

Program of Studies 2017-2018

Program of Studies – Message from the Principal

Dear LAS Student,

Our goals of the secondary program at Lahore American School are twofold. The first goal is for you, the student, to receive acceptance letters from the universities to which you apply. However this is just the beginning. Our second goal is for you to successfully complete the course of study at the university you decide to attend. In order to receive those acceptance letters you must accomplish five important things.

- You must write a solid college application essay
- You need strong letters of recommendation from your teachers and counselor.
- You must have good scores in your standardized testing such as the SAT.
- You need to show leadership in activities, athletics, organizations, and projects.
- You must demonstrate a commitment to learning and stretch yourself academically in a rigorous academic program

The Lahore American School's Program of Studies is designed to provide each student with a rigorous program that will accomplish the two goals. Firstly, it will show admissions officials at your selected universities that you have challenged yourself academically. Secondly, by successfully completing a rigorous academic program, you are academically prepared for the challenges of university study.

The descriptions provided in this document will help you answer the following important questions:

- Am I choosing courses that are appropriate for my abilities, interests and career plans?
- Am I choosing courses that will challenge my abilities?
- Am I choosing courses that fulfill LAS graduation requirements?
- Am I choosing courses that qualify me for the universities I wish to attend?
- Am I choosing a program of study that allows time for extra-curricular activities?

It is important to remember to seek information from a variety of sources. Discuss your selections with your parents, your teachers, and the guidance counselor. The school's guidance counselor is an extremely important resource as the counselor possesses insightful information and measures that can help you side step potential future obstacles. Therefore it is essential that an open line of communication is started early and is kept between yourself, the school, and your parents.

Please keep in mind that while it is nice to be in the same classes as your friends, ultimately you need to take responsibly for the path you choose and the requirements needed in order to reach your goal.

Warm regards,

Tim Musgrove

Secondary Principal

Lahore American School

Planning Your Program

Lahore American School (LAS) is committed to assisting students in developing a course of study that meets their academic goals. The purpose of this guide is to give students and parents an understanding of LAS graduation requirements, the kind of program recommended by colleges, and the variety of courses available at our school. During the second semester of each year, students are asked to choose courses for both semesters of the next school year.

While you are in grade nine, and again while you are in grade ten, you should meet with the counselor to review your high school plan of study. Choosing a course of study is best done by looking at the broad picture of what you hope to accomplish over the four years of high school. While it is not necessary to have a four-year plan carved in stone, it is helpful to have at least a rough plan of the courses you might want to take through your senior year and to revise that plan each spring as you prepare to select courses for the coming school year. Choices made in grades nine, ten and eleven will impact the options you will have available later. Students may find helpful the four-year planning sheet located at the end of this document.

Course Registration

Registration for courses is an annual responsibility which commits the student to a schedule of classes for an entire school year. Determining which courses will be of optimum value is one of a student's most important responsibilities. This task requires a determination of both short and long range educational goals. The advice of parents, counselors, teachers, and a preliminary look at college entrance requirements is of essential importance.

Complete the course request form with prudent consideration. Elicit approval when necessary, sit for entrance examinations if required and submit your request form by the deadline. Attention to detail, sensible selections, and timely submission can only help you get the courses you choose.

Changing Courses

Students will receive their course schedules in August on the first day of school and are permitted to drop or add courses prior to the close of school or during the first six school days when school re-opens in August. Students must have approval of the counselor and teacher before altering their schedules. Any request for a schedule change should be made only under one of the following circumstances:

1. The change is necessary to meet graduation requirements
2. A specific course is needed to qualify for college admission
3. A prerequisite for the course in question is missing
4. Credit has already been granted for the course in question
5. A medical reason for a class change presents itself

Course changes will be considered the exception rather than the rule. Remember that your choices will impact the building of the master schedule and your initial choices may make changes impossible. Plan your courses carefully.

Graduation Requirements Class of 2018

English	<i>(4 credits)</i>	World Languages	<i>(4 credits)</i>
English 9 English 10 English 11 or AP English Lang English 12 or AP English Lit		Four credits in a single language <i>or</i> Two credits in two different languages	
Social Studies	<i>(4 credits)</i>	Physical Education/Health	<i>(2 credits)</i>
World History I World History II +2 Your Choice		PE/Health 9 PE/Health 10	
Mathematics	<i>(4 credits)</i>	Fine and Applied Arts	<i>(1 credit)</i>
Your choice		Your choice	
Science	<i>(4 credits)</i>	General Electives	<i>(as needed)*</i>
Biology Chemistry +2 Your choice		<i>*Any course taken beyond the number of units in a given subject area is regarded as an elective.</i>	
Research Paper- 2000 words	<i>(1 credit)</i>		
Your choice		Community Service –	<i>(1 credit)</i>
		Total	25 credits

Credit

A student will gain one credit (1.0) after successfully completing a course that has met on a regular basis throughout the school year.

A student will gain one-half credit (0.5) after successfully completing a course that has met on a regular basis for one semester of the school year.

Class Placement

Students will be classified by grade according to the number of credits earned in a year based on the following scale:

<i>Freshman</i> (Grade 9, first year):	0-5 credits
<i>Sophomore</i> (Grade 10, second year):	6-10 credits
<i>Junior</i> (Grade 11, third year):	11-16 credits
<i>Senior</i> (Grade 12, fourth year):	16 credits or more and can complete graduation

The school determines the proper placement for new students. Testing and other appropriate means are used to ensure that the students are placed properly. Students are usually placed in the grade which follows next in sequence from their previous schooling. Students who enter during the second semester after completing a grade level from an alternate calendar will be placed in the same grade level they completed. A student may not transfer into the 12th Grade once the school year has begun.

Transfer of Credits

Students accepted to LAS from another high school may only transfer up to 8 credits per academic year. Credits will be granted with core subjects given priority.

Course Load Requirement

Every student is required to carry a minimum of seven courses per year.

Independent Study

The LAS Independent Study program is intended to assist students in demonstrating their natural curiosity, passion for learning, and intellectual vitality. With a teacher's assistance, students are able to design and implement learning activities that meet their needs and interests. Students must find a teacher willing to assist with the course and have the plan approved prior to the beginning of the semester if credit is involved.

In order to ensure that students benefit from the full academic program offered at LAS, independent study courses cannot be used to fulfill the LAS subject area graduation requirements. There is a limit of one independent study course per semester taken in addition to a regular load of seven classes, and no more than two semesters of independent courses can be taken in high school. All independent study courses must be completed prior to the end of the semester and will be listed on the transcript as an "Independent." Your plan must include the following components:

1. Rationale: The reasons you want to take this course
2. Activities: The major initiatives you plan to take
3. Resources: Specific books and materials you will use
4. Objectives: Measurable tasks or projects you will complete
5. Schedule: Meeting times and project completion dates
6. Evaluation: Indication of what must be accomplished to earn an A, B, C or D

Credit Recovery

Students in grades 9 through 12 who fail required courses will be required to take those courses again (or the equivalent) either during the school year, by attending a recognized summer school program, or through an acceptable online organization. Students who are unable to complete graduation requirements within four years have the opportunity to satisfy those requirements according to the following guidelines:

1. Students may utilize no more than two online/correspondence courses (one unit of credit each) to fulfill graduation requirements prior to their regularly scheduled graduation date.
2. Online/correspondence courses may not be taken in lieu of regularly offered courses unless it is specifically for credit recovery purposes.
3. The score result from a proctored final exam must make up a significant portion of the final course grade. Approval is up to the discretion of the high school principal.

Certificate of Study

A certificate of study may be granted to students who have completed four years of high school, but who do not meet the specific graduation requirements for an LAS diploma.

College Preparation

In order to take full advantage of the rich LAS curriculum and to prepare yourself for a successful and rewarding college experience, you should aim much higher than the LAS minimum graduation requirements. Admission officers at colleges and universities expect students to complete successfully a challenging set of courses. And while it is important to take challenging courses, it is equally important that courses be chosen in which your chances of success are good. Earning D's and F's is never impressive, regardless of the course. If you can do successful work in advanced courses, you should be taking them. But remember, each student is different, and courses of study can and should vary from student to student. For a student who has interest in the science and engineering areas, for example, a high school program would probably contain more courses in the math and science areas. And finally, there is no magical number of AP courses that will result in a college acceptance. Please seek advice from your teachers and counselor as you decide your high school course of study. We are all on the same team; we want you to be placed in courses where you will learn and be successful.

As part of most college applications, counselors are asked to complete a "Secondary School Report." Among other things, this report asks about the LAS grading scale, your class rank (LAS reports class rank by quintile) and your GPA. It also asks counselors to rate the rigor of the student's overall academic program.

Although the counselor must use some subjectivity, the following are the general guidelines used at LAS to rate a student's program:

1. **Average program** A student meets the recommended college prep load as outlined on the LAS Four Year Plan including 1 or 2 AP courses.
2. **Demanding program** A student will graduate having completed a demanding academic load that includes 3 or 4 AP courses.
3. **Very demanding** A student typically enrolls in five academic core courses each year and will graduate having completed 5 to 6 AP courses.
4. **Most demanding** A student enrolls in five academic core courses each year and will graduate having completed the highest-level courses in several academic areas. The transcript usually includes 7 or more AP courses*.

*It is important to note that not all AP courses are viewed as equal. Many college admission officers view AP courses in core subject areas as more rigorous than correspondence course. Enrollment in a high school summer program or online/correspondence course must have approval from the counselor and principal.

Honor Cords

Students who exhibit excellence throughout high school may be granted honor cords upon their graduation from LAS. The Honors Committee will award honor cords to graduating seniors for distinction in academics (gold), athletics (blue) and leadership (white) based on the following criteria:

Academic Honor Cord: The recipient has maintained a 3.70 cumulative GPA for all semesters enrolled in high school at LAS (must have studied 4 consecutive semesters in grades 11 and 12 at LAS), including completion of three AP courses and 3 AP exams minimum. The student must not have received a semester grade below 80. Beginning with the class of 2012, the student must achieve a “high pass” on the senior thesis.

Athletic Honor Cord: The recipient has represented LAS at the SAISA tournament for 2 varsity sports in both Grade 11 and Grade 12. The Honors Committee has identified the student as outstanding in athletic achievement and sportsmanship.

Leadership Honor Cord: The recipient has been an officer of at least 2 activities or councils on 3 independent occasions with a minimum of two, including 1 presidency, occurring in junior and senior year. The Honors Committee has identified the student as outstanding in service and commitment.

2017-2018 COURSE OFFERINGS

	Credit		
ENGLISH			
English 9	1		
English 10	1		
English 11	1		
English 12	1		
AP English Literature and Composition	1		
AP English Language and Composition	1		
Journalism	1		
SOCIAL STUDIES			
World History I	1		
World History II	1		
AP World History	1		
AP European History	1		
Economics	1		
Business Studies	1		
AP Economics	1		
Psychology/Sociology	1		
Islamiyat	1		
Speech	1		
MATHEMATICS			
Algebra I	1		
Geometry	1		
Algebra II	1		
Foundations of College Mathematics	1		
Pre-Calculus	1		
Calculus	1		
AP Calculus AB	1		
AP Calculus BC	1		
SCIENCE			
Biology	1		
AP Biology	1		
		Chemistry	1
		AP Chemistry	1
		Physics	1
		AP Physics B	1
		Environmental Science	1
		WORLD LANGUAGES	
		French I	1
		French II	1
		French III	1
		French IV	1
		French V	1
		AP French Language	1
		Mandarin	1
		Urdu B	1
		Urdu I	1
		Urdu II	1
		Urdu III	1
		Urdu IV	1
		Readings in Urdu	1
		FINE & APPLIED ARTS	
		Art I	1
		Art II	1
		3-D Sculpture/Mixed Media	1
		AP Studio Art	1
		Drama I: Performance Theatre	1
		Drama II: Technical Theatre	1
		Introduction to Film	1
		Choir	1
		Introduction to Keyboard and Composition	1
		PHYSICAL EDUCATION	
		Lifetime Activities & Personal Fitness	1
		Health and Fitness	1
		SERVICE	
		Community Service and Leadership	1
		INFORMATION & COMMUNICATION TECHNOLOGY	
		Yearbook	1
		Intro to CS	1
		Robotics	1
		AP Computer Science	1

Homework Guidelines

Each course description includes a statement about the time students can expect to spend on homework. The following is a guideline in terms of an average number of minutes per class meeting.

Light (0-30 minutes)

Moderate (30-60 minutes)

Heavy (Over 60 minutes)

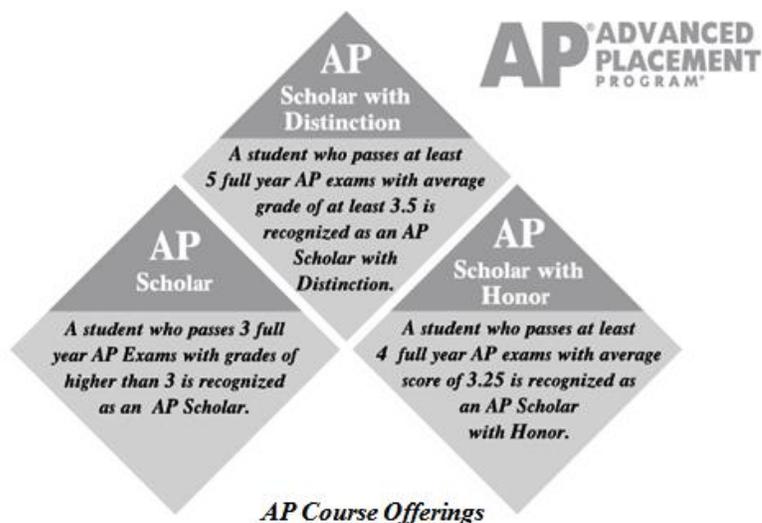


Advanced Placement (AP) Program

LAS offer Advanced Placement (AP) courses for students who wish to pursue college-level study while they are still in high school. The AP program is a cooperative educational endeavor between high schools and colleges and universities. It gives exposure to college-level material and gives them the opportunity to show what they have learned by taking an AP exam. Based on exam scores, colleges may choose to grant credit, advanced placement or both. Students who enroll in AP courses are encouraged to sit for the AP exams in May.

A student who wishes to enroll in AP courses will be expected to undertake rigorous and sophisticated assignments and to work independently. Most AP courses require multiple page papers and some research. It is important to be realistic about the level and number of AP courses a student can take and still be successful. All AP courses at LAS have strict prerequisites and several require a satisfactory score on an entrance exam. Please consult with the course instructor if you are unsure whether or not you qualify.

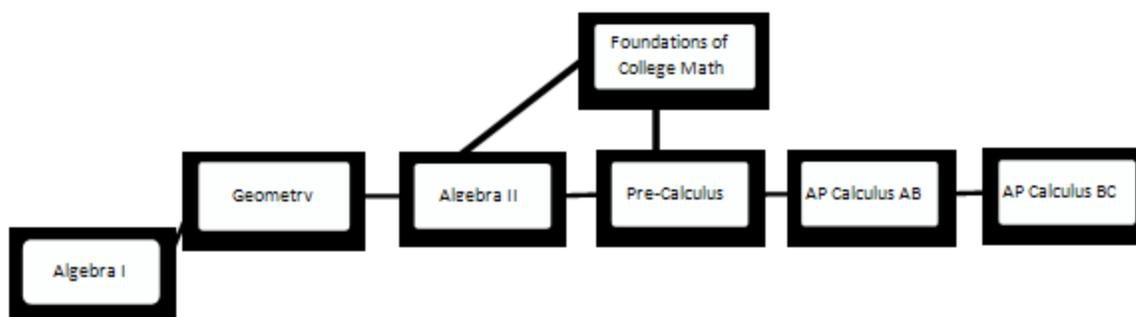
The AP Program offers several AP Scholar Awards to recognize high school students who have demonstrated college-level achievement through AP courses and exams. In addition to receiving an award certificate, this achievement is acknowledged on any AP Grade Report that is sent to colleges.



English Literature	Economics	Calculus AB	Biology
English Language	European History	Calculus BC	Chemistry
Studio Art	World History	Physics B	Computer Science
French Language			

MATHEMATICS

In an increasingly technological world, the mathematics program at LAS offers a quality curriculum essential to the future of our students. It is an approach designed to enable every student to acquire an understanding of fundamental skills and concepts. Instructional emphasis is placed on problem solving, mathematical reasoning, and communication of mathematical ideas. The learning environment encourages students to ask questions, explore mathematics using various tools and technology, and recognize the growing relevance of mathematics to everyday situations. The mathematics program advocates the development of higher-order thinking skills and provides for modes of instruction necessary to enable student success.



Algebra I

Grade: 9 Length: Year Credit: Mathematics

Prerequisite: None

Homework: Moderate 📖📖

Algebra I is designed to develop a foundational knowledge of mathematics for Geometry and Algebra II. The fundamental rules of algebra are established and reinforced to allow students to work with algebraic expressions, formulas, equations, and inequalities throughout the year. Skills and concepts for working with and solving linear functions, exponents and exponential functions, polynomials and factoring, quadratic functions, rational functions, radicals and coordinate geometry, probability, and basic geometry are developed. An emphasis is placed on practicing skills, word problems and real life applications. Mental computation is encouraged and scientific calculators are used when needed.

Geometry

Grade: 9-10 Length: Year Credit: Mathematics
Prerequisite: Algebra I
Special Requirements: TI-84(preferred) or TI-83(acceptable)
graphing calculator
Homework: Moderate 

Geometry is a course with an emphasis on logical reasoning. Most of the year is spent on plane Euclidean geometry, dealing with two-dimensional figures and their properties. Principal ideas include symmetry, similarity and circle and triangle theorems. The rest of the year focuses on solid geometry, dealing with three-dimensional figures and their properties. Many theorems are established deductively, and students are guided in how to form proofs using deduction and principal ideas.

Algebra II

Grade: 9-10 Length: Year Credit: Mathematics
Prerequisite: Algebra I, Geometry
Special Requirements: TI-84(preferred) or TI-83 (acceptable)
graphing calculator
Homework: Moderate 

Algebra II is the continuation of the study of algebraic manipulations with particular stress on power, polynomial, exponential, logarithmic, and trigonometric functions. Graphing skills are developed and applications are presented for these skills. The study of powers and roots is advanced. The theory of complex numbers is taught at an introductory level, providing an extension to the real number system that allows students to fully factorize any polynomial. Students learn the analytical skills needed to sketch functions by hand. Transformations are taught by introducing and modifying parent functions and graphing the new function. Simple systems of linear equations are introduced and solved. Students tackle problems of optimization by tabular means. Algebra II forms the foundation for future studies in Calculus and other courses of mathematics.

Foundations of College Mathematics

Grade: 9-10 Length: Year Credit: Mathematics

Prerequisite: Algebra I, Geometry, Algebra II

Special Requirements: TI-84(preferred) or TI-83 (acceptable)
graphing calculator

Homework: Moderate 

Foundations of College Mathematics answer the needs of students with varied backgrounds and abilities in mathematics. More specifically, it is designed for students who do not anticipate a need for mathematics in their future studies. Students taking this course need to be already equipped with fundamental skills and a rudimentary knowledge of basic processes. The course concentrates on mathematics that can be applied to contexts related as far as possible to other subjects being studied and to common real-world occurrences. This course requires the use of a Graphic Display Calculator. Topics covered include; Numbers and Algebra, Sets, Logic and Probability, Functions, Geometry and Trigonometry, Statistics and Financial Mathematics.

Pre-Calculus

Grade: 10-12 Length: Year Credit: Mathematics

Prerequisite: Algebra II, Teacher Recommendation

Special Requirements: TI-84(preferred) or TI-83 (acceptable)
graphing calculator Homework: Moderate 

Pre-Calculus builds upon Algebra II and Geometry. It continues to improve skills in graphing and analysis of advanced power, polynomial, exponential, logarithmic, rational, and trigonometric functions. Many connections begin to be made to real world situations. A variety of trigonometric identities are established. Larger systems of linear equations are addressed, and matrices are used in their solution. Tools involving matrix determinants are presented. Systems involving non-linear equations are addressed for the first time. Conic sections are defined mathematically in Cartesian, polar and parameterized form. Introductions to the “difference quotient” and the concept of “limit” are given in preparation for Calculus. The study of sequences and series is advanced, with Sigma notation and the Riemann sum. Combination theory leads to most of the basic principles of probability.

Calculus

Calculus AB and BC are primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with this method and its applications. The courses provide a multi-representational approach to calculus with concepts, results and problems being expressed graphically, analytically and verbally. The connections among these representations also are important.

AP Calculus AB

Grade: 11-12 Length: Year Credit: Mathematics

Prerequisite: Pre-Calculus, Teacher Recommendation

Special Requirements: TI-84(preferred) or TI-83 (acceptable) graphing calculator

Homework: Heavy 

In Calculus AB the theory of derivatives is extended to power, polynomial, exponential, logarithmic, rational and trigonometric graphs. Implicitly defined derivatives are used for relations that are not functions. Derivative functions are used for sketching complex curves and to solve optimization problems. The theory of integrals develops from that of the derivative, and integration techniques are developed and used to solve complex problems including volumes and surfaces of revolution for three dimensional objects. The theory of inverse functions is advanced as are approximation techniques using differentials. The Maclaurin approximating polynomial is taught. Numerical techniques for finding roots of non-algebraic functions are also introduced.

AP Calculus BC

Grade: 12 Length: Year Credit: Mathematics

Prerequisite: Pre-Calculus, AP Calculus AB, Teacher Recommendation

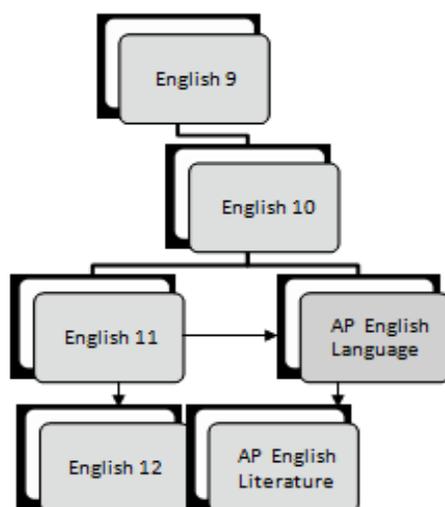
Special Requirements: TI-84(preferred) or TI-83 (acceptable)

graphing calculator Homework: Heavy 

Calculus BC includes all Calculus AB topics. Additional topics are parametric, polar and vector functions and the analysis of planer curves given in parametric, polar and vector forms including velocity and acceleration. Other topics are concepts of series, series of constants and Talor series and Maclaurin series for functions. Partial fractions and integration by parts are taken further than in the AB course. Integration techniques for the n^{th} power trigonometric functions are developed. Numerical techniques using Euler's method for finding roots of non-algebraic functions are used.

ENGLISH

The High School English program at the Lahore American School offers a rigorous university-preparatory course of studies. The syllabus is diverse, representing a range of cultures, periods, and genres. The program emphasizes listening, speaking, writing, reading, viewing, and critical thinking skills, and is designed to heighten students' appreciation of literature and increase their awareness of the importance of language in their daily lives. Each course integrates vocabulary development, grammar, usage and mechanics, composition, oral communication, and critical reading, writing, and thinking with the intensive study of literary works.



English 9

Grade: 9 Length: Year Credit: English, required

Prerequisite: None

Homework: Moderate 📖📖

The English 9 course spans many ages, continents and cultures. Students will explore the ways in which historical events and trends impact the themes in literature of different time periods. Historical pieces will sometimes be used for contextualizing time periods. In studying the world's oldest stories - myths and folktales - students will explore how cultures around the world have used tales to define themselves and make sense of the world around them. The composition component of the course leads the students through the process of writing in order to give them the basics of composing argumentative essays and research. Grammar and vocabulary are integrated into the literature and composition study.

English 10

Grade: 10 Length: Year Credit: English, required

Prerequisite: English 9

Homework: Moderate 

The English 10 course spans many ages, continents and cultures. It will enable students to correlate their reading to historical periods as they expand their knowledge of literature and literary terms and become familiar with acclaimed writers from all over the world. Reading, writing, listening, speaking and research skills are utilized and expanded. Literary analysis is stressed. The composition component emphasizes persuasive thinking using the writing process, as well as research writing skills. The English 10 course is designed to prepare students for success in AP English Language and Composition, should they choose to take it in Grade 11.

English 11

Grade: 11 Length: Year Credit: English, required

Prerequisite: English 10

Homework: Moderate 

English 11 consists of a thematic study of American literature to parallel the study of American history. Students will read, analyze and respond to American literature of different time periods and genres in order to develop an understanding and appreciation of its unique and unifying aspects. Students will further develop skills in reading comprehension, oral communication, critical thinking and writing. Although expository writing and literary analysis are at the heart of this course, students will explore the creative side of writing with their own poetry and short fiction. Students will develop the ability to identify sentence errors and improve sentences and paragraphs, emphasizing the mechanics of writing in order to write more effectively. This course will also serve as preparation for the demands of the Grade 12 English course, as well as for the SAT and the university application process.

AP English Language and Composition

Grade: 11 Length: Year Credit: English meets Junior English requirement

Prerequisite: English 10, Teacher Recommendation

Homework: Heavy 

Advanced Placement English Language and Composition is designed by the College Board and can also be used to satisfy the English III credit requirement for graduation from LAS. This course is a prerequisite for students who are planning to take AP Literature and Composition in Grade 12; as such, the course assumes proven advanced skill and interest in reading and writing. The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts, as well as to become skilled writers who compose for a variety of purposes. Emphasis is on the expository, analytical, and argumentative writing that forms the basis for academic and professional communication, as well as on the personal and reflective writing that fosters the ability to write in any context. Expository, analytical, and argumentative writing in college is based on reading texts from various disciplines and periods, and from personal experience and observation; therefore, students will read primary and secondary sources carefully to synthesize materials from these texts into their own compositions, citing sources using the Modern Language Association (MLA) format. Skill in writing proceeds from students' awareness of their own composing processes: the way they explore ideas, reconsider strategies, and revise their work. Thus the essays written in AP English Language and Composition proceed through several stages, with revision aided by both the teacher and peers. As well as engaging in varied writing tasks, students will become acquainted with a wide variety of prose styles from many disciplines and historical periods. Concurrently, to reflect the increasing importance of graphics and visual images from print and electronic media, students will analyze how such images both relate to written texts and serve as alternative forms of texts in themselves.

English 12

Grade: 12 Length: Year Credit: English meets senior English requirement

Prerequisite: English 11

Homework: Moderate 

English 12 is a year-long World Literature course designed to prepare students for college and to instill a life-long love of literature. The course takes a thematic approach, with poetry, short stories and essays related to the major themes integrated throughout. Students will be encouraged to further hone their writing, speaking, listening, viewing, and critical thinking skills. Although expository writing and literary analysis are at the heart of this course, students will explore the creative side of writing with their own poetry and short fiction.

AP English Literature and Composition

Grade: 12 Length: Year Credit: English meets senior English requirement

Prerequisite: English 10, AP English Language, Teacher Recommendation

Homework: Heavy 

The Advanced Placement English Literature and Composition course is designed by the College Board and can also be used to satisfy the English IV credit required for graduation. This course is designed for students who are capable of completing first-year university level work while in their senior year at LAS. Students must have successfully completed the AP English Language and Composition course in their Grade 11 year in order to be eligible for this course. The AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways in which writers use language to provide both meaning and pleasure for their readers.

The course includes intensive study of representative works from various genres and periods -from the 16th to the 21st century and even before - concentrating on works of recognized literary merit and taking a thematic approach. The pieces chosen invite and reward rereading and are accompanied by thoughtful discussion and writing in the company of fellow students. Most of the works were originally written in English, though some works in translation are also included.

Reading in the course is both wide and deep. Students are required to read a fairly large number of works, but get to know a few very well, reading deliberately and thoroughly, taking time to understand the work's complexity, to absorb its richness of meaning, and to analyze how that meaning is embodied in literary form. In addition to considering a work's literary artistry, students also reflect on the social and historical values it embodies.

Writing is an integral part of the AP English Literature and Composition course and exam. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. Although critical analysis makes up the bulk of the writing for this course, creative writing assignments will also be given. The goal of both types of writing assignments is to increase students' ability to explain clearly, cogently, even elegantly, what they understand about the works they have studied and why they interpret them as they do. Writing instruction focuses on vocabulary, using variety of sentence structure, effective organization, using evidence to back up claims, and rhetorical devices. Some of the writing in the course is informal and exploratory; some will involve research; most will involve extended discourse in which students develop an argument or present an analysis at length. In addition, some assignments will allow students to practice writing effectively under the time constraints that they will encounter on the final exam and in future college courses.

Journalism

Grade: 10-12 Length: Year Credit: English, elective

Prerequisite: None Note: Must be available some evenings and weekends

Homework: Moderate 

The Journalism course is a one year elective. Students tackle issues such as censorship and freedom of the press, while becoming competent in interviewing, news writing and reporting, editorial writing, cartooning, editing, photography, design, layout, typography, marketing, advertising, and fundraising, among others. This course occurs within a “newsroom” environment in which students work collaboratively to brainstorm, plan for, research, and revise original pieces in class and online. Thus, the writing process - multiple drafts, peer response, and editing - is required on all material submitted for teacher assessment. The class constructs, edits and produces the school’s newspaper, “What’s the Scene?!” and literary magazine, “Awaaz,” using advanced computer applications.

WORLD LANGUAGES

FRENCH

In an increasingly globalized world, the High School French program at the Lahore American School offers the student an opportunity to learn an international language other than English. The program focuses on developing the listening, speaking, writing and reading skills, as well as mastering the grammar and vocabulary acquisition, using the communicative approach that stresses student learning through active participation and exposes them to authentic written documents and recordings from the French speaking world. The course is not only intended to teach a language, but also to make them thoroughly acquainted with a different culture and way of thinking.

French I

Grade: 9-12 Length: Year Credit: World Language

Prerequisite: None

Homework: Light 

French I is a course designed for students without prior knowledge of French or with limited experience with the language. The goals of this course are to teach students to develop basic communication skills in French and basic proficiency in the four language skills of listening, speaking, reading, and writing. The course introduces the basic vocabulary and structures of the language through a variety of techniques known as the communicative approach. The main objective is to engage students into creative use of day-to-day French in different situations including, compositions, listening exercises, written comprehensions, presentations, group work, and role playing. Students are also introduced to French cultural life through first hand multimedia documents complementing the textbook.

French II

Grade: 9-12 Length: Year Credit: World Language

Prerequisite: French I or equivalent, teacher recommendation

Homework: Light 

French II is designed for students who have successfully completed French I or its equivalent and are already able to comprehend basic written and spoken French. In this course, students will develop the basic skills they have learnt earlier. Following the communicative approach, students will learn to deal with more complex communication situations and structures of the language. The main objective is to engage students in conversations dealing with day-to-day situations, understand fairly complex grammatical structures, communicate effectively and express themselves more confidently. French II provides students with a framework for proficiency in the language including, verb tenses, vocabulary, short compositions, letters and complex passages. Exposure to cultural aspects help the students relate better to the world outside.

French III

Grade: 9-12 Length: Year Credit: World Language
Prerequisite: French II or equivalent, teacher recommendation
Homework: Light 

Students go further in their studies up to an upper intermediate level. Students should already have a fair understanding of simple written and spoken French and a perfect command of present and perfect tenses (passé composé) of both regular and irregular verbs to join this class. During this course, students are provided with a sounder knowledge of what they have previously learnt through a fully integrated approach to language learning called the communicative approach. The main objective is to engage students in daily conversations understand complex grammatical structures, communicate effectively and express themselves confidently. The course includes use of simple and complex sentences and listening exercises that help enhance listening abilities. In French III, students will learn to use all the simple tenses of the language and develop a broader vocabulary.

French IV

Grade: 10-12 Length: Year Credit: World Language
Prerequisite: French III or equivalent, teacher recommendation
Homework: Moderate 

Students should already have a good understanding of written and spoken French and a good command of grammar to enroll in French IV. At the end of this course students will have an upper intermediate advanced proficiency in the language. In this course, students are provided with a sound knowledge of the language through a fully integrated approach to language learning including all the above mentioned methods and with a focus on and multimedia such as the study of videos clips from French TV. Students are engaged in dealing with normal day-to-day conversational French using complex structures. They will master all the basic tenses of the language and become more familiar with the most complex ones including the subjunctive mood. Students are expected to express themselves confidently on simple topics and develop a fair comprehension of more complex ones through listening or reading. The course includes also a more in depth study of the culture.

French V

Grade: 10-12 Length: Year Credit: World Language
Prerequisite: French IV or equivalent, teacher recommendation
Homework: Heavy 

Students should already have a sound understanding of written and spoken French, a very good command of grammar and the ability to express themselves orally and in written in a number of contexts in order to enroll in French V. At the end of this course students will attain a lower advanced proficiency level in the language. In this course, students are provided with a constant practice of the language through a fully integrated approach to language learning including all the above mentioned methods with a focus on practicing the language in multiple situations and expressions themselves with persuasive essay writing, creative writing, class debates, role-plays, skits and creative projects. Students are introduced to more colloquial layers of the language. Students are expected to express themselves confidently on simple topics and develop a fair comprehension of more complex ones through listening or reading. The course also includes a more in depth study of the culture and matters related to intercultural connections.

AP French Language

Grade: 10-12 Length: Year Credit: World Language
Prerequisite: French IV or equivalent, teacher recommendation
Homework: Heavy 

Students should already have a solid understanding of written and spoken French and master all the common tenses and the complex structures of the World standard language in order to enroll in AP French. In this course, students are provided with comprehensive knowledge of the language through a fully integrated approach to language learning including the study of literary texts or the language of the medias as well as colloquial French. The main objective is to engage students in conversations dealing with any kind of formal or informal language, master complex grammatical structures. Students will learn to communicate effectively and express themselves confidently on a wide range of topics. The course also includes a number of practice exercises based on the model of the AP Exam and two mock AP Exams, the first one at the beginning of the year and the second one just before the actual AP Exam. Students are expected to use French only in the classroom.

URDU

The High School Urdu Program at the Lahore American School is an intensive course. A standard based Curriculum, advanced learning materials, and a range of activities and projects are employed to maximize students' acquisition of Urdu linguistic skills. Its diverse syllabus deals with various cultures, periods and genres. It is specially designed for the students to immerse themselves totally in the language, focusing fully and specifically on those aspects of the language they want to improve. The program seeks to build proficiency in Urdu listening, speaking, reading, writing, viewing and critical thinking skills. It enables the students to be more aware of their national language and its importance in daily life. Vocabulary development, grammar, comprehension, composition, oral communication, critical reading, writing, thinking skills and appreciation of literature are all explored and enhanced with the help of the syllabus.

Urdu B

Grade: 9-12 Length: Year Credit: Modern Language

Prerequisite: None, non-native speaker

Homework: Moderate  

Urdu is considered to be the fourth most-spoken language in the world. Knowledge of Urdu language allows students to converse comfortably with almost five hundred million people in South Asia and to use it as a tool for understanding the information of print and non-print media in political, fiscal, and social scenarios. Urdu B is a World Language Course for non-native speakers or students, who don't have Urdu as a first language spoken at home. This course aims at enabling students to acquire basic oral and written communication skills. Through their studies, learners will gain an understanding of how to use Urdu effectively in a variety of situations and Urdu-speaking environments they will encounter in their daily lives. The aim is to achieve a level of practical communication ideal for everyday use, which can also form the basis for further, more in-depth language study.

Urdu I

Grade: 9-12 Length: Year Credit: Modern Language

Prerequisite: Basic knowledge of spoken and written Urdu at Elementary level, teacher recommendation

Homework: Moderate  

Urdu I is designed for students who have successfully completed a basic level of Urdu. Emphasis is placed on four basic skills: reading, writing, listening and speaking. Book one and two of Urdu Text are introduced at this level to develop phonetic skills, basic grammar concepts, vocabulary enrichment phonetics and retroflective sound, writing answers to questions and mastering identification of verbs, nouns, subjects, objects, conjunctions, interjections and prepositions in a sentence.

Urdu II

Grade: 9-12 Length: Year Credit: Modern Language

Prerequisite: Urdu I or equivalent, teacher recommendation

Homework: Moderate  

This course introduces further development of the four language skills and basic concepts of Urdu. Understanding of Urdu is encouraged by making its use a requirement in the class room. Grammar is learned inductively through varied repetitions and a variety of exercises. Vocabulary enrichment, phonetics, genders, numbers, verbs, nouns, objects, subjects, pronouns, conjunctions and interjections are reinforced and mastered. Simple composition writing is taught, and students are expected to summarize given texts.

Urdu III

Grade: 10-12 Length: Year Credit: Modern Language

Prerequisite: Urdu II or equivalent, teacher recommendation

Homework: Moderate  

This course meets the needs of students who have completed the beginning levels of Urdu and are ready to work on a relatively advanced level to further develop the skills of writing, reading, understanding, and listening. Students at this level are required to achieve proficiency in each of these areas and develop a knowledge & appreciation of poetry. Different forms of grammar are introduced in a detailed manner and vocabulary enrichment is gained. This course enables students to write for different purposes which include reports, diaries, letters, narratives, dialogues, summaries, explanations, and presentations.

Urdu IV

Grade: 11-12 Length: Year Credit: World Language

Prerequisite: Urdu III or equivalent, teacher recommendation

Homework: Moderate  

Urdu 4 is designed for students who have successfully completed Urdu 3. This course develops students' ability to communicate clearly, accurately and effectively. They learn how to employ a wide-ranging vocabulary, use correct grammar and spelling and develop a personal style and an awareness of the audience being addressed. Students are also encouraged to read widely classic works of poets and authors in Urdu literature, for their own enjoyment and to develop an appreciation of how writers achieve their effects. The syllabus also complements other areas of study by encouraging skills of more general application.

Mandarin

Grade: 9 and 11 Length: Year Credit: World Language

Prerequisite: None

Homework: Moderate  

Mandarin is a World Language Course for non-native speakers or students, who don't have Mandarin as a first language spoken at home. This course aims at enabling students to acquire basic oral and written communication skills. Through their studies, learners will gain an understanding of how to use Mandarin effectively in a variety of situations and Mandarin-speaking environments they will encounter in their daily lives. The aim is to achieve a level of practical communication ideal for everyday use, which can also form the basis for further, more in-depth language study.

Readings in Urdu

Grade: Length: Credit: World Languages

Prerequisite: None

Homework: Moderate  

This course reinforces Urdu skills at an advanced level. The course covers a wide range of topics of classical literature through excerpts of novels, short stories, and classical to modern poetry. Different trends in Urdu literature and understanding of plot, conflicts, characterization, and terms applied by writers of various eras are discussed. Emphasis is on explanation of poetry and critical appreciation, identification of grammatical terms in paragraphs, differentiation of phrases and sentences, correspondence, essay writing, and literature.

FINE AND APPLIED ARTS

We at the Lahore American School believe that Visual Arts is an essential part of the intellectual, social, emotional growth of a child. We believe Art is a global communication by which knowledge is made visible. We aim to provide a rigorous arts education program which helps to develop breadth of mind in students and strong analytical and evaluative skills. Our visual arts curriculum enables students to acquire skills that are structured, sequential, and increasingly complex. Emphasis is placed on the practice of refining and enhancing artistic techniques, understanding and applying corrections and stimulating creativity within each student. Our students experience a variety of art forms and techniques that are built upon their strengths and interests. Students at LAS develop their own creativity and love of art through experimentation, appreciation, evaluation, and response to different art forms. Students in the Visual Arts Department learn the fundamentals of painting, drawing, sculpting, ceramics, photography, printmaking, digital media, art history, and fiber arts. To foster continual learning, our program reflects a natural form of expression in the development of children which instills a lifelong love of art.

Art I

Grade: 9-12 Length: Year Credit: Fine Arts

Prerequisite: None

Homework: Light 

In this survey course, students are exposed to a variety of media through study of the elements and principles of art and design. Students acquire and apply skills using a variety of media and techniques. Media such as pencil, various paints, oil pastels, dry pastels, chalk, colored pencils, lino prints and clay are a few examples of what will be offered to Art I students. Emphasis is placed on skills acquisition and creativity. This course enables students to identify their strengths and possible areas of interest for future development. It provides the necessary foundation for the more advanced studio art courses.

Art II

Grade: 10-12 Length: Year Credit: Fine Arts

Prerequisite: Art I or equivalent

Homework: Light 

This course is a start up to college level Art. Art II provides students with the opportunity to continue to develop their artistic abilities and interests within a variety of areas and develop their own style. Students are given the opportunity to find and build their strength in a variety of media within a particular assignment. This course exposes students to a broad spectrum of art styles allowing each student to find and develop their particular area of interest. Students work to achieve higher levels of proficiency in art.

3-D Sculpture and Mixed Media

Grade: 11-12 Length: Year Credit: Fine Arts

Prerequisite: Art I or equivalent

Homework: Light 

This class is open to all high school students who are interested in studying and creating art. It provides an investigative and constructive method for exploring art making possibilities. While using the formal elements of art and principles of design, students will create a variety of 2-D and 3-D mixed media works based upon a “learn by doing process” that promotes exploration of techniques through, research and experimentation. Units of study will include but not be limited to drawing/painting, transfer, collage, digital art, paper making, and found-object/recyclable art.

This course will promote critical thinking as well as the development of art technique, composition, and content/idea within each piece of work. These exercises aim at strengthening the students’ visual vocabulary while allowing personal ideas to shape the outcome of the projects. The students will be required to submit a portfolio with 20 art works by the end of the year.

AP Studio Art

Grade: 11-12 Length: Year Credit: Fine Arts

Prerequisite: Art II or equivalent, Teacher Recommendation

Homework: Moderate  

This course is designed for students who are seriously interested in the practical experience of art. The AP Program offers portfolios: Drawing, 2-D Design. The portfolios share a basic, three-section structure, which requires the student to show a fundamental competence and range of understanding in visual concerns (and methods). Each of the portfolios asks the student to demonstrate a depth of investigation and process of discovery through the **Concentration** section (Section II). In the **Breadth** section (Section III), the student is asked to demonstrate a serious grounding in visual principles and material techniques. The **Quality** section (Section I) permits the student to select the works that best exhibit a synthesis of form, technique, and content. The course provides students with the opportunity to continue to develop their artistic abilities and interests within a variety of areas: drawing, painting, design, illustration, and mixed media. Students are often given the opportunity to find and build their strength in a variety of media within particular assignment. This course exposes students to broad spectrum of art styles allowing each student to find and develop their particular area of interest. AP students must develop a portfolio which includes, 5 actual works, 12 slides organized around a compelling visual concept, and 12 slides demonstrating a variety of concepts.

Introduction to Film

Grade: 9-12 Length: Year Credit: Art
Prerequisite: None
Homework: Moderate 

Intro to Film gives students the opportunity to participate in a wide range of film making activities as well as discussion on the history of film/cinema. Students will explore the different technical aspect of film making by taking active roles in the writing, acting, directing, editing and production of various projects. By gazing through the lens of the camera, students will develop their own understanding of film as a contemporary art form, while also developing their analytical and creative abilities.

Choir

Grade: 9-12 Length: Year Credit: Art
Prerequisite: None
Homework: Light 

Choir is a class for students who enjoy singing! Choir members will learn basic singing skills and develop cooperative group skills while they learn to sing music that represents many different styles and cultures. The rehearsals will culminate in several performances throughout the year. Additional performance opportunities may be available for students to prepare a solo or small ensemble piece to be performed at after-school events.

Introduction to Keyboard and Composition

Grade: 9-12 Length: Year Credit: Art
Prerequisite: None
Homework: Moderate 

Students will learn correct hand position, fingering, and basic melodies to build their keyboarding abilities. Basic music notation, rhythm, theory, and interval relationships will be discussed. As students develop their knowledge of music theory they will explore music composition and basic production concepts and techniques. There will be multiple opportunities for performance throughout the year.

Drama I: Performance Theatre

Grade: 9-12 Length: Year Credit: Art

Prerequisite: None

Homework: Moderate 

Drama I aims to develop theater skills with a focus on performance. The course will emphasize voice and movement. It will also look at acting as a craft. Theoretically rooted in Stanislavsky, the students will explore text through movement and voice. This course is for those who aspire to present and perform.

Drama II: Technical Theatre

Grade: 9-12 Length: Year Credit: Art

Prerequisite: Drama I: Performance Theatre

Homework: Moderate 

Drama II aims to develop the technical side of theater, with stage craft, lights and music emphasized. It will look at how the “creation” of a play is put into practice. This is work done before the actors move into the space with their technique. The students will practically work with lights, sound and various materials to create sets and props. The course is for those who enjoy behind the scenes work and are tactile.

PHYSICAL EDUCATION & HEALTH

The Secondary School Physical Education & Health program at the Lahore American School is based on the development of a student's knowledge, skills and attitudes that enable them to value, attain, and maintain a healthy active lifestyle. The program emphasizes Active living, Movement and Safety, fair play & leadership. It is the goal of the Lahore American School to have Physical Education classes that are active, caring, supportive and non-threatening, in which every student is challenged to grow. In addition, intra-class drills, activities and games are designed to maximize success for both individuals and groups. Every student, regardless of ability or ability level, is provided with a learning environment that is modified, when necessary, to allow for maximum participation. Lahore American School strives to maintain an activity based program while teaching lifelong fitness in a safe and enjoyable environment.

Lifetime Activities and Personal Fitness

Grade: 11-12 Length: Year Credit: PE

Prerequisite: None

Homework: Light 

This course emphasizes regular participation in a variety of physical activities that promote lifelong, healthy, active living. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. This class is designed around the five standards determined by the National Association for Sport and Physical Education (NASPE). These standards are intended to provide students with the necessary knowledge, processes, and skills to become physically educated, physically fit, and responsible in their physical activity choices and behaviors for a lifetime. Potential units include but are not limited to weight training for both strength and tone, cardio training, circuit training, TRX, swimming, step class, dance, fitness planning, zumba, kickboxing, yoga, pilates, badminton, table tennis, tennis, lawn games, bowling, golf, swim, dance, badminton, pickle ball, golf, horseback riding, bowling, orienteering, and lawn games.

Health and Fitness (formerly PE 9/10)

Grade: 9-10 Length: Year Credit: PE

Prerequisite: None

Homework: Light 

This course emphasizes regular participation in a variety of physical activities that promote lifelong, healthy, active living. Students will be empowered to make choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. This class is designed around the five standards determined by the National Association for Sport and Physical Education (NASPE). These standards are intended to provide students with the necessary knowledge, processes, and skills to become physically educated, physically fit, and responsible in their physical activity choices and behaviors for a lifetime. Potential units include but are not limited to weight training for both strength and tone, cardio training, circuit training, TRX, swimming, step class, dance, fitness planning, zumba, kickboxing, yoga, pilates, badminton, table tennis, tennis, lawn games, bowling, golf, swim, dance, badminton, pickle ball, golf, horseback riding, bowling, orienteering, and lawn games.

Community Recreation and Leadership

Grade: 11-12 Length: Year Credit: Physical Education, Elective

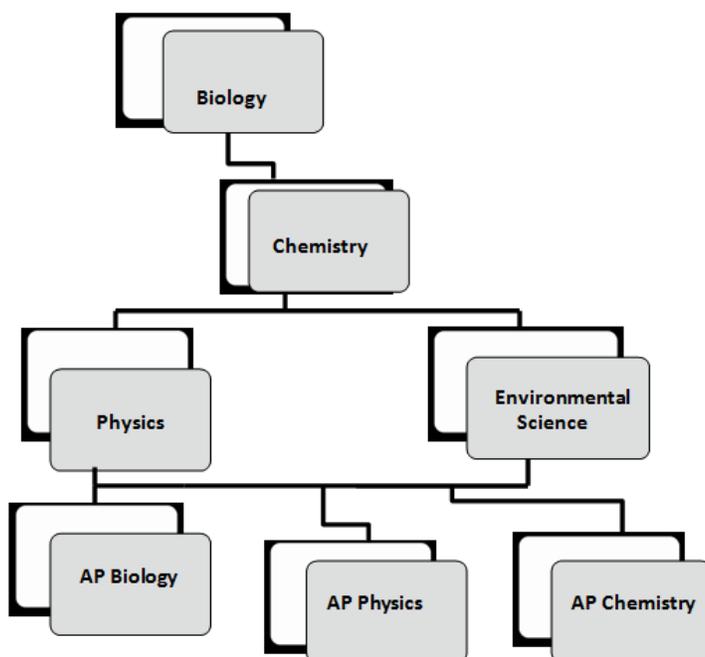
Prerequisite: None

Homework: Light 

Community Recreation & Leadership focuses on the development of a personalized approach to healthy active living through participation in a variety of sports and community recreational activities that have the potential to engage students' interests throughout their lives. Students develop and implement personal physical fitness and nutrition plans. In addition, they are given opportunities to refine their decision-making, conflict resolution, and interpersonal skills with a view to enhancing their mental health and their relationships with others.

SCIENCE

The science education at Lahore American School develops in student learners a rich and full understanding of the inquiry process, critical thinking skills, concepts, principles and standard calculations used in life, chemical, physical and environmental sciences. Students have an opportunity to extend their scientific literacy by exploring laboratory activities, problem solving, research and technology to stimulate interest, curiosity, motivation and learning. The department offers courses that prepare students for further college and university science-based programs.



Biology

Grade: 9-12 Length: Year Credit: Science

Prerequisite: None

Homework: Moderate 📖📖

Biology introduces the major life science content standards of the cell, molecular basis of heredity, biological evolution, and interdependence of organisms, behavior of organisms and the organization of living things. Additional science content standards include science and technology, science in personal and social perspectives, and the history and nature of science. Specific laboratory exercises will complement class discussions and problem solving. Laboratory skills will concentrate on use of the light microscope during the first semester and on dissection of organisms in the second semester.

AP Biology

Grade: 11-12 Length: Year Credit: Science, elective

Prerequisite: Biology, Chemistry, Teacher Recommendation

Homework: Heavy 

Advanced Placement Biology is intended for students who are ready to study the biological sciences at an introductory college level. First semester units of study include the chemistry of life, cells, cellular energetics, heredity, molecular genetics, and evolutionary biology. The second semester concentrates on organisms and populations including the diversity of organisms, structure & function of plants, and animals & ecology. There are twelve required college-level laboratories which will be completed as well. Other points of focus include free response essay writing and laboratory skill development.

Chemistry

Grade: 10-12 Length: Year Credit: Science

Prerequisite: Biology and Algebra I

Homework: Moderate 

This course presents the most current theoretical viewpoints of chemistry in correlation with proper scientific methods and techniques. Qualitative and quantitative analysis are a part of most classroom discussions, and technology-integrated studies provide many hands-on opportunities to reinforce the topics covered. The first semester covers analytical fundamentals, atomic and molecular structure, nomenclature, chemical processes and composition, and quantitative chemistry while continually reinforcing scientific problem-solving methodologies. The second semester builds on these concepts while introducing chemical bonding and structure, the kinetics of phases of matter, colligative properties of solutions, electrolytes, oxidation-reduction relationships, radioactivity, and some organic chemistry. The nature of scientific knowledge, inquiry, and its enterprise will be integrated into authentic labs and other activities throughout the year.

AP Chemistry

Grade: 11-12 Length: Year Credit: Science, elective

Prerequisite: Chemistry and Algebra II, Teacher Recommendation

Homework: Heavy 

AP Chemistry is a rigorous, college-level course specifically intended for students who plan higher studies in science, engineering, or medicine. Topics studied include states of matter, kinetics, equilibrium, thermo dynamics, quantum mechanics, and descriptive chemistry. Laboratory work involves careful measurements and applications of theory to explain and/or predict the behavior of chemical systems. Laboratory work will include both traditional - and probe ware-based experiences. The subject matter in this course is presented with an emphasis on chemical calculations and the mathematical formulation of chemical principles so a strong mathematics background is imperative. Students will be expected to demonstrate the ability to read and comprehend sophisticated material from college level textbooks and journals and to summarize concepts. Students will be prepared for, and are expected it sit for, the AP exam.

Physics

Grade: 10-12 Length: Year Credit: Science

Prerequisite: Algebra II (or concurrent enrollment), Teacher Recommendation

Homework: Moderate 

The Physics course is a math-oriented, problem-solving, laboratory-based approach to physics. It is designed for the above-average student who intends to pursue further science courses. Through laboratory experiences and problem-solving activities, this course will treat each major area of physics in some detail, including General Physics, Newtonian mechanics, Thermal physics, Waves and light, Electricity and magnetism, and Modern physics. Students will use creative problem solving and technology to gather, analyze, and present data and conclusions about the physical world around them.

AP Physics B

Grade: 11-12 Length: Year Credit: Science, elective

Prerequisite: Pre-Calculus (or concurrent enrollment) and B- in Physics and Algebra II, Teacher Recommendation

Homework: Heavy 

AP Physics B is a rigorous, fast-paced, algebra-based physics course which gives students an exposure to a wide breadth of physics topics. The course is designed to be equivalent to an introductory college-level physics course. Problem solving by making use of theory will be emphasized and reinforced by laboratory exercises. Topics covered include the laws of motion, energy and momentum, fluid mechanics, oscillations, thermodynamics, waves, optics, electricity and magnetism, and atomic and nuclear physics. Successful students are prepared to sit the AP Physics B exam.

Environmental Science

Grade: 11-12 Length: Year Credit: Science, elective

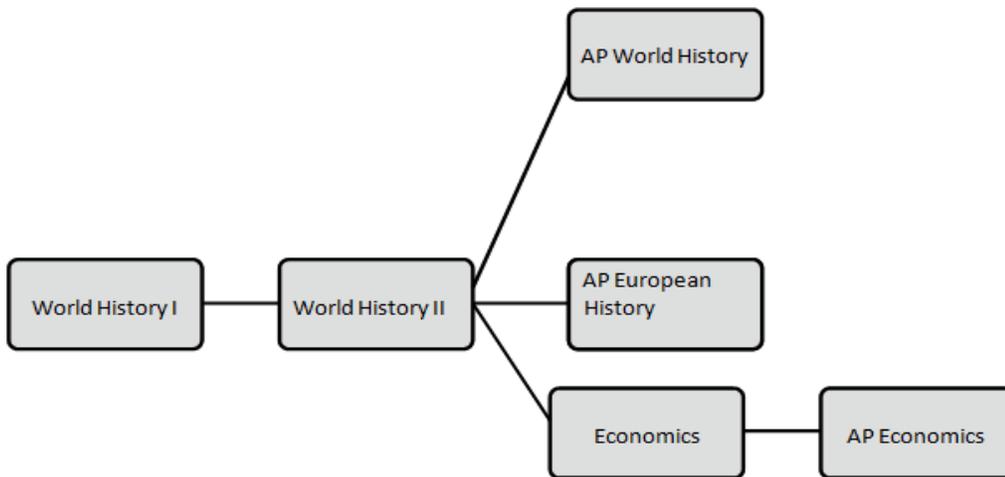
Prerequisite: Biology, Chemistry
(recommended)

Homework: Moderate 

Environmental Science is a study of the interrelationships between man, other living things and the environment. Students will study all of the components of our environment and their interactions and will seek to understand man's impact on the environment and to discover ways by which we can minimize the bad impacts. Laboratory and field based investigations into some of these impacts will allow students to have first-hand experience with modern methods of environmental quality analysis built around computer based probe ware. Environmental Science is an applied science course in that it seeks to understand the most urgent problems facing human society today (the interrelated problems of population, resources, and pollution), to be able to critically analyze environmental issues, and identify effective solutions to them.

SOCIAL STUDIES

The Social Studies Department at LAS facilitates student awareness of historical, social, political and economic issues and teaches students to evaluate the effects of these issues on today's global community and on their own lives. The primary intention is to lead students to become informed global citizens who develop high levels of historic and contemporary social literacy and are able to contextualize significant issues and events and the initiating circumstances, past and present.



World History I, II

Grade: 9-10 Length: Year Credit: Social Studies, required

Prerequisite: None

Homework: Moderate 📖📖

The second year of the World History sequence covers the period from about 1500 AD to the present. World History II incorporates global, universal themes and encourages students to examine historical, social, political, and economic issues. Concepts are organized around societies, issues, and events from the contemporary world and modern history. Emphasis is placed on developing news literacy and on understanding the nature of the world today. Both years of the program emphasize skills relative to research, writing and critical reading and thinking, enabling students to excel in subsequent social studies courses. Students will write analytical essays, complete a written project with full annotated bibliographic references and present orally during the year.

Social Studies Electives

AP World History

Grade: 11-12 Length: Year Credit: Social Studies (History), elective

Prerequisite: World History I & II, Teacher Recommendation

Exam Note: Must be available for Saturday classes

Homework: Heavy 

AP World History seeks to develop greater understanding of the evolution of global process and contacts in interaction with different human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. Global patterns of changes and continuities as well as cultural comparisons are examined from the dawn of civilization (8000BC) to the present. The course is taught using a college style lecture format with heavy emphasis on the Socratic Method.

AP European History

Grade: 11-12 Length: Year Credit: Social Studies (History), elective

Prerequisite: World History I & II, Teacher Recommendation

Homework: Heavy 

AP European History is a college level course designed for juniors and seniors in high school and covers the period of European history from the Late Middle Ages (about 1450) to the present time. The course offers a comprehensive look at the development of the European political and economic thought and reviews the influences which shaped the cultural, technological and social aspects of European history. Students' attention will be focused on the following areas of European history: domestic and foreign policies of major European states, the economic development and influences in Europe and the cultural and social values of Europe and how these values changed over time. These changes and their influences will be studied in a chronological and thematic manner with emphasis on analysis and synthesis of information. The course will seek to develop students' analytical abilities to decipher past trends in European history and place them within the context of the contemporary international and European issues and trends.

Economics

Grade: 10-12 Length: Year Credit: Social Studies, elective

Prerequisite: None

Homework: Moderate 

This course aims at broadening the student's understanding of economic concepts and applying them to real life situations. During the first semester, various economic theories are studied in class from the assigned text. Students are also given notes in class which discuss economic theory in more detail. In the second semester, students are made to apply the economic theory discussed in the first semester. For this purpose, students are given various case studies to be discussed in class. The two major case studies are that of China, which focuses on the discrimination faced by women in China's labor markets, and the annual report of the Human Resource Development Program Report of Pakistan. Students are expected to discuss and make presentations on these case studies. The objective here will be to understand how some developed countries of this day and age have achieved their status of development.

AP Economics (Microeconomics and Macroeconomics)

Grade: 11-12 Length: Year Credit: Social Studies, elective

Prerequisite: Algebra II, Economics recommended, Teacher Recommendation

Homework: Heavy 

The microeconomics syllabus is covered in the first semester of the academic year, and the macroeconomics syllabus is covered in the second semester. The class aims at broadening the student's understanding of fundamental microeconomic and macroeconomic concepts and applying them to real life situations. The purpose of this class is primarily to have student's master the concepts of economic theory so that they enter college with the ability to continue on in economics having knowledge of the subject taught the first semester of college.

Psychology/ Sociology

Grade: 11-12 Length: Year Credit: Social Studies, elective

Prerequisite: None

Homework: Moderate 

This semester course is designed to introduce juniors and senior to the psychological ideas on the study of the mind and behavior. The course begins with the history of psychology and a look at the work of some of its principal theorists. Due to technical innovations and new theoretical concepts that have made the structure and work of the mind more accessible in the past decade, the course will concentrate on both real life examples and theories in psychology to create a student awareness of the subject. The course will offer a theoretical and philosophical explanation of psychology and its historic origins and development as a field of social studies. The students will be understand and explain the ideas of major psychologists and how these ideas influence society.

Business Studies

Grade: 10-12 Length: Year Credit: Social Studies, elective

Prerequisite: None

Homework: Moderate 

Business Studies is the rigorous and critical study of the ways in which individuals and groups interact in a dynamic global economy. This course is created specifically to meet this demand. It is a dynamic, problem-solving course designed to provide a broad introduction to the basic principles and practices of businesses and other organizations, both profit and non-profit in nature. Fundamental principles and skills are studied in local, national and international context, thus affording the opportunity to reflect the differences in perspectives and cultures. While the underlying framework of the program has a wide application, the content is largely of a practical nature. The course examines how business decisions are made, and explores the ethical concerns and issues of social responsibility in global community.

The course consists of four areas of business: Introduction to Organizations, Marketing, Human Resource Management, and Accounting and Finance. The objective is to take the information from the four areas and apply their knowledge skills to real-life business cases.

Islamiyat

Grade: 11-12 Length: Year Credit: Social Studies, elective

Prerequisite: None

Homework: Moderate 

Islamiyat introduces the students to Islam and the main values and beliefs of the religion. This course consists of three areas of study: Islam and its basic concepts, the biography of the Holy Prophet (P.B.U.H), and the four caliphs, and lastly the translations and explanations of Surahs, Ayats, and Ahadis. This course will also teach how to perform prayer and ablution. This Islamiyat course is ideal for students who intend to remain in Pakistan for higher education and it is compulsory for admission in local colleges.

Speech

Grade: 9-12 Length: Year Credit: Elective

Prerequisite: None

Homework: Moderate 

In this course students will be taught the following

- Basics
- Research
- Making it Effective
- Formation (Phraseology)
- Drafting
- Deliverance

A final declamation will take place where students will be selected to give speeches, debates, participate in improvised speeches. Students will be given many exercises and lectures to learn how to excel in delivering a speech with proper gestures and body language that is not only convincing but it will also help them enhance their personal confidence and presentation skills.

INFORMATION COMMUNICATION TECHNOLOGY (ICT)

The ICT program at LAS provides students with opportunities to participate in deeply engaging projects that involve strategic reasoning, critical thinking, problem-solving and creativity. The learning environment and course design is carefully developed according to the analysis of learner needs to provide targeted learning and to ensure student acquisition of skills that they will need to assume a position in a technological progressive society.

Courses are focused on the development of multi-level ICT skills with its application to real-world scenarios as it is crucial that students develop essential ICT skills to cope with the future demands of a technologically progressive society. Recognizing the prevalence of fast-paced technological changes of today's society the ICT curriculum guides the students towards self-directed learning so that their learning trends exhibit emerging personality characteristics of lifelong learners.

Yearbook

Grade: 9-12 Length: Year Credit: Elective

Prerequisite: None

Homework: Heavy 

This is an intensive course that is designed to teach students design skills using Illustrator, Photoshop and InDesign. Students need to have prior knowledge of basic level Photoshop to be successful in this course. This is a project based course in which students are responsible for designing and developing the entire yearbook for the school. Students will learn the proper design and layout techniques required by the publication industry and learn to create and produce an electronic and a print publication of the yearbook.

Introduction to Computer Science

Grade: 9 and 12 Length: Year Credit: Elective

Prerequisite: None

Homework: Moderate 

Introduction to Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. The course is designed to focus on the conceptual ideas of computing and help students understand why certain tools might be utilized to solve particular problems. The goal of Introduction to Computer Science is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students.

Vex Robotics

Grade: 9-11 Length: Year Credit: Elective

Prerequisite: None

Homework: Light 

Students will be given introductions to the VEX Robotics Design System and learn key STEM principles. The curriculum is heavily focused on mechatronic (a blend of mechanical engineering, electrical engineering, and computer control and information technology) principles in the first semester. Programming is the focus of the second semester as control of the robots is done autonomously with sensors.

AP Computer Science

Grade: 11-12 Length: Year Credit: Elective

Prerequisite: Introduction to computer science and teacher permission

Homework: Heaviest 

The AP Computer Science A course is an introductory college level course. A large part of the course is built around the development of computer programs that correctly solve a given problem. The design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. The course is taught using the Java programming language.

SERVICE

Community Recreation and Leadership

Grade: 9-12 Length: Year Credit: Community Service, Elective

Prerequisite: None

Homework: Light 

Community Service and Leadership focuses to investigate social issues and problems facing our communities. The Students will have the opportunity to discuss, research, and ponder significant issues that directly affect both our local and global communities. In particular, this class will:

- Provide a general understanding of personal leadership power and student's role in the community;
- Assist student in applying these leadership skills within school and community settings,
- Give students hands-on experience working with various community issues such as hunger, homelessness, environmental issues, education, health, etc.;
- Provide opportunities to work together toward creative solutions for community problems.