroom for students to learn the methods of set design, stage lighting and scenery construction. Students will create and build the scenery and work the technical elements of lighting and sound for the Lake Highland theatrical productions. Additional hours are required both after school and on weekends. Stagecraft II-IV is open to grades 10-12 and requires teacher approval.

*\*Prerequisite: Stagecraft I. Students may elect to enroll for a full year.*


 **Chorus I, II, III, IV (Elective)** **One Semester**  
**I-1303300, II-1303310, III Honors-1303340, IV Honors-1303350**

All levels of chorus will provide the students with the opportunity to improve their voices as they learn proper singing technique as well as music literacy. Students will learn how to read music and will improve their sight reading skills. They will participate in a variety of performances including formal concerts and off campus performances. The group will also participate in adjudicated festivals. Advanced students will have the opportunity to audition for the Florida All State Chorus. Honors Chorus may be taken in the third full year of participation in the group. Requirements for Honors Chorus include auditioning for the All State Chorus and participation in special ensembles and selected area choruses.

*Students may select to enroll for a full year.*

 **Symphonic Band I, II, III, IV (Elective)** **One Year**  
**I-1302300, II-1302310, III-1302320, IV-1302330, Honors Options Levels III & IV only-1302340**

Symphonic Band is open to all students with at least two years of experience on a woodwind, brass or percussion instrument. Students will develop the fundamentals of melody, harmony, rhythm, and tone quality through scales, exercises, and a variety of repertoires. Private lessons to supplement class instruction are highly encouraged, but not required. Band members are required to participate in the marching band during the fall semester. The Symphonic Band members are required to participate in after school practices and performances throughout the year as part of the grade for the course. Note: Most after school rehearsals take place during the fall semester. Honors level courses will require small ensemble participation or private instruction.

 **Symphony Orchestra I, II (Elective) – Orchestra I-1302360, Orchestra II-1302370** **One Year**

This daily performance ensemble class is open to 9<sup>th</sup> - 12<sup>th</sup> grade string students who have at least two years of instrumental experience. Students with fewer than two years experience may be admitted with the permission of the orchestra director. The purpose of this class is to continue to build a musical performance foundation including good sound production, musical literacy, and solo and ensemble performance skills. Symphony Orchestra students are highly encouraged to take private instrumental instruction but are not required. Students will have the opportunity to represent the school at the Florida Orchestra Association Solo and Ensemble and concert MPA (Music Performance Assessment) contests. The Symphony Orchestra will also have opportunities to perform at various music festivals throughout the year both on campus and in the community. Instruments offered at this level are violin, viola, cello and double bass.

 **Introduction to Music Theory (Elective) - 1300300** **One Semester**

This course is offered in the spring semester and is an introduction to music and its elements. Students will learn to read and apply standard notation, basic rhythmic, harmonic and melodic dictation. Students will also learn notation by using computer software. This course also serves as a prerequisite for AP Music Theory. A background in music (band, orchestra, chorus, piano, guitar etc.) is recommended, but not necessary. This course is offered in alternating years. Next offered in 2013-2014.

 **AP Music Theory (Grades 10<sup>th</sup> -12<sup>th</sup>)\* (Elective) – 1300330 (Not offered in 2011-2012)** **One Year**

AP Music Theory is a year-long college level course which develops a student's ability to recognize, understand and describe music. This class consists of two sections: theory of music and aural study and analysis. The theory of music will explore the techniques of composition used in the Common Practice Period (approximately 1600-1900). Aural study will include identifying and transcribing music based solely on aural stimuli. Students will work inside and outside the classroom and will receive regular homework. A background in music (band, orchestra, chorus, piano, etc.) is required. This course is offered in alternating years. Next offered in 2012-2013.

*\*Students are expected to take the AP examination at the end of the year.*

*\*Prerequisite: Introduction to Music Theory or teacher interview/entrance exam.*

 **Introduction to Recording Studio (Elective) - 1301400** **One Semester**

Are you curious how a song makes it to the airwaves? This is your chance to have hands on experience using the latest technologies in the recording industry. This course will focus on the basics of the recording process which include studio set-up, microphone education, and hands on mixing using analog and digital input. These are just a few of the areas this class will explore during the semester. An ear for music and a love for technology are important. Vocal or instrumental ability is not required, but highly recommended. Space is limited.

# Physical Education

 **Athletic Training I, II, III (Elective)** **One Semester**  
**I-8417100, II-8417110, III-8417120**

This course will help students gain an overall view of the field of Athletic Training. The class will be held in an interactive format of lecture and lab sessions. Topics will include basic anatomy and physiology, care of the injured athlete, injury assessment, rehabilitation of the injured athlete, and basic taping and wrapping techniques. Students will then be encouraged to apply their skills with LHPS athletic teams either during 8th period athletics or after school. Community service hours may be earned through after school training room hours.

*\*Students may elect to enroll for a full year. Students will need teacher approval for II and III. Grades 10, 11, 12 only.*

 **Athletics (Elective) – 1503350** **One Semester**

This course is provided for Varsity athletes who will begin their sport season during the semester in which they are registered. This course is designed to allow teams to begin pre-season conditioning, start practice, and travel to games without the loss of class time. A student must be a returning Varsity athlete or a prospective Varsity athlete to register for Athletics, and must have the required approval form completed. This course is only offered for in-season sports that have a member of the coaching staff available to supervise.

 **Personal Fitness (Required) - 1501300** **One Semester**

This course will provide students with the opportunities to develop an individual optimum level of fitness. The content will include, but not be limited to, physical fitness concepts, the significance of lifestyle in one's health and fitness, assessment of the health related components of physical fitness, health problems associated with inadequate fitness levels, sound nutritional practices, and consumer issues related to physical fitness.

 **Weight Training I, II, III, IV \* (Elective)** **One Semester**  
**I-1501340, II-1501350, III-1501360, IV-1501390**

The purpose of this course is to teach students the proper use of weight training equipment, the names and functions of the major muscle groups, the type of exercises most beneficial to each group, and the proper techniques of weight lifting. Topics and activities include, but are not limited to, identification, names and purpose of major muscle groups, exercises specifically designed for each muscle group, skill tests of strength, power, endurance, balance, flexibility and agility, weight lifting techniques and development of a personal program of fitness for each student.

*\*Prerequisite: Personal Fitness.*

# Additional Electives

## **KILT (Key Instructional Leadership Team) (Elective) - 0007777**

**One Semester**

KILT has been created to address the needs of Lake Highland seniors in search of a challenging and rewarding service opportunity. KILT will empower seniors by developing independence, confidence, and self-advocacy. This program will provide a service prospect by developing teaching assistants who will work with mentor teachers in 9<sup>th</sup> –12<sup>th</sup> grade classrooms. Members of KILT will be given the opportunity to foster leadership skills, conscientiousness, a sense of community, and to delve in-depth in intellectual interests in a specific academic subject area. KILT members will be involved in many aspects of the classroom, including, but not limited to: providing teacher instructional support, mentoring younger students, assisting in labs, providing tutoring, and facilitating small group activities, to name a few. The primary goal of KILT will be to enhance the classroom experience for students and faculty alike. They will foster interaction with adult professionals and act as role models for younger students all while demonstrating and validating competence and ability in a given subject area. Members of KILT will strengthen social, professional, and academic skills, while giving back to the school community. This course provides no credit.

*Prerequisite: By application only and contingent upon approval from the teacher, KILT advisers and administration. Seniors only.*

## **Service Leadership (Elective) - 2400300**

**One Semester**

This course is open to juniors and seniors who want the opportunity to develop their leadership skills through service, reflection, and group work. Students will learn principles of self-leadership, explore various areas of service in the community, and express their experiences by developing a service project that addresses a community need.

*Prerequisite: Teacher recommendation required. Juniors and seniors only.*

## **Student Assistant (Non-graded)\* (Elective) - 0009999**

**One Semester**

Students may be assistants in the office, the library, the computer lab, or in the science lab. This course provides no credit.

*\*Prerequisite: Counselor and Director's approval.*

## **Student Council (Elective) - 2400310**

**One Semester**

Student Council class is offered for those students elected to upper school Student Council. During this class period, Student Council meetings are held. Homecoming and other school activities are planned. Student council also uses this time to service other organizations in the school and to help the school administration with future plans and ideas. This course is strongly recommended for Student Council Class Officers and is **required for all Executive Student Council Officers during first semester**. This course provides one semester credit.

## **Student Technology Assistant (Non-graded)\* (Elective) - 0009995**

**One Semester**

Students may assist computer teachers with computer lab, video, and related technology projects. Students must have a working knowledge of computers and have taken at least one upper school computer course. Limited enrollment. This course provides no credit.

*\*Prerequisite: Written application and approval. See computer teacher.*

## **Study Hall (Non-graded) (Elective) – 0000951**

**One Semester**

Supervised study is offered for students who desire time during the school day to study, review, and work on school assignments. This course provides no credit.

## **Writing Center Tutor (Elective) - 0008888**

**One Semester**

Rossman Writing Center tutors visit the Middle School campus to help Middle School students with their writing projects in the Composing with Computers class and act as teaching assistants in the Advanced Composition and Creative Writing classes. Tutors also occasionally help Upper School students with specific assignments, including science fair. Tutors need to be kind, patient, and careful in their work with student writers. This course provides no credit, but community service hours are earned for each hour of tutoring.

*\*Prerequisite: Successful completion of Advanced Composition and approval of the instructor.*

# Advanced Placement Course Prerequisites

**NOTE:** AP students are expected to make satisfactory progress in AP courses. Any student who receives a grade below C at the quarter or the semester may be moved to the corresponding honors class or another elective. Freshmen may not enroll in more than one advanced placement course.

## I. General prerequisites

- A. "B" or better in previous honors level course
- B. A raw score of 50 or better on PSAT; a raw score of 500 or better on SAT unless otherwise stated below
- C. Teacher and/or counselor recommendation

## II. English and Social Studies

- A. 85% or better in previous year's Honors level course
- B. 1100 or better combined on SAT Verbal and Writing with neither score below 500 or a combined raw score of 110 or better on PSAT Verbal and Writing with neither score below 50.
- C. Essay and interview if new to LHPS

## III. Art History

- A. "B" or better in humanities.
- B. "B" or better in previous English Honors or AP or "A" in English College Prep.

## IV. Biology

- A. "B" or better in previous science honors courses
- B. "B" or better in math honors courses
- C. Completion of Biology Honors and pre or co-requisite of Chemistry Honors

## V. Calculus (AB)

- A. "B" or better in Pre-Calculus Honors
- B. 600 or better on SAT Math or a raw score of 60 or better on PSAT Math

## VI. Calculus (BC)

- A. "B" or better in AP Calculus (AB)
- B. 650 or better on SAT Math

## VII. Chemistry

- A. "B" or better in Chemistry Honors
- B. "B" or better in Algebra II Honors
- C. 500 or better on SAT Math or a raw score of 50 or better on PSAT Math

## VIII. Computer Science

- A. "B" or better in Honors Programming
- B. "B" or better in Algebra II Honors
- C. 500 or better on SAT Math or a raw score of 50 or better on PSAT Math

## IX. Environmental Science

- A. "B" or better in Chemistry Honors

## X. Foreign Language and Literature

- A. 85% or better in previous year's course
- B. 550 or better on SAT verbal or a raw score of 55 or better on PSAT verbal
- C. Placement test and interview if new to LHPS
- D. Teacher interview and recommendation

## XI. Macroeconomics and Microeconomics

- A. 1100 or better combined on SAT Verbal and Math with neither score below 500 or a combined raw score of 110 or better on PSAT Verbal and Math with neither score below 50.
- B. Teacher recommendation.

## Advanced Placement Course Prerequisites (cont.)

### **XII. Physics**

- A. "B" or better in Chemistry Honors
- B. "B" or better in Physics Honors
- C. "B" or better in Algebra II Honors; completed or enrolled in Pre-Calculus Honors
- D. 550 or better on SAT Math or a raw score of 55 or better on PSAT Math

### **XIII. Statistics**

- A. By departmental approval only.
- B. 85% or better from Algebra II Honors or a higher level math course
- C. 95% or better from non-honors math
- D. 58 or better on the math and verbal portions of the PSAT

### **XIV. World History**

- A. "A" in both 8<sup>th</sup> grade history and 8<sup>th</sup> grade Honors English
- B. Stanines of 6 (independent school norm) or above on CTP4.

# Advanced Placement Courses\*

## Language Arts

- AP English Language & Composition
- AP English Literature & Composition

## Math

- AP Calculus (AB)
- AP Calculus (BC)
- AP Statistics

## Science

- AP Biology
- AP Chemistry
- AP Environmental Science
- AP Physics B

## Foreign Language

- AP Chinese Language & Culture
- AP French Language
- AP Latin Vergil
- AP Spanish Language

## Social Studies

- AP European History
- AP Macroeconomics
- AP Microeconomics
- AP Psychology
- AP US Government/Politics
- AP US History
- AP World History

## Computer & Arts

- AP Art History
- AP Computer Science
- AP Music Theory (offered alternating years)
- AP Studio Art

**\*NOTE: All students taking AP courses are required to take the AP exams in the spring. These exams cost approximately \$87 each; this fee will appear on the student's bill.**

# Academic Recognition



## Weighted Courses\*

Honors level courses are weighted one-half point.

AP courses are weighted one full point.

| Example: | <u>Course</u>     | <u>Grade</u>   |
|----------|-------------------|----------------|
|          | English 11        | A = 4 points   |
|          | English 11 Honors | A = 4.5 points |
|          | English 11 AP     | A = 5 points   |



## Florida's Bright Futures Scholarship Program\* & NCAA Requirements for Athletes\*

Requirements for these programs change each year and sometimes even during the school year. Lake Highland Preparatory School's College and Career Center keeps copies of the latest requirements on hand for anyone who would like to review current regulations. Academic counselors also distribute this information to parents and students whenever they meet in a formal setting. To review the most recent releases from NCAA or the Florida State Legislature, stop by the College and Career Center in the Calkins Library or check the following web sites:

NCAA Web Site: <http://www.ncaa.org>

Bright Futures Web Site: <http://www.floridastudentfinancialaid.org>

Bright Futures Phone: 1-888-827-2004

**\*NOTE: Colleges, NCAA and scholarship programs such as Florida Bright Futures Scholarship Program often recalculate a student's GPA based on their own specific eligibility requirements.**

# Special Programs



## LINK- Community Service

A complete education includes academic achievement plus commitment and responsibility to the community. Lake Highland Preparatory School, through our LINK program, is requesting community service hours at each grade level:

|           |          |
|-----------|----------|
| Grade 9:  | 25 Hours |
| Grade 10: | 25 Hours |
| Grade 11: | 25 Hours |
| Grade 12: | 25 Hours |

Community Service is an action performed to benefit another person, group or institution. It is done with compassion and selflessness, and without compensation. It involves the free sharing of time and talents. Examples are time spent helping organizations such as hospitals, homeless shelters, schools, helping elderly neighbors, tutoring children, volunteering at church and the like. Work should be completed at a non-profit organization. Work done to benefit one's own family or school class is not considered community service; it is a responsibility of membership. Donations of canned goods and other items are strongly encouraged as a reflection of personal generosity, but they do not earn community service hours. Internship and job shadowing experiences undertaken to learn about a career, even in settings such as hospitals where community service might otherwise be done, does not qualify as community service in themselves.

Community service hour requirements for the FAS Florida Bright Futures award are 100 hours. Community service hour requirements for the FMS Florida Bright Futures award are 75 hours.

Each student can make a difference in the Central Florida community. Through these efforts, the child will gain, not only an increased sense of self-worth and purpose, but also an understanding of the tremendous needs throughout the area in which he/she lives.



## Summer Classes: Transcript Policies

Courses which students take in the summer typically fall into two categories: enrichment classes and credit classes.

Many colleges and educational institutions offer summer enrichment programs. These programs are excellent opportunities to reinforce scholastic skills and begin laying foundations for new fields of study. They are usually not intended by the offering institutions to be taken for official high school credit and are not granted credit by Lake Highland.

Some students wish to take courses for credit during the summer. This can be a sound strategy in some cases. It can also be unadvisable academically. Some difficult classes are better learned over the course of a school year when a student has time to absorb and work through new concepts. For this reason, students who wish to take a summer course for credit must submit a pre-approval form to be reviewed and approved by the Upper School Director in consultation with guidance counselors. The director will make the final decision on accepting the course for credit to be added to the transcript.

Students who take credit courses outside of the Central Florida area will need to submit a curriculum and standards description from the institution offering the course. Courses must include a number of instructional hours in keeping with the equivalent Lake Highland course. Honors courses will be given honors weight if designated honors at the other institution and if Lake Highland offers honors in that course.

## **NOTES**

**Note:** All courses listed in this Curriculum Guide are subject to change, whether by addition, deletion or modification, at the sole discretion of Lake Highland Preparatory School, Inc. Lake Highland Preparatory School, Inc. does not guarantee or warrant that all courses that are listed in this Curriculum Guide will be available or offered during any academic school year. This Curriculum Guide is being provided for information about the possible scope of courses available or offered during an academic school year only. It is not intended to be a representation, guarantee or warranty that all courses listed will, in fact, be available or offered during any academic school year.