

In the name of Allah, Most Merciful and Compassionate

**Islamic Foundation School
Course Offerings for 2011-12**

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Outline of Course Offerings for 6-8 Grades 2011-2012

Required*	6 th	7 th	8 th
Arabic	Arabic (Level I,II, III) Arabic Literature	Arabic (Level I,II, III) Arabic Literature	Arabic (Level I,II, III) Arabic Literature
English	Emerging Reader 6 Emerging Writer 6	Emerging Reader 7 Emerging Writer 7 Pre-AP English Humanities	Emerging Reader 8 Emerging Writer 8 Pre-AP English Humanities
Social Studies	Ancient Civilizations	American History	Civics
Islamic Studies	Islamic Studies (Fiqh, 'Aqidah, Akhlaq, Sirah)	Islamic Studies (Fiqh, 'Aqidah, Akhlaq, Sirah)	Islamic Studies (Fiqh, 'Aqidah, Akhlaq, Sirah)
Science	Earth Science	Life Science	Physical Science
Math	Pre-Algebra	Algebra I	Integrated Algebra
Physical Education	Physical Education	Physical Education	Physical Education
Electives			

*(at least one course in a content area)

Outline of Course Offerings for 9-12 Grades 2011-12

Required*	9 th	10 th	11 th	12 th
Arabic	Arabic (Level I,II, III) Arabic Literature	Arabic (Level I,II, III) Arabic Literature	Arabic (Level I,II, III) Arabic Literature	Arabic (Level I,II, III) Arabic Literature
English	Survey of Genres	World Literature	American Literature AP Language AP Literature	British Literature AP Literature AP Language
Social Studies	Geography	World History AP World History	US History AP World History AP US History	AP Psychology AP Economics
Islamic Studies	Islamic Studies (Fiqh, 'Aqidah, Akhlaq, Sirah)	Islamic Studies (Fiqh, 'Aqidah, Akhlaq, Sirah)	Islamic Studies (Fiqh, 'Aqidah, Akhlaq, Sirah)	Islamic Studies (Fiqh, 'Aqidah, Akhlaq, Sirah)
Science	Foundations of Science	Chemistry Biology AP Biology	Physics Environmental Science AP Chemistry AP Biology	Environmental Science Honors Physics AP Chemistry AP Biology AP Physics
Math	Algebra I Geometry	Geometry Algebra II	Algebra II Statistics Pre-Calculus AP Statistics	Pre-Calculus Statistics AP Statistics AP Calculus
Physical Education	Health Physical Education	Physical Education		
Electives				
		AP Biology Sociology (1 semester) Psychology (1 semester) Current Events (1 semester)	Etymology (1 semester) Sociology (1 semester) Psychology (1 semester) Current Events (1 semester)	Etymology (1 semester) Statistics Sociology (1 semester) Psychology (1 semester) Current Events (1 semester)

*(at least one course in a content area)

Honors and AP Placement Criteria

The following criteria will be used for placement in Honors and AP classes:

Honors Placement

An A (90%) or higher for BOTH semesters of the course in the previous year

OR

87% or higher on a grade-level placement test

AND

A teacher recommendation

A student may request an Honors placement with an B+ (87%) in BOTH semesters of the course in the previous year. The student will also be required to provide a teacher recommendation, take a placement test and receive a score of an 87% or higher, and submit a writing sample to be reviewed by the Honors level teacher, Dean of Academics. Submission of these materials DOES NOT guarantee an Honors placement, but will be reviewed to ensure appropriate level placement for the student.

AP Placement

A B (85%) average or higher for BOTH semesters of HONORS course in the previous year

AND

A teacher recommendation

OR

An A (93%) average or higher for BOTH semesters of REGULAR course in the previous year and a teacher recommendation.

A 80% or higher on an AP-style multiple choice practice test (if applicable)

An AP-style writing sample to be reviewed by the course instructor (if applicable)

AP Contract 2011-2012

Dear Parents and Aspiring AP Students,

The Advanced Placement (AP) Program is a collaborative effort between motivated students, dedicated teachers and committed high schools, colleges and universities.

Since its inception in 1955, the AP Program has enabled millions of students to take college-level courses and exams, and to earn college credit, while still in high school.

Most colleges and universities have an AP policy granting incoming students credit, placement or both on the basis of their AP exam scores. Many of these institutions may grant up to a full year of college credit (sophomore standing) to students who earn a sufficient number of qualifying AP Exams.

Your son/daughter has chosen to enroll in _____ class with the aim to reap the benefits of both, working at a college level and aiming at earning credits that would save time and money in college.

This is an agreement that _____ (student name) and his/her parents understands that the AP course is a college level course and that:

- the quantity and quality of coursework is college level work. Independent reading is one of the main expectation of successful AP students.
- the teacher’s role is mainly to guide the students and help them pace themselves.
- **students enrolled in an AP course must take the AP exam.**
- **students enrolled in an AP course may not drop out of the AP course after the first week of the school year.**
- students’ punctual and consistent attendance is critical. Students missing more than **five (5) days** in a semester may be reviewed for possibly being removed from the class.
- students must complete the required summer work to be appropriately prepared for the course (not completing the summer assignment may be reason to be removed from the course)

Student’s Signature _____ Date: _____

Parent’s Signature _____ Date: _____

Counselor’s Signature _____ Date: _____

****Signed contracts must be submitted by June 10, 2011.**

ISLAMIC STUDIES DEPARTMENT OVERVIEW

The Islamic Studies department at IFS is committed to enrich the lives of students by fostering an environment of proactive learning and spiritual growth. We strive to raise God-centered individuals who are driven to please the Divine and serve humanity. The curriculum focuses on the moral teachings, beliefs and practices of Islam and on developing each student's understanding and commitment to their Faith. We aim at developing each student's ability to navigate being Muslim in the social, moral and intellectual milieu of contemporary society.

Islamic Devotional Law: Fiqh Al-'Ibadat - Level 1

No prerequisite

Every individual Muslim is obligated to learn that which pertains to their daily practices and rituals. This is the meaning of the Prophet's statement (upon him blessings and peace), "Seeking knowledge is an obligation upon every Muslim man and woman." It is imperative for every Muslim to learn the essentials of worship and ibadah in order to ensure that we fulfill the commands of Allah in the manner in which we are expected. The first obligation is to know devotional law, or *fiqh al-'ibadat*, in this course, students will learn the legal rulings and performance of Purity (*tabarah*) and Prayer (*salah*) in their correct etiquette. The course also aims to clarify the wisdom behind the legislation of acts of worship. The course will culminate in a written and physical performance of purification and prayer in its most correct form.

Islamic Creed: Aqidah Level 1

No Prerequisite

Creed, or *aqidah*, is, for the believer, the foundation of faith upon which all deed is erected. The sturdiness of this foundation will determine the quality of what's above. Strong creed will guide one's actions toward the service of the Creator, while avoiding the evils of deviation and sectarian division. A strong grasp of creed will give the believer the conviction to stand his or her ground in the face of strong challenges from opposing ideologies.

Prophetic Qualities and Biography: Shama'il and Sirah - Level 1

No prerequisite

You cannot love someone whom you do not know. Study of the Shama'il - physical and moral qualities of Prophet Muhammad (Peace Be Upon Him) aids students in experiencing the character of the noblest human to walk on earth, the model for all humanity, and the one who will intercede for us on the Last Day. The Shama'il (study of the sublime morals and exalted attributes) include the physical appearance, eloquence, wisdom, exalted status, sublime character, and mercy of Prophet Muhammad (Peace Be Upon Him).

The first half of the course will cover the Sham'il of our beloved and the second half of the course will acquaint the students with the life of Prophet Muhammad (Peace Be Upon Him) until the Prophecy. This content includes reasons we study the Seerah, methods of historical collection, pre-Islamic Arabia, and the biography of Prophet Muhammad (Peace be Upon Him) from Birth until Prophecy. One of the main focuses of this course is to bring the Sirah to life, reflect on the universal occurrences and struggles of the Prophet Muhammad (Peace Be Upon Him), and draw comparisons between our reality and the prophetic life. This will be done through highlighting major concepts and themes for deeper understanding, awe, and appreciation. The ultimate goal of this course is for the student to embark on the path to perfection.

Prophetic Biography: Sirah - Level 2

Prerequisite: Prophetic Qualities and Biography Level 1

This course will focus on the Makki period of Prophecy until the Hijrah (migration). This content includes the Prophecy, the secret and public call to Islam, religious persecution, migration to Abyssinia, the boycott, ascension to the heavens, and ends with the emigration of Prophet Muhammad (Peace Be Upon Him) to Al-Madinah Al-Munawarra. One of the main focuses of this course is to bring the Sirah to life, reflect on the universal occurrences and struggles of the Prophet Muhammad (Peace Be Upon Him), and draw comparisons between our reality and the prophetic life. This will be done through highlighting major concepts and themes for deeper understanding, awe, and appreciation. Following and understanding the Sunnah – the Prophetic tradition – will also be emphasized. The ultimate goal of this course is for the student to embark on the path to perfection.

Akhlaq: Ethics and Proper Conduct Level 1

This course will focus on the acquiring and development of good character traits and the divesting of bad character traits. To this end, the virtues and vices as defined by and embodied in the Prophet (Allah bless him and grant him peace) will be examined. Additionally, the proper conduct (*adab*) relating to various facets of the daily life of a Muslim, such as eating, drinking, friendship, giving and receiving advice, entering and exiting the mosque and others areas, will be studied.

SCIENCE DEPARTMENT OVERVIEW

The Science program of studies inspires students to gain an appreciation for and knowledge of Allah's the Exalted creation. By thoroughly familiarizing students with the process and body of scientific knowledge, the program will help students become problem solvers, collaborative workers, and lifelong learners. Due to the investigative nature of science, all courses are laboratory based and emphasis is placed on development of higher order/complex skills like application, critical thinking etc. with guidance of the Islamic principles of knowledge and ethics.

Course Descriptions Middle School

Earth Science Grade 6

This class involves a survey of the four disciplines of Earth Science: astronomy, geology, meteorology and oceanography. The processes and features related to the earth's surface, interior, atmosphere, oceans and astronomical surroundings are actively investigated. Discussions of the interrelationships among the four categories and how they relate directly to scientific observations based on the Qur'an and Islamic evidence.

Life Science Grade 7

This course is designed to engage students with the living world around them with laboratory experience. The course begins with an in-depth study of cells which leads into DNA and modern genetics. Emphasis will be drawn on patterns of heredity which will also include genetic disorders. The course will then shift from the smallest unit of life, and focus on a larger scale-population dynamics. There will be a brief overview of each kingdom with emphasis on plant and animal kingdoms. Particular attention will be placed on the anatomy and physiology of the human body. Students will learn the scientific method by conducting experiments, making observations and/or gathering numerical data, and analyzing the results to formulate a conclusion.

Physical Science Grade 8

This course is a combination of physics and chemistry at an introductory level. This course includes laboratory experience which includes experimentation and investigation. Students will demonstrate the scientific method through conducting the experiment, making observations and/or gathering numerical data, and analyzing the results to formulate a conclusion. The course begins with an in-depth study of matter and energy which leads into chemistry component of this course. Emphasis will be placed on atomic structure, chemical bonds, chemical reactions and solutions. The course is then shifted to the physics component with topics of gravity, friction, pressure, work and energy. The next part of the course will focus on waves, sound and light. The last part of the course will focus on electricity and magnetism with importance given to circuits and electronics.

Course Descriptions High School

Foundations of Science Grade 9

This course is intended to provide the student with the foundations concepts in chemistry and physics. One semester will be dedicated to the following topics in chemistry: energy, matter, electron configurations, periodic table trends, mole conversion, chemical reactions and formulas, stoichiometry, gas laws, and organ chemistry. The following semester will be dedicated to the following topics in physics: optics, kinematics, work, energy, forces, heat and phase changes, electricity and electric circuits.

S101 Biology

Prerequisite: n/a

Placement: n/a

This course challenges students to life processes on from a molecular level to the interactions of populations and their environment. Discussion on health and disease will also be explored. Lab experiences are designed to develop skills in making observations, gathering data, and being able to critically assess the results. An emphasis will be placed on applying an Islamic perspective to studying the miracles of life in juxtaposition to secular scientific thought, so that students can apply their scientific knowledge to real world problems.

S151 Honors Biology

Prerequisite: A-, B+ (teacher's recommendation) in 8th grade Science

This is a comprehensive theory and laboratory course that emphasizes topics such as cellular activities, biological evolution, living organisms, ecology, and genetics. Particular attention is paid to molecular biology and recombinant DNA technology. Lab experiences, including two inquiry-based labs, are designed to develop skills in making observations, gathering data, and being able to critically assess the results.

S201 Chemistry

Prerequisite: Algebra

Placement: departmental recommendation; Mathematics level placement

This course in chemistry engages the student in a study of the atom and the nature of the mole. Students will master these basic concepts with application toward specific areas such as gas laws, chemical reactions, behavior of solutions, and radioactivity. Modeling and experimentation are an integral part of this course. Problem solving involving the major principals will be required. Laboratory safety is strongly emphasized.

S251 Honors Chemistry

Prerequisite: Honors Algebra

Placement: departmental recommendation; Mathematics level placement

Honors Chemistry is taught concurrently with regular Chemistry. The chemistry course motivates students to continue their investigation of the structure of matter along with chemical reactions and the conservation of energy in these reactions. The course focuses on basic chemical concepts and incorporates activities that promote investigations to reinforce the concepts. Students are expected to analyze scientific data via calculations and inferences as well as recognize the importance of explaining data with precision and accuracy. Assignments will be challenging, especially in the realm of problem solving.

S301 Physics

Prerequisite: n/a

Placement: departmental recommendation; Mathematics level placement

This course teaches physics to students as the science of matter, its motion, and associated energy of various forms. Students seek to understand very basic concepts such as force, energy, mass, and charge. The course discusses scientific analysis of nature to enable students to understand how the world and the universe (the entirety of space and time, all forms of matter, energy and momentum, and the physical laws and constants that govern them) behave. Basic mathematical techniques, such as algebra, geometry and trigonometry, are used.

S351 Honors Physics

Prerequisite: n/a

Placement: departmental recommendation; English level placement

Students seek to have more in depth understanding of physics concepts such as force, energy, mass, and charge. Basic mathematical techniques, such as algebra, geometry and trigonometry, are used with more application in more extensive problems solving. The course covers standard topics in physics and modern physics with more details than expected of regular students.

S401, S451 Anatomy & Physiology

Prerequisite: Biology

Placement: departmental recommendation

The human anatomy and physiology curriculum is designed to allow students to continue with investigations and concepts introduced biology class and take it to a higher level. This curriculum is extensively performance and laboratory based. It integrates the study of the structures and functions of the human body, and also focuses on the essential requirements of life. Areas of study include organization of the body; protection, support and movement; providing internal coordination and regulation; processing and transporting; and reproduction, growth and development. Chemistry is integrated throughout anatomy and physiology. Every attempt is made to link careers related to medicine, research, health-care and modern medical technology within the scope of this course.

S302 Environmental Science

Prerequisite: Biology, Statistics

Environmental Science is a regular level project/ problem based course. The goal of the Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or them (College Board).

S551 AP Biology

Prerequisite: Honors Biology

Placement: departmental recommendation; English level placement

This course is designed for students who intend to pursue a science-related field in college. This class meets the objectives of a college general biology course. It covers in depth the foundations of biology, including cell biology, genetics, anatomy and physiology, botany, immunology, ecology, zoology, etc. Students will prepare for and take the advanced placement exam in order to attain college credit (depending upon their score). Students must have self-disciplined study habits in order to succeed in this course.

S555 AP Environmental Science

Prerequisite: Honors Chemistry; Honors Physics

Placement: departmental recommendation; English level placement

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study. Yet there are several major unifying constructs, or them (College Board).

AP Physics B

Prerequisite: Honors Physics, Algebra II

Placement: departmental recommendation; Math level placement

This is a college level physics course for college bound students who plan to major in a science or engineering field. The course provides an introduction to the main principles of physics emphasizing the development of problem solving ability. It follows the College Board's syllabus for AP Physics B and will cover Newtonian and fluid mechanics, electricity and magnetism, waves and optics, thermal, atomic and nuclear physics. Students will be prepared by May to take the AP Physics B exam. Algebra and Trigonometry are required. Calculus will be helpful but not required. Laboratory practices are a vital part of the course.

S552 AP Chemistry

Prerequisite: Honors Chemistry

Placement: departmental recommendation; Math level placement

The Advanced Placement Chemistry course is designed to meet the objectives of a first year college general chemistry course. It is recommended for students who intend to pursue a science related field in college. Topics include an in depth study of atomic theory, chemical bonding, states of matter, reactions, acid-base chemistry, stoichiometry, electrochemistry, equilibrium, kinetics, and thermodynamics. There is an emphasis on the quantitative aspects of chemical concepts and the formulation of principles. Laboratory work is an integral part of the course. Students will prepare for and take the advanced placement exam in order to receive college credit (depending upon their score). Students must have self-disciplined study habits in order to succeed in this course.

MATH DEPARTMENT OVERVIEW

At Islamic Foundation School, mathematics instruction at the middle/high school level is taught to prepare the student for real world applications and a technologically progressive society. Mathematic concepts and facts are explained in terms of simpler ones rather than a cluster of arbitrarily conceived rules. The NCTM (National Council of Teachers of Mathematics) standards and the NETS (National Education Technology Standards), as well as the Illinois State Standards take precedence and are clearly applied to each lesson. Teachers are constantly aware of the latest technology and apply a variety of teaching methodologies to their daily teaching, so that students succeed at any given task that requires mathematical reasoning. Through the integration of Islamic principles, teachers' instruction fosters an understanding as to why learning mathematics is critical to every Muslim. Real world topics are consistently introduced at each level with the belief that Islamic principles and values are of utmost priority when learning any mathematical topic, such as interest and banking. Once leaving IFS, students will be well prepared to contribute to society by applying the mathematical concepts they have acquired.

MIDDLE SCHOOL COURSE OFFERINGS

Pre-Algebra Grade 6

Prerequisite: 5th Grade Mathematics

Course Description: In 6th grade, students are exposed to the pre-algebra and pre-geometry concepts that will prepare them for high school mathematics. According to the Illinois Performance Descriptors; *“students in middle school need to see mathematics as a language, a tool, and an art form with which they can communicate ideas, solve problems, and explore the world around them.”* Throughout 7th grade, math is made relevant to their everyday lives and consistently emphasizes the utilization of real data and real-life applications. Students learn to use modeling to understand concepts and solve problems. Many concepts are taught through labs and hands-on-activities. Skills that are included in the 7th grade math curriculum are; the exploration of patterns, investigations in algebra, the modeling of integers, the language of algebra, exploring data and graphs, the number theory, rational numbers and percents, proportion, percent, probability, the real number system, inequalities, spatial thinking, congruence, similarity, transformations, and measurements in geometry. Standardized test practice is taught periodically through many forms of assessment tools such as objective testing. Each skill that is taught during 7th grade is aligned with the Illinois State Standards.

Algebra I Grade 7

Prerequisite: Pre-Algebra

Course Description: Algebra I focuses on the structure of the real number system. The solution of equations, inequalities, and systems of equations and inequalities is presented. Graphing, both as a means of displaying data and analyzing data in one and two dimensions, is an integral part of these courses. A sound foundation in arithmetic and pre-algebra skills is essential for success in these courses.

Integrated Algebra Grade 8

The focal point of Integrated Algebra is the content strand. Algebra provides tools and ways of thinking that are necessary for solving problems in a wide variety of disciplines, such as science, business, social sciences, fine arts, and technology. This course will assist students in developing skills and processes to be applied using a variety of techniques to successfully solve problems in a variety of settings. Problem situations may result in all types of linear equations in one variable, quadratic functions with integral coefficients and roots as well as absolute value and exponential functions. Coordinate geometry will be integrated into the investigation of these functions allowing students to make connections between their analytical and geometrical representations. Problem situations resulting

in systems of equations will also be presented. Alternative solution methods should be given equal value within the strategies used for problem solving.

High School Course Offerings

M101 Algebra I

Prerequisite: 8th Grade Algebra

Placement: teacher recommendation; placement test for incoming students

Elementary algebra focuses on the structure of the real number system. The solution of equations, inequalities, and systems of equations and inequalities is reviewed. The second half of the course focuses entirely on second degree polynomials, specifically solving and graphing quadratic equations. The course ends with a review of radical and rational equations which leads into an introduction to Geometry, unit circle, and trigonometry functions. Graphing, both as a means of displaying data and analyzing data in one and two dimensions, is an integral part of these courses. A sound foundation in arithmetic and pre-algebra skills is essential for success in these courses.

M251 Accelerated Geometry

Prerequisite: overall A average in 8th Grade Algebra

This course begins with an introduction to definitions, theorems, postulates and writing proofs to argue a logical statement. These skills are applied towards the rest of the course work— students will extensively cover the idea of congruency and similarity between figures, lines, angles, polygons, in particular triangles. Next the course takes an algebraic approach to Geometry, focusing on the Pythagorean Theorem, surface area and volume. Lastly, students will be prepared for Algebra 2 and pre-Calculus with an introduction to trigonometry functions and the unit circle.

M201 Geometry

Prerequisite: Completion of Algebra I (Passing Grade)

The basic content of this course is plane geometry with integration of some space and coordinate geometry. This course develops geometric concepts, including the study of formal proofs (including coordinate and indirect methods) and algebraic applications. Algebra is used extensively for areas, volumes, lengths, angle measures, and graphing.

M301 Algebra II

Prerequisite: Completion of Geometry (Passing Grade)

This intermediate algebra course is a continuation of Algebra 1, including the solutions of equations, inequalities, systems and an introduction to matrix theory. An emphasis is placed upon understanding relations and quadratic functions, including exponential functions, logarithmic functions, rational functions, and conic sections. The unit circle, probability and statistics, series and sequences, and the complex number system are introduced.

M351 Honors Algebra II

Prerequisite: Completion of Geometry with A average or Accelerated Geometry with B average or higher

This course includes topics from intermediate algebra, college algebra, and analytic geometry, including the study of functions, transformations, matrix theory, theory of equations, and an introduction to probability. This course includes the equivalent of a semester study of trigonometry.

M301 Algebra II

Prerequisite: Completion of Geometry (Passing Grade)

Intermediate algebra course is a continuation of Algebra 1, including the solutions of equations, inequalities, systems and an introduction to matrix theory. An emphasis is placed upon understanding relations and quadratic functions, including exponential functions, logarithmic functions, rational functions, and conic sections. The unit circle, probability and statistics, series and sequences, and the complex number system are introduced.

Integrated Mathematics/Consumer Math

Prerequisite: Completion of 2 years of mathematics

Integrated Math 1 will emphasize skills necessary for problem-solving and continued growth in mathematics. Students will apply concepts of number and operations, algebraic relationships, geometric and spatial relationships, measurement, and data analysis and probability.

M402 Statistics

Prerequisite: Completion of Algebra II with C or Above average grade

Statistics covers the exploratory analysis of data, including methods of data collection (sampling) and interpretation of those data using graphical and numerical techniques. The course includes probability and simulation as tools for producing or analyzing models, various probability distributions (binomial, geometric, random, and normal) and their importance and use, and finally, statistical inference, confidence intervals, and tests of significance.

M401 Accelerated Pre-Calculus

Prerequisite: Algebra II (h), Geometry (h). Completion of Algebra II with A average or Accelerated Algebra II with B average or higher

This course is designed to prepare students, who have shown proficiency in two years of algebra and one year in geometry, for calculus. Functions and graphing will be the underlying themes. Topics include: functions, techniques of graphing, trigonometry, conic sections, polar coordinates, sequences and series, vectors, and introduction to limits.

M551 AP Calculus BC

Prerequisite: Pre-Calculus with grade of B or above

This is an intensive full year course in the differential and integral calculus of functions of a single variable. The course includes topics in infinite series and differential equations. A well-prepared student may receive credit for 2 semesters of college calculus depending upon the institution and the score received on the Advanced Placement Exam.

AP Statistics

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes; exploring data, which includes describing patterns and departures from patterns, sampling and experimentation, which includes planning and conducting a study, anticipating patterns, which includes exploring random phenomena using probability and simulation and statistical inference, which includes estimating population parameters and testing hypotheses. Students who successfully complete this course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course.

SOCIAL STUDIES DEPARTMENT OVERVIEW

Students in the social studies program will develop an understanding and appreciation of the contributions that diverse civilizations and cultures have made throughout history and the impact that they have had on the development of democratic ideals. Within the social studies program students will study contemporary social, political, historical, geographical and economic issues that shape the world today. The Social Studies Department will promote opportunities for students to make informed decisions in a culturally diverse world and prepare students to use critical thinking skills. It is our aim to help our students to become capable and engaged citizens by underscoring core Islamic values such as knowledge, action, and character.

Course Descriptions Middle School

Grade 6 - Ancient Civilizations

This course begins with an introduction to geography, which is followed by a comprehensive overview of various ancient civilizations including Egypt, China, Greece, and Rome, Africa, Americas, and the Byzantine and Muslim empires. Students will learn skills related to map/graphic literacy, studying, critical thinking, vocabulary, communication, and investigating, interpreting, and inferring.

Grade 7 - US History

7th grade American History covers the periods of Native American Civilizations to World War I. Students will learn how history and geography are linked. American history consists of English colonies, American independence, westward expansion, industrialization, the Civil War, immigration, and the United States becoming a world power. Academic progress will focus and not be limited to cooperative learning activities, class discussions, projects, and organization skills with the constructions of maps, graphs, and charts. Curriculum is aligned with the Illinois state standards.

Grade 8 - Civics

8th grade Civics is a foundation to prepare students to use critical thinking skills. The class covers the political systems of the Federal, State, and Local governments. Civics will cover duties and responsibilities of citizens, the branches of government, along with the election process. In order to complete 8th grade students are required to pass both the Federal and Illinois State Constitution tests as a prerequisite to enter high school. Economics is the last unit students will focus on which consists of: the American economy, supply, demand, business, and labor. Curriculum is aligned with the Illinois state standards.

Course Descriptions High School

H101, H151 Geography

Prerequisite: *successful completion of Constitution test*

Honors Placement: *teacher recommendation*

This course covers physical and human geography of the world. Students interact with the different regions of the world (Americas, Europe, Africa, Asia, and Oceania) by utilizing the five themes of geography (movement, region, human environment interaction, location, and place). Students gain an introduction to the social sciences by analyzing the connections between the physical and human characteristics of the region and in effect, the world. "Travel logs" that entail multiple media analysis and current events as well as other individual and group research projects underscore the objectives of the course throughout the year.

**textbook under review for newer editions*

H201, H251 World History

Prerequisite: *n/a*

Honors Placement: *teacher recommendation*

This course will cover a wide area of history spanning from ancient times to modern world history. Students will begin with the study of advanced early civilizations and empires and then move to a historical study of the world outside of the United States. A survey of political and social history will be covered as well as religion and its role throughout history from ancient to contemporary times. A thorough review of the social sciences through comparative analytical papers will assist students in examining on a more personalized and individual level of interest.

H301, H351 US History

Prerequisite: *n/a*

Honors Placement: *teacher recommendation*

This course will cover the historical experience in the United States from Native Americans to present day America. This course will be organized thematically as well as chronologically, in order for students to comprehend the present status of America politically, culturally, socially as well as economically. Students will be required to analyze and challenge social, cultural, economic, and political issues regarding United States history through various surveys of texts and historical sources. Required reading during second semester is the novel Hiroshima, by John Hersey. Through various sources, a revisionist historical perspective will also be studied in order to appreciate the ever-changing face of exploring history. The student must also successfully pass the U.S. and Illinois Constitution test as part of a requirement in the course.

H551 AP US History

Prerequisite: *n/a*

Placement: *teacher recommendation; English level placement*

This course will cover the historical experience in the United States at an accelerated college level. Students will take a standardized AP exam giving them potential to receive college credit based solely on high performance on this exam. College level material will be used throughout the course covering the basic themes required in order to successfully have the chance to receive college credit on the AP exam. Through various sources, a revisionist perspective will also be studied in order to appreciate the ever-changing face of exploring history. Supplemental required readings are *The Jungle*, by Upton Sinclair, and *The People's History of the United States*, by Howard Zinn. A list of suggested movies and other readings are available prior to the start of the course for summer work. The student must also successfully pass the U.S. and Illinois Constitution test as part of a requirement in the course.

H401, H451 Economics

Prerequisite: *n/a*

Honors Placement: *teacher recommendation*

An overview of the modern market economy as a system for dealing with the problem of scarcity. The analysis of relationships among such variables as national income, employment, inflation and the quantity of money. The roles of government expenditure, taxation and monetary policy; international finance; economic development.

H551 AP Psychology

Prerequisite: *n/a*

Honors Placement: *teacher recommendation*

Students are introduced to the psychological facts, principles and phenomena associated with each of the major subfields within psychology. Students will develop their analytical skills through use of readings, writing of essays, and independent research. Topics covered will include biological bases of behavior, motivation and emotion,

developmental psychology, personality and abnormal psychology. This course will prepare students for the Advanced Placement Examination of the College Board.

H403 Islamic History

Prerequisite: *n/a*

This course will explore the history of Islamic civilization from its beginnings in seventh century Arabia until the establishment of the Ottoman Empire in the fifteenth century. Attention will be given to the structure of political institutions, the changing nature of the caliphate, as well as social trends and important cultural developments. Students will read selections of important primary sources in translation, such as Arabic and Persian poetry, Mawardi's *Ordinances of Government*, Ibn Battuta's *Travels*, and Ibn Khaldun's *Muqaddima*.

H404 Current Events

Prerequisite: *n/a*

In this course students will use news media as a primary resource for discussions, assignments, and projects. International, national, state, and local items will be examined with the intent of interpreting the significance of these events. This course attempts to place current events within a historical perspective and suggests future implications of these events.

**textbook under review for newer editions*

Sociology

Students explore the concepts and theories necessary to the systematic understanding of our social world. Topics may include the study of sociology as a science, the nature of large and small scale groups, social stratification, historical eras and social change, and race, ethnic, and gender relations.

Psychology

This course is a survey of introductory facts, principles, and phenomena associated with each of the major subfields within psychology. Students will develop critical thinking skills and research skills necessary in the social sciences. Topics include biological bases of behavior, motivation and emotion, developmental psychology, personality and abnormal psychology.

ARABIC DEPARTMENT OVERVIEW

Help students acquire the Arabic language skills in a way that they can use it easily in communications and also reciting the holy Quran. Perform effective teaching programs that lead the students to acquire the Arabic language skills of listening, speaking, reading and writing. Excellency in understanding, Writing, Speaking the Arabic language. The study of Arabic language includes vocabulary, reading, grammar, comprehension, and composition.

Course Descriptions Middle School

Arabic Level I

This course is a beginning language course designed for students with no previous experience in Arabic, or whose experience does not make placement in a higher level Arabic course advisable. The course focuses on pronunciation, vocabulary, and basic language skills of speaking, listening, reading, and writing. Texts include short readings to improve students' comprehension and increase their vocabulary. Class activities incorporate simple dialogues; synonym, antonym matching and Basic grammar rules.

Arabic Level II

This course is a continuation of Arabic Level I and takes students to a mid-intermediate level of proficiency in Standard Arabic. It develops students' existing basic reading, speech, and language arts skills. Texts include short readings to improve students' comprehension and increase their vocabulary. Class activities incorporate theme-centered dialogues; word and sentence composition and decomposition; and synonym and opposite matching. Grammar rules are geared into instruction to facilitate written and verbal communication.

Arabic Level III

This course is a continuation of Arabic Level II and takes students to a high-intermediate level of proficiency in Standard Arabic. It builds on students' developing reading, speech, and writing skills. Texts include authentic readings to improve students' comprehension and enlarge their vocabulary repertoire. Class activities incorporate theme-centered conversations; sentence composition, decomposition, writing short paragraphs, and Advanced grammar rules.

Course Descriptions High School

Arabic Level I

Arabic Level I is a beginning language course designed the students who come from public schools with no previous knowledge of Arabic language, or whose experience does not make placement in a higher level Arabic course advisable. The course focuses on communicative skills of listening comprehension, speaking, reading, and writing. The Texts include the writing and sound systems and systematic presentation of basic grammatical structures. Reading, writing, and vocabulary building are emphasized throughout. Class activities incorporate simple dialogues; synonym, antonym matching.

Arabic Level II

This course is a continuation of level I with emphasis on basic language skills for communication. The content of the course will include vocabulary building, more complex sentences and basic grammar. Class activities incorporate long theme-centered conversations and essay writing using different styles.

Arabic Level III

This course is a continuation of Intermediate Arabic and takes students to an advanced level of proficiency in Standard Arabic. It sharpens students' inferential comprehension, communication, composition, and critical thinking skills. Texts include long authentic readings (e.g. short stories, poems, articles, etc.) to foster students' comprehension, enlarge their vocabulary repertoire, and increase their integration in the target culture. Class activities incorporate long theme-centered conversations; essay composition using different styles; analytical and/or critical writing; and a continuation of poetry analysis. Advanced grammar concepts are geared into instruction to enhance the efficiency of written and verbal communication.

Arabic Literature

This course is the will apply and build on the complete set of skills a student has acquired in their previous course work. It will focus on reading various selections of Arabic from various parts of Arabic history. Students will explore various pieces of Arabic poetry, short stories, novels, and drama. Students will develop the ability to read classical Arabic literature in the original language. Students will acquire competence in the reading and interpretation of Arabic primary sources in the study of Arabic literature. Students shall develop their ability to describe, analyze and summarize various source materials. Students will develop the ability to read classical Arabic literature in the original language.

ENGLISH DEPARTMENT OVERVIEW

The mission of the Islamic Foundation School English Department is to guide students to understand their world, their faith and themselves, and to help them to articulate their thoughts clearly, both orally and in writing, through exposure to and study of literature and through challenging writing and reading tasks. We believe that this specific pursuit of knowledge through literature is an integral part of our students' development of a Muslim identity and that each student has the ability to learn, think critically and appreciate the written and spoken word as a means of expression and as an art form.

Course Descriptions Middle School

Emerging Reader courses will meet five days per week and Emerging Writer courses will meet three to five days per week.

Emerging Reader 6

In this year-long course, students form the foundation on which they will build their knowledge of literature. They will be exposed to different genres of literature with an emphasis on short stories, drama, autobiographies, and fiction. A minimum of two novels will be read as a class as a supplement to shorter anthology reading selections, as well as independent reading throughout the year. To become active readers, students will learn how to effectively ask themselves comprehension questions, increase their vocabulary with an emphasis on usage and understanding in context, and identify plot, imagery, symbolism, setting, and characterization. Students' exploration of literature will be primarily supplemented by writing and composition assignments. Opportunities will be provided for students to practice their public speaking and presentation skills through the many skits, class readings, and performances throughout the year.

Emerging Writer 6

The sixth grade program incorporates a significant amount of writing following the writing process that takes the student through pre-writing, drafting, editing, revising and publishing. The program also focuses on teaching coherence and unity in paragraphs and essays. Emphasis at the beginning of the year is spent with study and listening skills to help develop critical thinking. Students learn strategies and conventions for writing personal narratives, character developments, formal business proposals, cause and effect, and persuasive essays. Grammar concepts are introduced and reviewed for better writing presentation. Speaking and listening skills are used through the organization and development of oral presentations throughout the year. The students are provided the opportunity to integrate technology through word-processing and project presentation building.

Emerging Reader 7

The focus of this year-long course is to encourage students to become avid readers, life-long learners, and contributing members of our society. They will read a variety of literature including short stories, drama, mythology, and fiction. A minimum of four novels will be read as a class as a supplement to the shorter anthology reading selections, as well as independent reading throughout the year. There will be explicit instruction on reading strategies and skills designed to improve comprehension and to promote active reading such as annotating, identifying literary elements and devices, and increasing their vocabulary proficiency in context. Opportunities will be provided for students to practice their public speaking and presentation skills through the many skits, class readings, and performances throughout the year.

Emerging Writer 7

The primary focus of this year-long course is to improve students' writing skills by engaging them in writing of all genres. This begins with the writer's ability to transfer his or her ideas into written form in a cohesive, organized structure with correct grammar usage and ensure that it is palatable to a wide audience. Some of the types of

writing students will produce are persuasive essays, expository essays, research essays, media reviews, character sketches, and business memorandums. Other creative forms of writing incorporated into the curriculum are personal narratives, short stories, demonstrative speeches, group skits, animal sketches, and poetry. Students also learn to refine their grammar and revision skills by participating in peer revision for each writing assignment. This class is meant to prepare students for high school composition and standardized writing.

Emerging Reader 8

The primary focus of this year-long course is to prepare students for the Students will be exposed to a variety of literary forms and techniques, including short stories, drama, and poetry. Students will also read a minimum of four novels of fiction/non-fiction in order to improve their reading ability and to develop critical reading skills. Students will combine their study of literature with composition to create an opportunity for synthesis and critical thought. Students will get ready for high school by learning that reading is an active analytical dialogue between the reader, the text, and the context in which something is read.

Emerging Writer 8

The focus of this year-long course is to increase students' knowledge of grammar and punctuation in the English language. Students will begin by learning the basic parts of a sentence, and will end the year with the ability to diagram all parts of a sentence completely. Some of the grammar content includes subjects and predicates, verbs and verbal phrases, verb participles, adjectives, gerunds and gerund phrases, types of sentences, and punctuation usage. Grammar content will be put into use through the many short essays and journal entries students will write to effectively utilize their grammar skills. The study of new vocabulary words will also be incorporated in their study throughout the year, with emphasis on usage and understanding in context. Students also practice their public speaking skills through the many skits and grammar presentations given throughout the year.

Humanities- Grades 7 and 8

Full Course Description- This course is a component of the Pre-AP program for 7th and 8th graders that will engage literary works with focuses on philosophy, human rights literature, western civilization, visual arts movements, mythology, and theatre. Through close reading, shared inquiry discussion and applying critical reading strategies students will develop higher reading skills. This course will offer students an opportunity to explore their personal creativity and develop an aesthetic value for the classics. Students will compose writing that models the in-class readings. The genres of writing will include literary analysis, synthesis writing, narrative writing, poetry, and play writing. The pre- requisites for this course are: score of 5 or above on comprehension section of the three-minute probe assessment, score of 20 or above on the writing assessment, 90th percentile tile on the IOWA test of basic skills, score of 21 or above on the English and Reading sections of the Explorer Exam, and teacher recommendation.

Pre-AP English- Grades 7 and 8

The Pre-AP English course is about developing elevated writing skills and critical reading skills. Students will become familiar with great works of literature by the close reading of various novels, short stories, non-fiction, poems, and plays. Students will strengthen their ability to interpret the ways writers use language to provide both meaning and aesthetic value for their readers. As they read, students will consider a work's structure, a writer's style, arguments and themes. Students will also analyze all other literary elements as well. Student's writing will reflect the themes of the literature as well as integrate other content areas. The assignments will range from literary analysis to research writing to reflective analysis writing. The expectation in this course is that students master writing using MLA and APA format by the end of the year. Mastery of this course will meet college board requirements for preparation to excel in high school Advanced Placement courses. The pre- requisites for this course are: score of 5 or above on comprehension section of the three-minute probe assessment, score of 20 or above on the writing assessment, 90th percentile tile on the IOWA test of basic skills, score of 21 or above on the English and Reading sections of the Explorer Exam, and teacher recommendation.

Course Descriptions High School

ENGLISH 9—Survey of Genres

Students will be exposed to literature from a variety of genres and direct instruction of the reading and writing strategies and processes needed to understand this literature. Classroom discussion, activities, writing tasks and group assignments will be both guided and independent, and students will be expected to apply standard writing conventions and basic rhetorical strategies by the end of the year. Reading instruction will be centered on inferential comprehension and abstract analysis, with an increased focus on independent development of interpretations grounded in the text and effective marginal textual notes.

ENGLISH 10—Individual and Society in the World

In this course students will become independent learners by applying critical reading and writing skills to literature representing various time periods and cultures. Students will explore the theme of the individual versus society in the context of women, politics/war, race/religion, and science/technology. Reading skill development will include increased use of in-text notes and questions, creation of clear, direct and textually supported interpretations, and ability to draw thematic connections across multi-genre units. Composition emphasis will focus on the proof of an arguable thesis and the development of persuasive arguments. Discussions, classroom activities and written assignments will be structured, but moderately directed and based on topics determined by the teacher and initiated by students.

ENGLISH 11—American Literature

In this course, students will explore movements and themes in American literature such as the defining of America and the minority experience, the creation of the new world and the Puritans, Romanticism and Transcendentalism and the interpretation of imaginative literature and the modern age. Reading skill development will include self-directed close-reading and inquiry, construction of textually based interpretative questions, analysis of literary passages, and recognition of thematic connections across multi-genre units. Composition emphasis will focus on the creation of an arguable thesis and the development of persuasive arguments. Discussions, classroom activities and written assignments will be based on shared inquiry and Socratic questioning on essential questions that emerge from the text.

ENGLISH 12—British Literature

The British literature class is a class that includes the study of spoken and written language traditions of England from the year 449 to present. The course will progress chronologically from the past toward the present and will include readings outside the textbook where works can be studied in their entirety and with greater time and care given to understanding their deeper meanings and structures. The class starts with the Old English and Medieval periods. Next, we shall visit the British Renaissance and the 17th and 18th centuries. Finally, our trip shall come to an end with the Romantic and Victorian periods. Emphasis is placed on historical background, cultural context, and literary analysis of selected prose, poetry, and drama. Upon completion, students should be able to interpret, analyze, and respond to literary works in their historical and cultural contexts.

ENGLISH AP English Language & Composition

This class focuses both on American Literature and preparing for the AP English Language and Composition exam. According to the College Board's course description, the purpose of this course "is to enable students to read complex texts with understanding and to write prose sufficient richness and complexity to communicate effectively with mature readers." The course will be organized thematically, while examining works through "rhetorical strategies and stylistic choices." We will focus on reading critically, thinking critically, and writing critically. The course will require students to not only understand what the authors arguments are, but also how they use style and

rhetoric to effectively communicate their argument. The theme of our coursework this year will be the nature of man. All of our readings will relate directly to this topic.

ENGLISH AP Literature and Composition

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students can deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students should consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone.

Etymology

Etymology is defined as “the theory and study of the origins and history of linguistic form.” In other words, etymology is the study of where words come from. The study of etymology serves a variety of purposes. To start, it makes us as speakers of the English language more aware of what we are saying and writing. Additionally, etymology improves vocabulary in a more powerful and lasting way than simply memorizing a set of words. Beyond all this, etymology is a fascinating glimpse into history, literature, and even science. This course will focus most intensively on Greek and Latin roots and affixes, since most of the English language originated from these. It will also investigate the history of language, borrowed words and their origins, dialect patterns in the US, field-specific vocabularies and national language policy. Traditional vocabulary work will also be included, but studied in a way that makes use of knowledge of word parts. Course work will rely heavily on supplemental readings from college-level texts, word part exercises, handouts and weekly word part quizzes, but projects and papers will also be assigned.