



P. O. Box 127328
Jeddah 21352
Saudi Arabia

Dear High School Students:

While we understand that every student may not choose to attend a four-year university immediately after graduating from AISJ, we believe it is important for each graduate to have that door always open to him or her.

Therefore, the AISJ high school academic program is designed to qualify all AISJ high school students for admission and success in a four-year university. One way we meet that goal is to provide a comprehensive academic program combined with offerings in the arts, athletics, and activities.

This course catalog describes all the classes available to students returning for the 2010-2011 school year as well as the necessary pre-requisites for each one. This catalog also contains information about graduation requirements and college planning. It is recommended that it be read carefully and used as a reference when students plan their class schedules. The classes that students take now will determine their future options.

Please be aware: There is a difference between what AISJ requires to graduate and what colleges require for admission. Students should research college admissions requirements carefully. In some cases AISJ requires more than a college might (fine arts for example). In other cases, AISJ doesn't require as much as the colleges might (Algebra II for instance). Check carefully. Are you going to Canada? The US? England? Korea? Lebanon? Each college within the different countries has its own requirements and distinct admissions process.

The recommendation from the principal is that students take as much English, math, science, social studies, foreign language, and fine arts as they possibly can. These are the courses that open future doors. If a student is up to the challenge of more homework and a faster pace, he or she might want to consider applying for an Advanced Placement class. No matter what classes students choose, they should be ready to work hard to earn their grades.

If you have any questions, please feel free to ask the Counseling Office.

Sincerely,

Mr. Gil Briones
Middle/High School Principal

Minimum Graduation Requirements

The American International School of Jeddah's U.S. high school diploma is awarded to individuals who have earned the minimum number of required high school credits. Credits are awarded for the successful completion of course work each semester.

To earn an AISJ diploma students graduating must earn 27 credits from the following specific academic categories.

Class of 2010, 2011 and beyond

| | |
|---|-----|
| English | 4 |
| Math with Algebra II | 3 |
| Science with Biology | 3 |
| Social Studies with US History | 3 |
| World Languages (*consecutive years) | 2 |
| Computers | 1 |
| Fine Arts | 1.5 |
| Physical Education | 1.5 |
| Health | .5 |
| Arabic (MOE) Requirement | 4 |
| Electives | 3.5 |
| TOTAL | 27 |

General High School Information – Academic Program

Entrance Requirements:

AISJ accepts students whose admission test scores meet the minimum standards established by the Board policy and whose official records indicate that they are in good academic standing, having studied equivalent courses. In some cases, the admissions test may be waived by the high school principal if a student's official records and transcripts demonstrate a high level of success at a school accredited by one of the seven US regional Accreditation Boards or the European Council of International Schools (ECIS).

Enrollment:

New students should enroll in school within the first fifteen school days. Students who do not enroll within the first fifteen school days of each semester will be required to provide “grades to date” from their previous school. Those grades will be averaged into grades earned at AISJ to determine quarter and semester grades. Students from other schools in Jeddah may enter only within the first fifteen days at the start of each semester. After the first fifteen days of school, admissions applications will only be considered for students whose families are relocating to Jeddah from another city or country.

Grade Placement and Transfer Credits:

A student's grade placement upon entering AISJ depends upon the number of high school credits he or she has earned at the time of enrollment. Students are not admitted as seniors unless they can graduate at the end of the school year in which they enroll. A student coming from a school not accredited by one of the seven US regional Accreditation Boards or the European Council of International Schools (ECIS) must earn a minimum of 12 credits at AISJ and may transfer in a maximum of 6 credits per year. Students transferring from an accredited school may transfer in up to 8 credits per year maximum.

2009 and beyond (27 credits) - Class Standing:

Students must complete and pass **6 credits** to be classified as a **sophomore** (grade 10). Students must complete and pass **13 credits** to be classified as a **junior** (grade 11). Students must complete and pass **20 credits** to be classified a **senior** (grade 12). Credits will be evaluated in June of each year.

Credit Deficiencies/Failed classes:

Students who are deficient of credit for graduation because of failed classes taken during the regular school year may make up the credit during the summer immediately following the school year in which the classes were failed. If a student chooses not to enroll in **an accredited summer program immediately following the school year a class failure has occurred**, the student's schedule may be changed for the following school year and the opportunity to re-take the class in the future may no longer be available. **These courses must be pre-approved by the counselor and principal prior to enrollment.** The original failing grade will remain on the school's transcript and only a grade of “P”- passing or “F”- failing will be recorded for the make-up class.

Accredited correspondence classes and internet classes are also an acceptable method by which to make up credits but must be pre-approved by the Counselor and the Principal.

Students who choose to participate in courses outside of the regular AISJ high school program are solely responsible for successfully enrolling in and successfully completing the program and having their final grades sent to the high school. Students intending to receive credits during a pre-approved summer course must earn a minimum grade of a “C” (73%) in any classes they take for credit retrieval.

A maximum of 2.0 credits from outside AISJ, such as correspondence or summer school, can be counted toward graduation over the course of four years. This is the equivalent of one semester course per year enrolled at AISJ. No more than two classes can be taken at any one time outside of AISJ.

Summer School Policy:

Credit will only be given for summer school classes when a student has failed a particular class during the normal school year and is repeating the class for credit retrieval purposes only. Credits will not be given for enrichment classes. **No credits will be accepted if they did not receive pre-approval.** The appropriate forms for pre-approval of summer school programs are located in the Counseling Office.

Repeating a Class for Credit:

Students are permitted to re-take a class in order to improve their grade. However, credit cannot be earned twice for the same course. The original grades must stay on the official record.

Schedule change policy:

Responsible decisions need to be made when selecting courses in the course pre-registration process each spring. A parent signature/approval on the pre-registration forms is required. Schedules will be handed out prior to the end of the school year for the following year. There will be a period of time for schedule changes and adjustments to be made before the end of the school year. **Please choose wisely.**

Schedule change requests can only be made during the first two weeks of each semester. A "Schedule Change Request" form must be filled out stating the reason for the request **with a parent signature**. Only after the request has been approved will a student's schedule be changed. The following limited reasons will be considered for approval of schedule changes:

- Inappropriate course level as directed by the pre-requisites courses required, final grade, and/or teacher/counselor recommendation
- A graduation requirement must be met for a senior to graduate in June.

Advanced Placement Program

To provide students with an increased academic challenge and the opportunity to earn college credit while in high school, AISJ offers, if there is sufficient enrollment and staffing, the following Advanced Placement (AP) courses:

- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Computer Science A
- AP Economics (macro & micro)
- AP English Literature
- AP English Language and Composition
- AP French Language
- AP Physics
- AP Studio Art - A.P Art Portfolio
- AP United States History
- AP World History
- AP Psychology

Since Advanced Placement classes are college-level, students must meet the entrance pre-requisites. Students must have a minimum overall grade point average of 3.0 in the particular subject and the approval of the AP Committee to enroll in an AP course due to the accelerated pace and extra demands of the course. A panel consisting of the counselor, principal and teachers will make the final recommendation as to which AP classes and the number of AP courses that a student may take. Students must fill out an application and submit it to the AP Committee.

AP classes carry a weighted grade point average. Taking an AP class is a commitment and students should expect to take the class for the year. Students should also expect to attend extra class sessions throughout the year and complete summer assignments as required prior to the start of the school year. Students who are enrolled in the class for the full year and take the AP Exam are entitled to a full point (1 point) weight added to their grade point average. Students who enroll in the class for the full year but choose not to take the exam or students who drop the course at the end of the first semester are not entitled to any weight added to their grade point average.

If a student is having difficulty and they want to drop an AP class after the designated period for adding/dropping classes at the beginning of the semester, they must stay in the class for the remainder of the semester. Changes for AP classes can only be made during the first two weeks of each semester with permission of the principal. If a student requests to drop the class during the year, the grades earned for the semester will remain on the transcript. Also, the student will not have his or her grade point average weighted. **Students who enroll in an AP class and do not drop it within the first two weeks of the semester are required to stay in the class a minimum of one semester.**

Recommended High School Course Planning Guide for College/University

It is important for students to understand that our graduation requirements are the minimum to receive a diploma. However, colleges and universities want and expect more than the minimum for admission requirements. The following information is meant to be used as a guide for the selection of courses that BEST helps a student enter these kinds of universities and colleges in the USA and Canada. The more Advanced Placement (AP) classes a student takes and does well in, the better.

Most Difficult / Highly Competitive Universities (Top 50-100 schools), (Students in the top 10% of your class):

| <i>9th Grade</i> | <i>10th Grade</i> | <i>11th Grade</i> | <i>12th Grade</i> |
|---|--|--|---|
| English 9 | English 10 | English 11 or AP Eng. Lang. | AP Eng. Lit. |
| Geometry Biology | Alg. II Chemistry | Pre-Calculus Physics and AP Biology | AP Calculus-AB AP Chem. &/or AP Physics |
| Ancient W. Hist. | Mod. World History Economics & | US Hist. / AP US Hist. or AP Mod. W. Hist. | AP Economics/ AP US Hist. / AP W. Hist. |
| World Lang. I* Computer Science and/or Fine Art | World Lang. II* Computer Science and/or Fine Art | World Lang III* Computer Science and/or Fine Art | World Lang. IV* |

Very Difficult / Very Competitive Universities (Next 100 top schools):

| <i>9th Grade</i> | <i>10th Grade</i> | <i>11th Grade</i> | <i>12th Grade</i> |
|---|--|---|--|
| English 9 | English 10 | English 11 or AP Eng. Lang. | AP Eng. Lit. |
| Algebra I or Geometry | Geometry or Alg. II | Alg. II or Pre-Calculus | Pre-Calculus or AP Calculus-AB |
| Physical Sci. | Biology and/or AP Bio | Chemistry and/or Physics AP Bio, AP Chem., | Physics and/or |
| Ancient W. Hist. | Mod. World History | US Hist &/or Economics | AP Physics AP Economics/ AP US Hist. / AP W. Hist. |
| World Lang. I* Computer Science and/or Fine Art | World Lang. II* Computer Science and/or Fine Art | World Lang III* Computer Science and/or Fine Art (optional) | World Lang. IV* |

Moderately Difficult / Competitive Universities (Next 1000 + top schools):

| <i>9th Grade</i> | <i>10th Grade</i> | <i>11th Grade</i> | <i>12th Grade</i> |
|---|--|--|--|
| English 9 Algebra I | English 10 Geometry | English 11 Alg. II | English 12 Alg. II or Pre- Calculus |
| Physical Sci. | Biology | Chemistry and/or Physics AP Science | Physics and/or |
| Ancient W. Hist. | Mod. World History | US History &/or Economics | Senior S. Studies class, Econ. or AP S. Studies |
| World Lang. I* Computer Science and/or Fine Art | World Lang. II* Computer Science and/or Fine Art | World Lang III* (optional) Computer Science and/or Fine Art (optional) | World Lang IV* |

***Includes Native Arabic / AFL (Arabic as a Foreign Language)**

Students are advised to take the most challenging academic program of studies they can successfully complete. Often the academic classes and program a student takes can mean more to the colleges & universities than some of the other admissions requirements colleges ask for, such as the SAT I, II and TOEFL test.

English

English 9: (COURSE CODE: 004)

2 consecutive semesters

Grade: 9 (1/2 Credit earned each semester)

This course focuses on English language skills and academic writing skills. Students learn mastery of basic skills in English grammar, literature, and composition. Academic writing incorporates MLA essays, research projects, expository, persuasive and reflexive writing. Analysis of literary genres includes the short story, poetry, novels, works of non-fiction, and Shakespearean drama.

Resources: Elements of Literature, Third Course; Holt, Rinehart and Winston

English 10: (COURSE CODE: 016)

2 consecutive semesters

Grade: 10 (1/2 Credit earned each semester)

This course places emphasis on introduction, analysis, and appreciation of world literature. Critical thinking skills are developed through analysis of literature in a variety of genres from around the world. Academic writing skills are reinforced through MLA research, analytical writing, and vocabulary acquisition, in addition to various forms of writing that include but are not limited to reflective, narrative, and persuasive essays. Students continue their study of Shakespearean drama and the literary elements and devices in poetry, novels, works of non-fiction, and epic literature.

Resources: Elements of Literature, Fourth Course; Holt, Rinehart and Winston

English 11: (COURSE CODE: 025)

2 consecutive semesters

Grade: 11 (1/2 Credit earned each semester)

This course analyzes the literary movements of American Literature from the Colonial Period to the Modern Ages. Students achieve mastery of literary analysis, focusing on critical essays, poetry, personal memoirs, short fiction, the novel, and non-fiction. Students will write analytical essays, lead class discussions, keep a reading response journal, and make presentations to share their ideas. Students' critical academic writing skills are reinforced through MLA research. Students will learn to review Internet and library research to use for future college research assignments. Students incorporate rhetorical devices in their writing and verbal debates of issues inherent in American Literature.

Resources: Elements of Literature – American Literature, Fifth Course; Holt, Rinehart and Winston

English 12: (COURSE CODE: 026)

2 consecutive semesters

Grade: 12 (1/2 Credit earned each semester)

This course is designed to prepare students for the demands of a college or university level environment. Writing assignments of a creative and analytical nature are emphasized. The majority of readings is drawn from the British canon and provides contemporary issues. Students demonstrate mastery of MLA format writing through literary analysis and research essays; in addition, students exhibit writing and communication skills developed through university admission essays, formal debates, and a Senior Independent Project.

Resources: Elements of Literature, Sixth Course; Holt, Rinehart and Winston

Advanced Placement (AP) English Language and Composition: (COURSE CODE: 032)

Grades: 11-12 (1/2 Credit earned each semester) 2 consecutive semesters

Pre-requisite: Recommendation of previous English Instructor and completion of summer assignment is required. This course is recommended for strong grade 11/12 students. Students must apply to take this class through the AP application process.

This course is designed to prepare students for the Advance Placement Language and Composition exam. This advanced placement course in English Language engages students in becoming skilled readers of prose written in a variety of periods, discipline, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both writing and reading should make students aware of the intentions among generic conventions and the resources of language contribute to effectiveness in writing.

The culmination of this course is taking the Advanced Placement English Language and Composition exam in May.

Resources: 50 Essays: A Portable Anthology—Samuel Cohen, Bedford/ St. Martin’s

Advanced Placement (AP) English Literature and Composition: (COURSE CODE: 027)

Grade: 12 (1/2 Credit earned each semester) 2 consecutive semesters

Pre-requisite: Recommendation of previous English Instructor; completion of summer assignment is required. Students must apply to take this class through the AP application process.

This Advance Placement course in English Literature engages students in the careful reading and critical analysis of various genres of literature primarily in the Western canon. The course emphasizes extensive writing about excerpts of prose and poetry selections, as well as writing about entire novels and plays. Writing instruction in the course guides students toward developing and organizing ideas in clear, coherent, and persuasive language.

The culmination of this course is taking the Advanced Placement English Literature exam in May.

***Resources: The Bedford Introduction to Literature –Sixth Edition (Michael Meyer, Bedford/St. Martins)
The Elements of Literature – Holt, Rhinehart, and Winston***

English Electives

Creative Writing: (COURSE CODE: 034)

One semester

Grades: 10-12 (1/2 Credit earned per semester)

This semester English elective course allows students to discover their voice through writing and improve their writing skills by exploring a wide array of literary genres. Students will work collaboratively in circle-group readings and discussions for critical analysis and feedback of student work. Writing genres to be explored include a multimedia presentation, the personal essay, short story, memoir, and poetry. In addition, students will read a variety of works to better determine writing elements and stylistic devices that will enhance each student's own writing.

The student-writing portfolio is a major component in the course grading system. Open to students in grades 10-12.

Yearbook: (COURSE CODE: 908)

2 consecutive semesters

Grades: 10 –12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of English I and required computer applications classes and permission of the Yearbook instructor, teacher recommendations or department approval.

The yearbook course is a practical course designed to produce the official yearbook for the school. Students in this course will learn the skills of Journalism, Layout & Design, Marketing, Sales & Advertising, Photography, and Graphic Design. Students will photograph people, places, and events important to the school year, lay out pages, and care for all financial aspects of yearbook production. Classroom activities are closely related to the real world of interviewing, reporting, meeting deadlines and producing a widely viewed publication.

Journalism/Newspaper: (COURSE CODE: 913)

1 or 2 semesters

Grades: 11/12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of required computer applications classes, digital photography or the equivalent computer classes. Can be repeated for credit.

Students will learn journalistic writing skills: news reporting, feature writing, entertainment writing, and editorial writing. Students will improve social and verbal skills through interviewing. The students will learn the basics of layout design while producing and publishing the AISJ high school newspaper.

Mathematics

| Grade 8 | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|-----------------------------------|---|--------------|----------------|--|
| Pre-Algebra | | Algebra I | Geometry | Algebra II |
| | Algebra I | Geometry | Algebra II | Pre-Calculus (optional) |
| Algebra I (No HS credit given) | Geometry | Algebra II | Pre-Calculus | *AP Calculus-AB or Senior Math (Optional) |
| Algebra I (No HS credit given) | Geometry and Algebra II (with teacher approval only) | Pre-Calculus | AP Calculus-AB | AP Calculus BC |

Algebra I: (COURSE CODE: 118)

2 consecutive semesters

Grades: 9-10 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Pre-Algebra or department recommendation

This course is the first year of study of generalized or abstract arithmetic. General situations are studied using symbols, formulas, equations and inequalities instead of specific cases using numbers. Emphasis is upon broad, basic and unifying algebraic concepts and principals. Students build on the skills they already have through the study of numbers, the precise use of language.

The topics include Tools of Algebra, Solving Linear equations, Functions, Analyzing Linear Equations, Solving systems of linear equations, Solving linear inequalities, Polynomials, Introduction to Quadratic equations.

Resources: Algebra, Prentice Hall.

Geometry: (COURSE CODE: 104)

2 consecutive semesters

Grades: 9-11 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Algebra I or department recommendation after completing and passing the Challenge Exam. With a final grade of A or higher in Algebra I, excellent work habits, department recommendation and teacher recommendation, a student may take Geometry and Algebra II concurrently

Geometry is the application of algebra as related to geometric concepts. Specific cases are studied using geometric figures and construction to establish geometric language and logic. Emphasis is placed on a core curriculum that leads to the development of a precise geometric language and the operational skills needed to enhance geometric measures, problem solving skills and geometric proofs.

The topics include Points, lines, planes and angles, Proofs, Congruent Triangles, Proportions, Pythagorean Theorem, Quadrilaterals, Circles, Areas and Perimeters of basic shapes.

Resources: Geometry: Tools For A Changing World, Prentice Hall.

Algebra II: (COURSE CODE: 113)

2 consecutive semesters

*Grades: 9-12 (1/2 Credit earned each semester)**Pre-requisite: Successful completion of Algebra I and current teacher recommendation.**With a final grade of A or higher in Algebra I, excellent work habits, department recommendation and teacher recommendation, a student may take Geometry and Algebra II concurrently.**Students are introduced to Graphing calculator. TI 83/ 84/ 86 are recommended.*

Algebra II is the continuation of Algebra I and is designed and is strongly recommended for any student who plans to go to a four-year university or college. It is a comprehensive study of Algebra. Topics include Matrices, Quadratic Equations and Functions, Polynomials and polynomial functions, Exponential and logarithmic functions, rational functions, Sequences and Series, Introduction to Trigonometric functions.

*Resources: Advanced Algebra, Prentice Hall.***SAT Prep Math : 1/2 credit**

1 semester

*(Grades 11- 12)**This course is designed to improve the SAT scores of college bound students. This course will help you to improve the critical thinking skills , analyze and solve problems. At the end of this course, you feel confident, stay focused and limit the time on any question.*

In this course we will be solving previous Practice SAT Exams, reviewing numbers, operations, Algebra and Functions, Geometry, Measurements, Data Analysis, Statistics and Probability.

Pre-Calculus: (COURSE CODE: 121)

2 consecutive semesters

*Grades: 10-12 (1/2 Credit earned each semester)**Pre-requisite: Successful completion of Algebra II & Trig with a year average of C+ (77%) or higher and teacher recommendation. Students need to purchase a graphing calculator. (Preferably a Texas Instrument TI 83 Plus, TI 84 or TI 86)*

This course is designed for college bound student with above average ability in math. This will strengthen students understanding of concepts in Algebra and they will learn to operate graphing calculators. Topics include relations, functions and graphs, systems of equations and inequalities, the nature of graphs, polynomial and rational functions, trigonometry, graphs and inverse functions, trigonometric identities and equations, exponential and logarithmic functions.

Resources: Advanced Mathematical Concepts Pre Calculus with Applications; Merrill; McGraw Hill.

Advanced Placement (AP) Calculus - AB: (COURSE CODE: 123) 2 consecutive semesters

Grades: 11-12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Pre-Calculus with a final grade of A- or more, successful completion of Physics, and teacher recommendation. Students need to purchase a graphing calculator. (Preferably a Texas Instrument TI 83 Plus, TI 84/ TI 86) Students must apply to take this class through the AP application process.

Students need to purchase a graphing calculator. (Preferably a Texas Instrument TI 83 Plus or higher model)

AP courses in calculus consist of a full high school academic year of work and are comparable to Calculus courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning.

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

Topic Outline for Calculus AB

- 1) Functions, Graphs, and Limits- Limits of functions (including one-sided limits) Asymptotic and unbounded behavior, Continuity as a property of function
- 2) Derivatives- Concept of the derivative, Derivative at a point, Derivative as a function, Second derivatives, Applications of derivatives, Computation of derivatives
- 3) Integrals- Interpretations and properties of definite integrals, Applications of integrals, Fundamental Theorem of Calculus, Techniques of anti differentiation, Applications of anti differentiation, Numerical approximations to definite integrals

The culmination of this course is taking the Advanced Placement Calculus-AB exam in May.

Resources: Calculus - Seventh Edition, Houghton Mifflin, 2002.

Advanced Placement (AP) Calculus – BC: (COURSE CODE: 124) 2 consecutive semesters

Grades: 12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of AP Calculus AB with a final grade of B+ or more, successful completion of Physics, and teacher recommendation.

Students need to purchase a graphing calculator. (Preferably a Texas Instrument TI83 Plus or higher model) Students must apply to take this class through the AP application process.

This is an independent learning class.

The topic outline for Calculus BC includes all Calculus AB topics. The additional topics included will be Parametric, Polar and Vector Functions, Integration by parts, Integration by trigonometric substitution, Taylor Series, Mc Laurin Series, Convergence and Divergence.

The culmination of this course is taking the Advanced Placement Calculus- BC exam in May.

Resources: Calculus- with Analytic Geometry Seventh Edition, Larson, Hostetler and Edwards; Houghton Mifflin, 2002.

Science

Physical Science: (COURSE CODE: 204)

2 consecutive semesters

Grade: 9 (1/2 Credit earned each semester)

This course builds a foundation for future physical science courses. Students are taught to use mathematical problem-solving techniques to promote scientific learning. Students will develop a well-rounded study skills base to enhance and reinforce good habits, positive attitudes and scientific literacy. Activities, such as laboratory exercises, demonstrations and presentations, are used to enrich learning and stimulate interest. Topics include force, motion, energy, waves, light, sound, elements, compounds, chemical reactions, energy resources and environmental awareness.

Resources: Physical Science: Holt Science and Technology, Holt, Rinehart and Winston, 2001

Biology : (COURSE CODE: 205)

2 consecutive semesters

Grade 9-12 (1/2 credit earned each semester)

Pre-requisite: Successful completion of a Physical Science class or current enrollment in geometry with teacher permission.

The purpose of this course is to explore the amazing and wondrous web of life. This class will focus on nine major topics: biological principles, cells, genetics, evolution, ecology, microorganisms, plants, animals, and the human body. Investigative, reading, writing, and math skills will be incorporated to assist students in their preparation for advanced science classes at the high school level, college and/or world citizenship. Students will be better prepared to make responsible, sound decisions on the preservation of life. At the end of the course, the student should be able to understand and use biological concepts and principles; know and apply the skills and processes of biology and technology used in the field; and understand the nature and contexts of biology.

Resources: Modern Biology, Austin: Holt, Rinehart, and Winston, 2002

Chemistry: (COURSE CODE: 210)

2 consecutive semesters

Grades: 11-12 (1/2 Credit earned each semester)

Pre-requisite: B or higher in Algebra I

Students will be able to learn how to think like a chemist, to solve problems using logic, trial and error, intuition, and patience. This course is a one-year general chemistry course for the high school students. The course meets the United States colleges and universities requirements for a laboratory science and it is a pre-requisite for the Advanced Placement Chemistry class. Students will investigate the basic principles of chemistry including the structure of matter, the changes it undergoes, and the energy that accompanies those changes. The course will be focused around students learning through discovery and laboratory learning.

Resources: Chemistry: 5th Edition, Prentice Hall, 2000

Physics: (COURSE CODE: 208)

2 consecutive semesters

Grades: 11-12 (1/2 Credit earned each semester)

Pre-requisites: Successful completion of Biology I. Students must have attained a C (73%) or higher in Algebra I and II. Students must either have completed Pre-calculus or be taking this concurrently with the physics course.

This course serves as an introduction to physics and emphasizes physical concepts by illustrating the relationship between theory and practice. The primary objective is that students will develop both a scientific way of thinking and a working knowledge of scientific principles. Demonstrations, laboratory exercises and presentations contribute greatly to the effectiveness of this course. Topics covered include vectors, kinematics, mechanics, energy thermodynamics, waves, optics, electromagnetism and nuclear physics. The internet will be used as a tool to echo the topics presented in the course text by browsing the web for related content.

Resources: Holt Physics, Serway/Faughn; Holt, Rinehart and Winston, 1999

Environmental Science: (COURSE CODE: 207)

2 consecutive semesters

Grades: 11-12 (1/2 Credit earned each semester)

This course is an interdisciplinary field that integrates important information from a number of different fields such as Biology, Geography, Chemistry, Physics, Economics, Sociology, Law and politics. The aim of the course is to analyze many of the issues concerning our environment. Issues such as the growing world population and the pressures on natural resources are investigated. Environmental degradation, poverty, and many forms of pollution are also discussed. It is hoped that by the end of the course the students would have developed a higher appreciation of their environment and treat it accordingly.

Students should expect lab work just like any other science.

Resources: Environmental Science, Holt, Rinehart and Winston, 2000

Advanced Placement (AP) Biology: (COURSE CODE: 215)

2 consecutive semesters

Grade 11-12 (1/2 Credit earned each semester)

*Pre-requisite: Biology I with an A or B grade and Chemistry I with an A or B grade **or** Biology I with an A grade and concurrent enrollment in Chemistry I. Students must have a minimum of a 3.0 cumulative grade point average and must apply for entrance into the class through the AP application process.*

This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. This course differs significantly from the usual first high school course in Biology with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work done by students, and the time and effort required of students. The course aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of Biology. Unit exams are given in the evenings throughout the year and additional lab time will be required on the weekends.

The culmination of this course is taking the Advanced Placement Biology exam in May.

Resources: Biology, Campbell, Neil A. and Jane B. Reece, San Francisco: Pearson Benjamin Cummings, 2005

Advanced Placement (AP) Chemistry: (COURSE CODE: 201)

2 consecutive semesters

Grades: 11-12 (1/2 Credit earned each semester)

Pre-requisite: B+ or higher in Chemistry, and a B+ or higher in Algebra I. If a student is coming from any other school in the same academic year, she/he must have an A or higher in Chemistry I and Algebra I and teacher recommendation. Students must apply to take this class through the AP application process.

This course is a first year college equivalency course and is intended for successful Chemistry I students who have demonstrated a willingness to commit considerable time to studying and completing assignments outside of class. AP Chemistry requires problem solving via dimensional analysis and mathematical rigor, technical reading from a variety of sources and completing two-hour lab sessions every other week outside of class since this course has a strong lab component. Students will investigate the basic principles of chemistry including the structure of matter, the changes it undergoes, and the energy that accompanies those changes. The course will be focused around students learning through discovery and laboratory learning. Topics covered include stoichiometry, thermo chemistry, chemical kinetics and equilibrium, solutions and solubility, acids and bases, electrochemistry, and structure and bonding.

The culmination of this course is taking the AP Chemistry exam in May.

Resources: AP Chemistry: 6th Edition, Houghton Mifflin, 2003

Advanced Placement (AP) Physics B: (COURSE CODE: 222)

2 consecutive semesters

Grades: 11-12 (1/2 Credit earned each semester)

The Physics B course includes topics in the five content areas: Newtonian mechanics, fluid mechanics and thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics. A thorough knowledge of algebra and trigonometry is required and the basic ideas of calculus will be introduced in connection with physical concepts. Understanding of the basic principles involved and the ability to apply these principles in the solution of problems is a major goal of the course.

The culmination of this course is taking the AP Physics B exam in May.

Elective Science

Science of the 21st Century:

One semester

Grades 9 – 12 (1/2 credit)

Pre-requisite: Concurrent enrolment in or successful completion of biology AND successful completion of physical science.

This course looks at the growing world of cell biology and genetics. This field of biology is one of the fastest evolving in Science with new improvements happening all the time. Students in this course will learn about genetics and the cell cycle. During this course students will extract DNA, use models to explain results and natural phenomena as well as research new advancements in the molecular biology. This course is designed for students who want to take both the SAT2 and the AP biology exams.

Resources: Modern Biology and AP biology text books.

Population Ecology:

2 consecutive semesters

Grades 9 – 12 (1/2 credit earned each semester)

Pre-requisite: Concurrent enrolment in or successful completion of biology AND successful completion of physical science.

This looks at the world of population ecology both in Saudi Arabia and globally. During the course, students will learn about the interactions between living organisms, the ecology cycles, different habitats and the different biotic Kingdoms. The Population Ecology course includes both Marine and terrestrial ecosystems. During the course students will be submitting insect collections, plant collections and complete field work involving the marine habitat. This course is designed for students who have an interest in ecology, animals and the environment. It is recommended for students that are contemplating sitting either AP biology or SAT2 exams take this course. This course is an extension of the existing Marine Biology course.

Social Studies

| | Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|-----------|-----------------------|--|---|---|
| 2007-2008 | Ancient World History | Modern World History AP World History Intro to Economics | Ancient World History or AP US History or AP World History AP Economics Intro to Econ | Senior S. Studies: Political Science and International Current Events OR AP Economics or AP World History or AP US History |
| 2008-2009 | Ancient World History | Modern World History AP World History Intro to Economics | US History or AP World History or AP US History AP Economics Intro to Econ | Senior S. Studies: Political Science and International Current Events OR AP Economics or AP World History or AP US History |
| 2009-2011 | Ancient World History | Modern World History AP World History Intro to Economics | US History or AP World History or AP US History AP Economics Intro to Econ or MUN | Senior S. Studies: Political Science and International Current Events OR AP Economics or AP World History or AP US History or MUN |

Ancient World History: (COURSE CODE: 323)

2 consecutive semesters

Grade: 9 (1/2 Credit earned each semester)

This course is a chronological presentation of Early World History. Students investigate the major events and factors that have influenced world development until 1500 CE. Care is taken to foster skills such as map reading, analysis of primary documents and critical reading and thinking. Major themes and their impact upon history are followed throughout the course; they include cultural diversity, development of world religion, economics and technology, governmental and social structures, and global interaction.

Resources: World History: Connections to Today, Prentice Hall

Modern World History: (COURSE CODE: 314)

2 consecutive semesters

Grade: 10 (1/2 Credit earned each semester)

This course is a chronological presentation of Modern World History. Students investigate the major events and factors that have influenced world development between 1500CE and the Present. Care is taken to foster skills such as map reading, analysis of primary documents and critical reading and thinking. Major themes and their impact upon history are followed throughout the course; they include cultural diversity, religion, economics and technology, governmental and social structures, and global interaction.

Resources: World History: Connections to Today, The Modern Era, Prentice Hall

United States History: (COURSE CODE: 313)

2 consecutive semesters

Grades: 11-12 (1/2 Credit earned each semester)

This course provides a broad analysis of the social, political, economic and cultural history of the United States, from the settling of the Americas to the challenges of the present day. Students learn how people, resources, conflicts, wars, governments, religions, migration, immigration, science and technology effect history over time. Special emphasis is given to the causes of the American Revolution and Civil Wars, Declaration of Independence, Constitution, and important trends such as the struggle for and maintenance of equality/freedom.

Resources: America: Pathways to the Present, Prentice Hall

Advanced Placement (AP) Economics: (COURSE CODE: 311)

2 consecutive semesters

Grades: 10-12 (1/2 Credit earned each semester)

Prerequisites: Students must have enough credits to qualify as a junior. Students must have a minimum of a 3.0 cumulative grade point average in Social Studies classes. Students must apply for entrance into the class through the AP application process.

Students will study both Microeconomics and Macroeconomics principles throughout the course of the year in preparation for the College Board's Advanced Placement Examination. During the first semester, students will gain an understanding of principles that apply to individual consumers within the larger economic system. The primary emphasis of study will be focused on product markets, factor markets, and the government's role in promoting greater competition, efficiency and equity in the economy. The second portion of the course will deal with Macroeconomics principles. Students will learn how a nation's economic performance is measured. Primary emphasis will be in the areas of national income and price determination. Issues of international trade and future economic growth will also be studied. The course will conclude with a final project in which the students will analyze and present solutions for the current economic problems of a nation.

The culmination of this course is taking the Advanced Placement Economics exam in May.

Resources: Economics, McGraw-Hill

Advanced Placement (AP) World History: (COURSE CODE: 312)

2 consecutive semesters

Grades: 10-12 (1/2 Credit earned each semester)

Pre-requisite: Students must have a minimum of a 3.0 cumulative grade point average in English and Social Studies classes. Students must apply for entrance into the class through the AP application process.

This Advance Placement course will develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as makes comparisons among major societies. Focused primarily on the past thousand years of global experiences, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000 CE. Periodization, explicitly discussed, forms the organizing principle for dealing with change and continuity from the past to the present. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

The culmination of this course is taking the Advanced Placement World History exam in May.

Resources: The Earth and Its People: A Global History, Houghton Mifflin

Advanced Placement (AP) United States History: (COURSE CODE: 321)

2 consecutive semesters

Grades: 11-12 (1/2 Credit earned each semester)

Pre-requisite: Students must have a minimum of a 3.0 cumulative grade point average in English and Social Studies classes. Students must apply for entrance into the class through the AP application process.

The AP program in United States History is designed to help the student develop the analytical skills and factual knowledge necessary to deal with the problems and materials in United States history. The program prepares one for intermediate college courses by demanding skills equivalent to those acquired in a full year introductory college course. Students learn to assess historical materials and their relevance to a given issue, their reliability, and their importance, and to weigh the evidence and interpretations presented in historical scholarship. This AP course is designed to give students detailed understanding in the subject matter of United States history and in major interpretive questions that derive the study of selected themes.

The culmination of this course is taking the Advanced Placement United States History exam in May.

Social Studies elective classes:

Economics: (COURSE CODE: 319)

One semester

Grades: 10-12 (1/2 Credit earned each semester)

This course is designed to introduce the student to the principles of economics. The course explores the concept of a market economy and the role of the consumer within it. The first unit will include an introduction into basic concepts of economics such as scarcity, opportunity costs, trade offs, and money flow. The units focused on microeconomics will consist of an in-depth analysis of supply and demand theory, a look into the modern business organization, and an introduction into competitive and monopolistic markets. Using a macroeconomic approach, national economies will be investigated. Studies will include inflation and unemployment, aggregate supply and demand theory, monetary and fiscal policy, the national debt and taxation, and the function of government as it concerns the economy.

Survey of Humanities: (COURSE CODE: 322)

One semester

Grades: 11-12 (1/2 credit earned each semester)

This course is strongly recommended for students planning on studying at any Western university. It is intended to introduce students to the foundational ideas, themes and periods that have shaped western thought until today. It will follow a chronological sequence that integrates philosophy, art, music and literature. Students will be challenged through discussion and reflection papers, and they will sharpen critical thinking and reading skills. Subjects discussed will include Greek and Roman philosophy and literature, medieval belief systems and legends and ideas of the Scientific Revolution and Enlightenment.

Introduction to Psychology: (COURSE CODE: 324)

One semester

Grades: 11 – 12 (1/2 credit earned each semester)

This social studies elective course is an introduction to the principles and concepts of psychology, including founders, schools of thought, and behavioral disorders. Some of the topics studied include how individuals think, feel, and behave in regard to other people, personality development, abnormal behavior and its treatment, and the motivation behind individual behavior. A major focus would be on cognitive psychology including the following: perception, attention, memory, language, cultural cognition, and intuition. After taking this course the student will have a greater understanding of how the uniqueness of an individual develops and the work of psychologists.

Political Science and International Current Events: (COURSE CODE: 327)

2 semesters

Grades: 11, 12

This class is designed as a political science/comparative government course, with integrated emphasis on international relations/current events. Sub-topics include: Dilemmas of democracy, foundations of government, political institutions, civil rights, the role of people in government and comparative political/economic systems, including Russian communism and the Arab/Muslim world. Research, writing, communication and critical thinking skills, especially focused on current world political events, will be cultivated. Ongoing exercises to discuss, apply, and synthesize the material will be integral to the course. Students will engage in experiential learning, analyze problems, find neutral ground, and recognize the interconnectedness of the world. Students will also improve their public speaking and communication skills through discussions, debates, and presentations.

Model United Nations: (COURSE CODE: 333)

2 consecutive semesters

Grades: 11-12: (1/2 Credit earned each semester)

The Model United Nations (MUN) course is a unique class of highly motivated students. Students wishing to take MUN must be first approved by a committee of teachers. The purpose of AISJMUN is to increase your knowledge about international issues, policy making and the activities of the United Nations. Students will be required to exhibit valuable skills in public speaking, research and writing, negotiation and powers of persuasion, leadership, organization, and interpersonal communication. Students are expected to research and represent a United Nations Member-State, NGO and/or Non-Member-State at MUN conferences. Travel to international conferences is expected of all students. The time commitment of this course is great. Only students who are willing to commit themselves to after school mini-simulations and make themselves available for weekend conferences outside the Kingdom should apply for AISJMUN consideration.

Advanced Placement Psychology:

2 consecutive semesters

The AP Psychology 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 subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice (from College Board Course Description May 2009).

Physical Education & Health

Physical Education- Fitness & Sport I: (COURSE CODE - GIRLS: 410) (COURSE CODE - BOYS: 407)

One semester

Grades: 9-10: (1/2 Credit earned each semester)

*****This class is only open to students who must take it to meet the graduation requirement.***

This required course is a general physical education course in which students learn more advanced skills and tactical awareness in the following categories: invasion sports, striking/fielding sports, and net sports. Students will be exposed to Table Tennis, Volleyball, Soccer, Fitness and Basketball. Students will maintain/improve their personal fitness levels throughout the semester. Sportsmanship and friendly competition will be stressed during all units.

Physical Education- Fitness & Sport II:(COURSE CODE - GIRLS: 451) (COURSE CODE - BOYS: 452)

One semester

Grades: 11-12: (1/2 Credit earned each semester)

This required course is a general physical education course in which students learn more advanced skills and tactical awareness in the following categories: Striking/fielding, invasion and net sports. Students will be exposed to the following sports: Flag Football, Fitness, Floor Hockey, Basketball, softball and Track and Field. Students will maintain/improve their personal fitness levels throughout the semester. Sportsmanship and friendly competition will be stressed during all units.

Health: (COURSE CODE: 918)

One semester

Grades: 9-12: (1/2 Credit earned)

This class cannot be repeated for credit.

This class is required for graduation. Students will be introduced to a variety of current health issues including nutrition and diet, body systems, alcohol, tobacco, drugs, STD's, and AIDS. This class focuses on developing a healthy lifestyle and encourages students to choose responsible, healthy behaviors in order to improve and safeguard their health in the future.

Resources: Health: Skills for Wellness, Prentice Hall

Advanced Conditioning & Fitness: (COURSE CODE - GIRLS: 447) (COURSE CODE - BOYS: 446)

One Semester

Grades: 11- 12, Boys and Girls will take this class separately. (1/2 Credit earned- can repeat for elective credit)

Pre-requisite: Successful completion of all PE & health graduation requirements.

This class is designed for students who have met their PE graduation requirement and want to enroll in an advanced PE class. Students will make a personal fitness assessment and then be taught how to develop an individual program designed to meet their individually established goals. These goals will be in the area of cardio-vascular fitness, strength, muscular endurance, flexibility, quickness, agility and exercise. Swimming may be an option.

World Languages

General guidelines for the placement of students who are both new to AISJ and from other school systems into the World Languages department:

1. Students who have received an education (minimum 3 years) up to the equivalent of Grade 7 or Grade 8 in one of the foreign languages studied at AISJ will be entered at Level 4 provided they pass a proficiency exam and/or interview with the teacher.
2. Students who have received an education up to the equivalent of Grade 9 in one of the foreign languages studied at AISJ will be entered directly into AP provided they pass a proficiency exam and/or interview with the teacher.
3. Students who have studied a foreign language in their previous school and would like to continue to study here will be placed at the level matching their competence at the time of entry as determined by a proficiency exam and/or interview with the teacher.
4. For students who demonstrate fluency in one of the foreign languages studied at AISJ, the school reserves the right to place those students at the level they think is most appropriate as determined by a proficiency exam and/or teacher interview.
5. Senior students are accepted in Modern Language level 1 class, with the approval of the teacher.

French I: (COURSE CODE: 804)

2 consecutive semesters

Grades: 9-11 (1/2 Credit earned each semester)

This course is designed for students with little or no prior knowledge of the French language. This first year of French aims to provide the student with basic communication skills in French, the ability to read and understand a limited type of text and skills to write simply but creatively both conversational and narrative compositions. Priority is given to listening and speaking activities, reinforced by reading and writing. Grammar is used in context before being made explicit in grammatical terminology. The course also introduces the student to French speaking countries and their culture.

Resources: Allez, Viens 1, Holt Rinehart Winston: Student book, Activities book, and online practice materials.

French II: (COURSE CODE: 807)

2 consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

Pre-requisites: Successful completion of HS French I or completion of Middle school (3 semesters) French A, B, & C program with a C (73%) or better average and the Middle School French teacher's approval.

The second year French course expands on each of the four skills of listening, speaking, reading and writing developed in French I, with a continuing emphasis on using language in interesting, meaningful ways. The second year completes the introduction to the essential grammatical structures and tenses of French as well as to basic vocabulary. The reading program serves to reinforce the structures and vocabulary as well as to develop comprehension skills. The student would be able to understand long sentences which consist of recombination of learned elements in a limited number of content areas. The course also aims to familiarize the student with aspects of French culture. Resources include videos, magazines, advertisements, short stories, textbooks, and workbooks.

Resources: Allez, Viens 2, Holt Rinehart Winston: Student book, Activities book, and online practice materials.

French III: (COURSE CODE: 809)

2 consecutive semesters

*Grades: 9-12 (1/2 Credit earned each semester)**Pre-requisites: Successful completion of French II with a C grade (73%) or better and/or teacher recommendation.*

There is a continued emphasis on oral communication skills, with reading and writing skills becoming more important. Short stories, simple poems and audio/video material supplement and support the course. Communication skills are also refined through an appropriate novel study. Emphasis is given to vocabulary building through reading authentic French texts and using French as creatively as possible. Cultural experiences will be included in the class setting as frequently as possible. Advanced grammar is also studied.

Resources: Allez, Viens 3, Holt Rinehart Winston: Student book, Activities book, and online practice materials.

French IV: (COURSE CODE: 818)

2 consecutive semesters

*Grades: 9-12, (1/2 Credit earned each semester)**Pre-requisite: Successful completion of French III with a C (73 %) or higher and/or teacher recommendation.*

Students will master more complex grammatical structures and continue to improve fluency. Students will explore global issues of importance to French-speaking countries and learn to speak about them with ease. Literature will be used as a vehicle to enhance fluency and cultural knowledge. A wide range of texts including literature is studied to develop a variety of communicative skills. The study of grammar and structure is integrated in the course work. A variety of teaching methodologies and materials are incorporated, such as: taped conversations, songs, video, short stories, worldwide web, etc.

Resources: Bon Voyage! 3, Glencoe McGraw-Hill – En Bonne Forme, Houghton: Student book, Activities book, and online practice materials.

Advance Placement (AP) French Language: (COURSE CODE: 819)

2 consecutive semesters

*Grades: 10-12 (1/2 Credit earned each semester)**Pre-requisite: Successful completion of French IV with a C (80%) or higher and/or current teacher recommendation. Students must apply for this class through the AP application process.*

French V is an AP course leading to the examination of the AP French Language exam in May. It is a continuation course designed for foreign language learners to strengthen fluency and knowledge in the oral and written language. The course emphasizes the use of language for active communication and helps students develop the ability to understand spoken French in various contexts. It requires a French vocabulary sufficiently ample for reading newspaper and magazine articles, literary texts, and other non-technical writings without dependence on a dictionary. The course will develop students' ability to express themselves coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken French. **The culmination of this course is taking the Advanced Placement French Language exam in May.**

Resources: En Bonne Forme, Houghton – Trésors du temps, Glencoe McGraw-Hill

Spanish I: (COURSE CODE: 805)

2 consecutive semesters

Grades: 9-11 (1/2 Credit earned each semester)

This course beginning-level Spanish I course will begin to develop their Spanish language proficiency through extensive interaction in the target language. Each unit begins with a video dramatization that introduces the functions, vocabulary, and grammar targeted in the unit. Through videos, students see and hear native speakers in authentic locations around the Spanish-speaking world. Each unit includes numerous interactive activities, cultural notes, cultural interviews, songs and games. The activities help build competency in each of the four language skills--listening, speaking, reading, and writing.

Resources: Ven Conmigo, level I: Student book, Activities book, and online practice materials.

Spanish II: (COURSE CODE: 808) 2 consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Spanish or completion of Middle school (3 semester) Spanish A,B, & C program with a C (70%) or better average and the Middle School Spanish teacher's approval.

Building on Spanish I concepts, Spanish II students will learn to communicate more confidently about themselves as well as about topics beyond their own lives-both in formal and informal situations. Each lesson presents vocabulary, grammar and cultural items in context, followed by explanations and exercises. Language structure and grammar includes verb forms, tenses, moods and uses, impersonal constructions, and reported speech. Each unit includes a variety of interactive activities to accommodate different learning styles. Spanish II provides adequate review of vocabulary from Spanish I with further development of the vocabulary base. There is an ever –increasing emphasis on proficient oral communication using the past, present and future tenses. Followed by games, projects and activities giving students the opportunity to use the target language for personal enjoyment and enrichment.

Resources: Ven Conmigo, level II: Student book, Activities book, and online practice materials.

Spanish III: (COURSE CODE: 814) 2 consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Spanish II with a C (70%) or better average and/or teacher recommendation

This Spanish 3 course gives students a good understanding of written and spoken Spanish. Students will learn the language of travel and conversation in a foreign country. The culture of Spanish-speaking countries and regions will be studied. Spanish is used almost exclusively in the class as students develop the ability to discuss different kind of topics.

Resources: Ven Conmigo, level III: Student book, Activities book, and online practice materials.

Spanish IV: (COURSE CODE: 836) 2 consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Spanish III with a C (73%) or better average and/or teacher recommendation.

In Spanish IV we will use ¡Buen viaje! 3. This book consists of eight chapters, each focusing on a country or region of the Spanish-speaking world. Students will have the opportunity to explore the culture and history, journalism, and literature of each location, and to participate in conversations that would take place in that location. This course is designed with an in-depth view of the Spanish language. Students will form complex sentence structures and sustain lengthy conversations. Communication skills are developed and enhanced. The course will provide an opportunity for students to gain insights into Spanish-speaking. Students engage in conversation in Spanish to express feelings and ideas and exchange opinions.

Resources: Buen Viaje! 3; Glencoe: Student book, Activities book, and online practice materials.

Arabic Program / Islamic Studies Program

AFL I/Beginners (Arabic as a Foreign Language): (COURSE CODE: 806) 2 consecutive semesters

Grades: 9-12

This course fulfills the MOE Arabic requirements and counts toward World Languages credits for graduation. This full period class is designed for the non-native Arabic speaker. This course provides an opportunity for students to explore and develop their language in Arabic. Students will be introduced to the Arabic Alphabet, the very basic grammar and vocabulary. The student develops an awareness of the Arabic culture. The objective of this class is to converse, read and write utilizing the basics of the language they are taught.

Resources: The book "AlArabiyyah Assahlah"- Dar Elelm Lilmalayeen.

AFL I/Advanced (Arabic as a Foreign Language): (COURSE CODE: 806) 2 consecutive semesters

Grades: 9-12

This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation. This full period class is designed for the non-native Arabic speaker. This course provides an opportunity for students to explore and develop their language in Arabic. Students will be introduced to basic grammar and vocabulary, and develop an awareness of the Arabic culture. The objective of this class is to converse, read; write utilizing the basics of the language they are taught.

Resources: The book "AlArabiyyah Assahlah"- Dar Elelm Lilmalayeen.

AFL II (Arabic as a Foreign Language): (COURSE CODE: 817) 2 consecutive semesters

Grades: 9-12

Pre-requisite: Successful completion of Arabic I. This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation.

This full period class is designed for the non-native Arabic speaker. This course is a continuation of level one Arabic class. Students will use and write more complex vocabulary and sentences. Students will read dialog and stories from Arab cultures to develop cultural awareness as well as the four language skills: reading, writing, speaking and listening.

Resources: The book "AlArabiyyah Assahlah"- Dar Elelm Lilmalayeen.

AFL III (Arabic as a Foreign Language): (COURSE CODE: 820) 2 consecutive semesters

Grades: 10-12

Pre-requisite: Successful completion of Arabic II with a grade of C(75%) or better and/or teacher approval.

This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation. This full period class is designed for the non-native Arabic speaker. Extensive emphasis will be placed on speaking and writing. Grammar and vocabulary building will continue to be developed. Reading for understanding is required through the offering of stories and simple literary works. Cultural experiences will be included in the class setting as frequently as possible.

Resources: The book "AlArabiyyah Assahlah"- Dar Elelm Lilmalayeen.

AFL IV (Arabic as a Foreign Language): (COURSE CODE: 866) 2 consecutive semesters

Grades: 11-12

Pre-requisite: Successful completion of Arabic III with a grade of C (75%) or better and/or teacher approval. This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation.

This full period class is designed for serious student learning Arabic as a foreign language and is not intended for the native speakers. Students will continue to work on fluency with all grammatical structures. They will explore global issues of importance to Arabic speaking countries and learn to speak about them with ease. Literature will be used as a vehicle to enhance fluency and cultural knowledge.

Resources: Al-Kitaab: A textbook for Beginning Arabic/Georgetown Univ., Washington DC

AFL V (Arabic as a Foreign Language):

2 consecutive semesters

Grades: 11-12

Pre-requisite: Successful completion of Arabic IV with a grade of C (75%) or better and/or teacher approval. This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation.

This full period class is designed for serious student learning Arabic as a foreign language and is not intended for the native speakers. Students will continue to work on fluency with all grammatical structures. They will explore global issues of importance to Arabic speaking countries and learn to speak about them with ease. Literature will be used as a vehicle to enhance fluency and cultural knowledge.

Resources: The book " AlArabiyyah Assahlah"- Dar Elelm Lilmalayeen.

Native Arabic 9: (COURSE CODE: 861)

2 consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation.

This full period class is designed for the native Arabic speaker. This course provides an opportunity for students to explore and develop their language skills in Arabic. Students will be taught reading, writing, literature, grammar, and composition.

Resources: Al-Saheeh Fe Al-Qira'a Wa Al Adab

Native Arabic 10: (COURSE CODE: 862)

2 consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Arabic for Native Speakers I. This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation.

This full period class is designed for the native Arabic speaker. This course is a continuation of level I Arabic for Native Speakers. Students will continue to explore and develop their language skills in Arabic. Students will be taught reading, writing, literature, grammar, and composition.

Resources: Al-Saheeh Fe Al-Qira'a Wa Al Adab

Native Arabic 11: (COURSE CODE: 863)

2 consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Arabic for Native Speakers II. This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation.

This full period class is designed for the native Arabic speaker. This course is a continuation of level II Arabic for Native Speakers. Students will continue to explore and develop their language skills in Arabic. Students will be taught reading, writing, literature, grammar, and composition.

Resources: Al-Saheeh Fe Al-Qira'a Wa Al Adab

Native Arabic 12: (COURSE CODE: 864)

2 consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

Pre-requisite: Successful completion of Arabic for Native Speakers III. This course fulfills the MOE Arabic requirement and counts toward World Language credit for graduation.

This full period class is designed for the native Arabic speaker. This course is a continuation of level III Arabic for Native Speakers. Students will continue to explore and develop their language skills in Arabic. Students will be taught reading, writing, literature, grammar, and composition.

Resources: Al-Saheeh Fe Al-Qira'a Wa Al Adab

Islamic Studies (COURSE CODE - GIRLS: 910) (COURSE CODE - BOYS: 932) 1 or 2 semesters*Grades: 9-12 (1/2 Credit earned each semester)*

Boys and girls will take this class separately. This class is taught in English. This course will include instruction on Taw heed, Qur'an, Hadeeth, Fiqh, and the Seerah/History of Islam.

Computer Science / Information Technology

| Grade 9 | Grade 10 | Grade 11 | Grade 12 |
|---|-------------|-------------|-------------------------------------|
| Computer Applications 1/2 (SY2007-2008 only) | CS1+CS2 | Prog1+Prog2 | CS3+RITC Or AP Computer Sci A |
| CS1+CS2 | Prog1+Prog2 | CS3+RITC | AP Computer Sci A |

Computer Science I (CS 1): (COURSE CODE: 743)

One semester

Grades: 9 –12

This project based course is designed to provide the necessary skills and training for an entry-level position in the field of Web Design, Video editing, Desktop Publishing. Students learn to develop and maintain websites for teachers and for school, create videos for school related events, publish flyers and/or brochures for school events. The students would be exposed to the concepts that underlie the working of internet, and multimedia design and structure. The students will also use a graphics program like PhotoShop to edit the digital pictures so that they are rendered suitable for the web or DVD publications. Students will be required to create educational video for ES kids explaining a concept. Course grades will be based primarily on the success in completing projects in the classroom.

Flash Disk required (2GB Minimum)

Computer Science II (CS 2): (COURSE CODE: 744)

One semester

Grades: 9 –12

Pre-requisite: Successful completion of required computer Science I classes.

The students will learn and use HTML, Macromedia Suite 8 which includes Dreamweaver, Flash and Fireworks. PhotoStory, and Movie Maker. However they will learn advanced web design techniques as against the basic techniques introduced in CS I and CS II,

The students will also learn Cascading Style Sheets (CSS) that would help in providing uniform and consistent look to the websites. They will learn how to build websites using Hyper Text Markup Language (HTML). The emphasis will be on adding dynamic content to the websites, They will also learn Flash, Advanced Photoshop, add interactive multimedia to their website and various other Web page and image creation tools are taught in the course. This course is taught in a PC environment. Students will also develop a portfolio of sites during the training.

Course grades will be based primarily on the success in completing projects in the classroom and the development of their portfolio

Flash Disk required (2GB Minimum)

Computer Science III (CS 3): (COURSE CODE: 745)

One semester

Grades: 11-12

Pre-requisites: Successful completion of Computer Science 1 and Computer Science 2.

Co-requisite: Algebra 2.

This student-paced, project-based course is designed to provide the necessary skills and training for an entry-level position in the field of networking and multimedia. They will be introduced to the following topics: Adobe Premium suite, Computer Hardware, Computer management skills.

Flash Disk required (2GB Minimum)

Programming 1 (COURSE CODE: 746)

One semester

*Grades: 10-12**Pre-requisite: Successful completion of required computer applications classes or the equivalent computer classes with a B (80%) or better and teacher recommendation or department approval.*

This project based course is designed to provide the necessary skills and training for an entry-level position in the field of programming. Students will be introduced to:

Visual Basic:

This is an introductory course in computer programming in the language Visual Basic 2005, the latest version. The course will emphasize the analysis of problems, the careful selection of an appropriate algorithm, and the implementation of the algorithm in Visual Basic. Since it is a Rapid Application Development Environment the students would be creating working applications including games, from the very beginning. For every new concept they would be working on creating a new game. Students will learn application design choices, object-oriented design principles, event-driven programming, GUI programming using Windows Forms and user interface controls, data binding and database access using SQL and ADO.NET, exception handling, debugging and defensive programming techniques, and effective ways of working with Visual Studio .NET. Course grades will be based primarily on success in completing programming projects in the classroom.

C++ and C#

This is an introductory course in computer programming in the languages C++ and C# which are one of the dominant development languages for business and commercial software. Knowledge of these languages enables the student to handle better the challenges of future technology. The course will emphasize the analysis of problems, the careful selection of an appropriate algorithm, and the implementation of the algorithm in C++ and C#. Topics covered will include input/output commands, control statements, looping, subroutines, string processing, and arrays. Course grades will be based primarily on success in completing programming projects.

Analyzing the software:*Flash Disk required (2GB Minimum)***Programming 2 (COURSE CODE: 747)**

One semester

*Grades: 10-12**Pre-requisite: Successful completion of Programming 1 class or the equivalent computer classes with a B (80%) or better and / or teacher recommendation or department approval.*

Students will be introduced to:

Java:

Computer Science Level A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester course in computer science. It also includes the study of data structures and abstraction, but these topics are not covered to the extent that they are covered in Computer Science level AB.

C Sharp and VC++

This is an introductory course in computer programming in the language C sharp and VC++. Knowledge of these languages enables the student to handle better the challenges of future technology. The course will emphasize the analysis of problems, the careful selection of an appropriate algorithm, and the implementation of the algorithm in C sharp and VC++.

Analyzing the software:*Flash Disk required (2GB Minimum)*

Advanced Placement (AP) Computer Science A (COURSE CODE: 705)

2 consecutive semesters

*Grades: 11/12 (1/2 Credit earned each semester)**Pre-requisite: Successful completion of Algebra II with B+ (87%) or higher in addition to the successful completion of required computer applications classes or the equivalent computer classes with a B+ (87%) or better and teacher recommendation or department approval. Students must apply for this class through the AP application process*

This course introduces students to program design and development and is highly recommended for anyone considering studying engineering or computer science in college. Students will learn how to develop programs in java in order to solve problems. The course also includes design issues that involve writing programs that are well structured, easily understandable, readable and reusable. The concept of classes will be applied to make reusable objects and the same object oriented design would be applied to real life objects and classes of objects. The students also need to learn basic computer hardware and software components of computer systems.

The culmination of this course is taking the Advanced Placement Computer Science A exam in May.

“Starting with the 2007-08 academic year, a new case study based on a grid—called “GridWorld”—is a required part of the AP Computer Science A and AB curricula. GridWorld provides a graphical environment in which students can experiment with different types of objects, observing the ways in which programming changes affect the objects' behavior. Questions related to this case study will first appear on the 2008 AP Computer Science Exams. To obtain more information about the GridWorld case study and download its narrative and code, please visit the GridWorld Case Study website at: [GridWorld Case Study \(2008 AP Computer Science Exams\)](http://apcentral.collegeboard.com/apc/public/courses/teachers_corner/151315.html)

Computer Science A students are expected to be familiar with the material in chapters 1-4 of the case study narrative; Computer Science AB students are expected to be familiar with the material in all five chapters.”
(Source: http://apcentral.collegeboard.com/apc/public/courses/teachers_corner/151315.html)

Flash Disk required (2GB Minimum)

(RITC) Raytheon Information and Technology Certification: (COURSE CODE: 748)*Grades: 11-12*

One Semester

Pre-requisite: Successful completion of CS 3 class or the equivalent computer classes with a B (80%) or better and/or teacher recommendation or department approval.

This course will provide practical training for any student who wants to follow the IT field. Students will be trained at Raytheon and at school in all the skills required in the real business world. Essentially, students will be trained as if they are part of the Raytheon IT team.

Students completing this course will learn about constructing computers, Building networks, configuring servers, IT trouble shooting, installing software, interconnecting different devices and system management and protection.

Following topics will also be covered:

Network infrastructure & Network protocols: Introduction to different protocols in a network infrastructure and their functions.

Network components terminology: hardware components of a network and their functions

Hardware components/functions: Computer hardware and basic troubleshooting

Fine & Performing Arts

Studio Art I - Design: (COURSE CODE: 901)

One semester

Grades: 9-12 (1/2 Credit earned per semester)

This course is a basic introduction to the visual arts. Through hands-on projects and visual problems students will explore the vocabulary of 2-dimensional design and begin to create and recognize strong visual statements. Students in this class will explore technical, perceptual, aesthetic, and conceptual skills in a variety of media. Students will keep a sketchbook, complete in- and out-of-class assignments, begin a portfolio, and learn about art in a historical context. Students will build upon concepts, principles and skills previously learned in art classes. Elements of art and principles of design will be emphasized. Students are expected to explore art techniques and develop technical skills. ***Studio Art fee: 200 SR***

Studio Art II - Drawing: (COURSE CODE: 902)

One semester

Grades: 9-12 (1/2 Credit earned per semester)

Pre-requisite: Successful completion of Studio Art I – Design or with permission from the instructor.

This course is a continuation of the basic Studio Art I-Design class. Students will reinforce understanding of the elements of art and principles of design through classroom assignments and studio projects in a variety of media. Light and shade, line quality composition, surface manipulation, and the illusion of depth are drawing issues that will be executed through a variety of means, such as pencils, pastels, painting and mix media. Art as observation is emphasized. The body of art work will be organized in portfolio, sketch book and part of it will be exhibit. ***Studio Art fee: 200 SR***

Intermediate Studio Art I: (COURSE CODE: 1017)

One semester

Grades: 10-12 (1/2 Credit earned per semester)

Pre-requisite: Successful completion of Studio Art I & II: Design and Drawing or permission from the instructor.

This course continues an exploration of aesthetic and conceptual issues through the utilization of an extensive range of materials and techniques, and also introduces concepts in 3-dimensional Art. Students will continue an investigation of the expressive and representational potential of the elements of art and principles of design and begin the process of developing a personal vision. Students are expected to work regularly outside class on studio assignments and are encouraged to take advantage of extra open-studio sessions. Student participation in the production of a portfolio is mandatory. Art history references are utilized for work in this course. ***Studio Art fee: 200 SR***

Intermediate Studio Art II: (COURSE CODE: 1018)

One semester

Grades: 10-12 (1/2 Credit earned per semester)

Pre-requisite: Successful completion of Studio Art I & II: Design and Drawing or permission from the instructor.

Students delve with greater depth into variety of media with a greater expectation of technical excellence, expression, creative thinking and reflective problem solving. Heavy emphasis is placed on direct observation, interpretation and exploring personal insights and reflections on the human experience. Students develop better understanding of the relationship between Principles of Design and composition as they explore art style and the productivity within the context of art history, art appreciation and aesthetics. ***Studio Art fee: 200 SR***

Advanced Studio Art I: (COURSE CODE: 1019)

One semester

Grades: 11-12 (1/2 Credit earned per semester)

Pre-requisite: Successful completion of Studio Art I & II: Design and Drawing, Intermediate Studio Art I & II, and/or permission of instructor

This advanced studio course explores the expressive and narrative potentials of both 2- and 3-dimensional media. Creative thinking and problem solving that lead to the volume of portfolio quality artwork is the focal point of this course. It will emphasize art-making as an ongoing process that involves informed and critical decision-making, aid in the development of technical skills, reinforce knowledge of the elements of art and principles of design, and will encourage students to become independent, inventive and critical thinkers. Creation from observation and applied color theory are emphasized. Students will investigate a wide range of subject matter and media. A high degree of importance will be placed on student experimentation to challenge the creative and conceptual growth of the student/artist. Field trip to Gallery and meeting with famous local artist will be arranged.

Studio Art fee: 200 SR

Advanced Studio Art II: (COURSE CODE: 1020)

One semester

Grades: 11-12 (1/2 Credit earned per semester)

Pre-requisite: Successful completion of Studio Art I & II, and Advanced Studio Art I: Design and Drawing, Intermediate Studio Art I & II, and/or permission of instructor

This advanced studio course explores the expressive and narrative potentials of both 2- and 3-dimensional media. Creative thinking and problem solving that lead to the volume of portfolio quality artwork is the focal point of this course. It will emphasize art-making as an ongoing process that involves informed and critical decision-making, aid in the development of technical skills, reinforce knowledge of the elements of art and principles of design, and will encourage students to become independent, inventive and critical thinkers. Creation from observation and applied color theory are emphasized. Students will investigate a wide range of subject matter and media. A high degree of importance will be placed on student experimentation to challenge the creative and conceptual growth of the student/artist. Field trip to Gallery and meeting with famous local artist will be arranged. ***Studio Art fee: 200 SR***

Advanced Placement Studio Art - Drawing: (COURSE CODE: 1031)

2 consecutive Semesters

Grades: 11 & 12 (1/2 Credit earned per semester)

Pre-requisite: Students must apply for entrance into this class through the AP application process and receive permission from the instructor.

This is an advanced, accelerated, studio-focused, college-level art class for students who want to refine their technical skills and clarify an artistic direction with intent. The yearlong class will be a combination of prescribed and self-directed study based on the guidelines set forth by the National Advanced Placement College Board (AP). Through the utilization of an extensive range of 2- or 3-D materials and techniques, students will develop personal visual expression and will produce a body of 15-18 works that can be applied to the AP portfolios. Students are expected to work daily outside of class on studio projects and are encouraged to take advantage of open studio sessions. Student production of a slide portfolio is mandatory. Submission of the AP portfolio constitutes this course's final exam. There will be a studio art fee for this course.

The culmination of this course is submitting the Advanced Placement Studio Art-AP Portfolio in May.

Studio Art fee: 200 SR

Advanced Placement Studio Art – 2-D Design: (COURSE CODE: 1031) 2 consecutive Semesters

Grades: 11 & 12 (1/2 Credit earned per semester)

Pre-requisite: Students must apply for entrance into this class through the AP application process and receive permission from the instructor.

This is an advanced, accelerated, studio-focused, college-level art class for students who want to refine their technical skills and clarify an artistic direction with intent. The yearlong class will be a combination of prescribed and self-directed study based on the guidelines set forth by the National Advanced Placement College Board (AP). Through the utilization of an extensive range of 2- or 3-D materials and techniques, students will develop personal visual expression and will produce a body of 15-18 works that can be applied to the AP portfolios. Students are expected to work daily outside of class on studio projects and are encouraged to take advantage of open studio sessions. Student production of a slide portfolio is mandatory. Submission of the AP portfolio constitutes this course's final exam. There will be a studio art fee for this course.

The culmination of this course is submitting the Advanced Placement Studio Art-AP Portfolio in May.

Studio Art fee: 200 SR

Speech and Drama : (COURSE CODE: 911) 1 semester

Grades: 9-12 (1/2 Credit earned per semester)

This class can be repeated for credit.

This course is an overview of the development of speech, drama, exploring theatre history, concepts, and techniques. Students will take on the roles of playwright, critic, director, set designer, actor, and more. Participation in a number of sensory activities as well as completing a daily observation log are crucial to success. Improvisational skills are a focus, and shall be applied to stage, radio, and film acting.

Students will explore the influence of drama on the world. From music and dance to the political arena, glitzy commercials to film study, students will act, direct, design, critique, and reflect upon the ideas and value of presentation. Through practice and refinement of observation skills, body language, and the art of international gestures, students will become more active and aware of global issues. The use and possible abuse of media will be addressed through a study of literary archetypes. The Mind's Eye Theatre probes deeper into character motivation and resolution, challenging students to role-play in a developing storyline.

High School Concert Choir: (COURSE CODE: 618) 2consecutive semesters

Grades: 9-12 (1/2 Credit earned per semester)

Students will study and sing a variety of styles of music. Musicianship skills will develop through daily singing, vocal blending, reading and listening. Choir is a performance-based class, and active participation in concerts is required. Rehearsals may include Thursdays.

High School Symphonic Band: (COURSE CODE: 634) 2consecutive semesters

Grades: 9-12 (1/2 Credit earned each semester)

Joining this class is a yearlong commitment. This band is designed for the student who has had experience for 2 or more years with instrumental music. This class will provide opportunities for students to develop a more mature tone quality using advance techniques. Students should be able to read music in order to perform. A variety of music will be performed throughout the year and students. Band is a performance-based class, and active participation in scheduled concerts is required.

General Electives

Life and Career Skills:

One semester

Grades: 11-12: (1/2 Credit earned each semester)

This course helps students develop adequate life skills such as flexibility, self-direction, productivity, and organization. Students will implement these skills through hands-on activities that assess their creativity, critical thinking, problem solving, communication, and collaboration skills. The purpose of this course is to increase student knowledge and ability in skills necessary for everyday living. Topics included will be self-assessment, relating to others, time-management, healthy lifestyle, and food choices.

Office Assistant: (COURSE CODE: 1015)

One semester

Grades: 11-12 (1/2 Credit earned each semester)

Pre-requisite: Only open to juniors and seniors who have a minimum grade point average of 3.0. Student must be responsible, reliable and trustworthy. Confidentiality is a must. Counselor and Principal's approval is needed for placement.

This class is a pass/fail opportunity for students to assist in various school offices instead of taking a standard class. Some of the offices students will be assigned to help in are: the high school office, middle school office, elementary office, library, and the nurse's office. Students will be asked to help with a variety of tasks and skills from creating bulletin boards, research, to delivering messages and retrieving students, to organizational task. Students are asked to come each day ready to help and on the rare occasion when there is nothing assigned, students can do their own class assignments.

School Service: (COURSE CODE: 929)

One semester

Grades: 11-12 (1/2 Credit earned each semester)

Pre-requisite: Only open to juniors and seniors who have a minimum grade point average of 3.0. Student must be responsible, reliable and trustworthy. Confidentiality is a must. Counselor and Principal's approval is needed for placement.

Some of duties students will be responsible for are working in elementary rooms with younger students, and/or helping with the Administrative Assistants in the main Elementary Building when needed.