



مدارس الفارس العالمية
Al FARIS International School

COURSE DESCRIPTIONS BY GRADE LEVEL

Pre-School	English	<p>We have implemented the Houghton Mifflin PRE-K program for the Preschool section of 3 to 4 year olds. This program is a hands-on, minds-on curriculum that is based on scientific research. It provides children with the foundational skills they need to succeed as lifelong learners. Delightful literature that motivates and sparks the imaginations of young learners is the foundation of Houghton Mifflin PRE-K. Big Books with content-area links, Read Aloud Books and Stories create a rich print environment, engaging children in a wealth of literacy activities.</p>
	العربية اللغة	<p>تلمس خلال من حواسه على والتعرف الايجابية العادات لاكتساب الطفل تهيئة تتضمن بالصورة وربطها تبدأ التي والكلمات الحروف هذه أصوات على والتعرف وتلونية الحرف الأناشيد وترديد لها المناسبة</p>
	الإسلامية التربية	<p>مرحلة في الطفل الى الصحيحة مبادئنا إيصال إلى الإسلامية التربية مادة في نهدف لها مبسط وتفسير القرآنية السور بعض وحفظ وديننا ونبينا خالقنا على وتعريفه الروضة . وأدعية نبوية وأحاديث</p>
KG 1	English	<p>The KG 1 English program is founded on the Scott Foresman Reading Street Curriculum. It is designed to build readers through motivating and engaging literature and scientifically research-based instruction. Skill instruction is prioritized at each grade level and support for English Language Learners is built into the program. Additional support is provided by <i>MCP Phonics Level K</i>, which develops the alphabetic and phonemic awareness, phonics, and oral language skills youngsters need. Letters</p>

		and sounds are introduced through a consistent six-page lesson sequence, which includes letter recognition, writing the letter, phonemic awareness, sound-symbol correspondence, and a Picture Dictionary page. An array of multisensory teaching options address different learning styles.
	Math	Progress in Mathematics implements practices that lead to engaged, reflective learners. The My Math program was developed to meet the latest Common Core Standards. In order to capture the students' imaginations, each lesson is built around a theme. Lessons provide students with real world connections to Math problem-solving practice and allow differentiated instruction to reach all types of learners.
	العربية اللغة	طريق عن ذلك المعلومات اكتساب وتعرفها به المحيطة للبيئة الطفل اكتشاف الى نهدف وسائل عرض طريق عن الحروف بعض اكتساب والفكرية الحركية الأنشطة ممارسة وقراءة وكتابتاً سماعاً الحرف واكتشاف للأطفال مشوقة قصة طريق عن أو حسية إيضاح الحرف هذا بها يوجد التي الكلمات بعض
	الإسلامية التربوية	نهدف في مادة التربية الإسلامية إلى إيصال مبادئنا الصحيحة الى الطفل في مرحلة الروضة وتعريفه على خالقنا ونبينا وديننا وحفظ بعض السور القرآنية وتفسير مبسط لها وأحاديث نبوية وأدعية.
	الرياضيات	(10 الى 1) من مدلولاتها مع الأرقام الأطفال إعطاء يتم
KG 2	English	The KG2 English programs is founded on the Scott Foresman Reading Street Curriculum. It is designed to build readers through motivating and engaging literature and scientifically research-based instruction. Skill instruction is prioritized at each grade level and support for English Language Learners is built into the program. For additional word study, we have adopted Sadlier Phonics. This program helps create a meaningful and functional environment, which is vibrant, age-appropriate, and flexible enough to accommodate children with different learning styles.
	Math	Progress in Mathematics helps students develop their ability to use problem-solving strategies and build a true concept of what it means to "do" math. Step-by-step instruction leads to conceptual understanding. The program provides frequent, sequenced practice that develops fluency with skills. It supports higher-order thinking skills and helps foster the strong development of problem-solving competence.
	Science	Macmillan/McGraw-Hill's dynamic science program, Science:

		<p><i>A Closer Look</i>, offers students exciting and accessible standards-based lessons. Engaging activities promote curiosity and foster the development of science inquiry skills. Through a consistent and structured learning cycle, students confidently build upon their experiences to develop a lifelong understanding of science concepts.</p>
	العربية اللغة	<p>الحرف الإدراك خلال من التطبيقية والأنشطة الشفهي والتعبير للقراءة الأعداد يتضمن على التعرف طريق عن والانفصال الاتصال الأطفال وتعرف الحواس عبر وفكريا دماغيا الطويل والمد (الفتحة) القصير المد أصوات وأدراك لكلمة وآخر وسط أول في الحرف لهذه غيبا للإملاء والتحضير للقراءة سهلة كلمات وتكوين (والياء والواو الممدودة الألف) في يتمكن حتى أكتسبها التي الكلمات خلال من جمل تكوين ثم ومن قراءتها الكلمات قصيرة قصة قراءة من النهاية</p>
	الإسلامية التربية	<p>مرحلة في الطفل الى الصحيحة مبادئنا إيصال إلى الإسلامية التربية مادة في نهدف لها مبسط وتفسير القرآنية السور بعض وحفظ وديننا ونبينا خالقنا على وتعريفه الروضة . وأدعية نبوية وأحاديث</p>
	الرياضيات	<p>(20 إلى 1) من مدلولاتها مع الأرقام الأطفال إعطاء يتم</p>
Grade 1	English	<p>We currently provide McGraw Hill textbooks which include the Reading Wonders Series. In alignment with the Common Core State Standards, Reading Wonders is designed for all learners - both striving and struggling. It provides engaging text and activities to develop the children's reading and grammar skills. For more information on the Reading Wonders series please visit: http://mhreadingwonders.com/reading-wonders/</p> <p>In addition to the Wonders reading and grammar, our students are privileged to be taking part in the Lucy Calkins writing workshops. The teacher acts as a mentor author, modeling writing techniques and conferring with students as they move through the writing process. Direct writing instruction takes place in the form of a mini-lesson at the beginning of each workshop and is followed by active writing time. During this time, teachers guide students individually or in small groups.</p> <p>Students also participate in the Daily 5 literacy program, which has five components: read to self, read to partner, listen to reading, word work and writing. Through the Daily 5, students learn to focus independently on literacy tasks, building positive habits for life-long learning. This also frees the teacher to work with small groups or individuals.</p>

	Math	<p>Students will explore the addition and subtraction concepts, apply mental math(addition and subtraction facts), place value and numbers to 120, organize and use graphs, two-digit addition and subtraction facts, geometry (two and three dimensional shapes and equal shares), fractions, measurement and time, operations and data, support concept acquisition through the use of manipulative and hands-on, interactive activities that reinforce grade-level math concepts, and introduce as well as assess math concepts using real life situations in an effort to make math meaningful and relevant. (McGraw-Hill book)</p>
	Science	<p>Students in first grade learn about the properties of solids, liquids, and gases and use words and drawings to record their observations about various objects. They deepen their understanding of the needs and structures of plants and animals.</p> <p>First-grade students also continue their study of weather, observing, measuring, and recording weather conditions regularly to learn more about day-to-day and seasonal changes. They use simple tools and technology, with adult assistance provided as necessary.</p> <p>First-graders respond to <i>who, what, when, where, and how</i> questions. They expand their vocabulary by learning appropriate grade-level scientific terms (such as <i>freezing, melting, heating, dissolving, and evaporating</i>). They participate in classroom discussions to share ideas and evidence and learn to re-evaluate their thinking when presented with new evidence. They make new observations when discrepancies exist between two descriptions of the same object or phenomenon. Science learning is facilitated by hands-on activities and games that include explicit teaching of scientific concepts and vocabulary.</p>
	Social Studies	<p>Our primary Social Studies curriculum is designed to immerse our students in the center of learning while exploring who they are and the roles they play in their family, school, community, country and world. World geography is also an important component of our Grade 1-5 social studies program. To accomplish these goals we do not rely on any one text but instead make use of engaging digital e-books, handouts and in-class projects.</p>

	French	Durant cette année, l'élève prendra: Vocabulaire - pour enrichir son langage; Phonétique - pour arriver à prononcer et à lire des mots; Des comptines et des poèmes - qui permettent de mémoriser le lexique.
	Computer	Children will use Kidpix to become acquainted to the computer. This introduction includes identifying computer hardware, rules when using the computer, and how to turn the computer on and off properly. Students also have fun with shapes and colors. They create various pictures using different shapes and colors. They also create various pictures using different Numbers and Letters.
	العربية اللغة	نهدف في مادة اللغة العربية إلى تعريف التلاميذ على أساسيات قواعد اللغة العربية و إتقان الحروف نطقاً وكتابةً والتدرّج بها إلى الكلمات، ثم الجُمَل، ثم الفقرات فالتّصوُّص. كما نهدف إلى تحليل نصوص القراءة وفقاً لمستوى التلاميذ، وإغناء المخزون اللغويّ لديهم وتنمية المهارات الإملائيّة لدى التلاميذ من خلال بعض أساسيات الإملاء.
	الإسلامية التربية	نهدف في مادة التربية الإسلامية إلى إيصال مبادئنا الصحيحة إلى التلاميذ من خلال حفظ بعض الآيات القرآنية أسبوعياً ثم تسميعها كاملة في آخر السورة وتفسير هذه الآيات بصورة إجمالية مع التأكيد على حفظ أساسيات الدين الإسلامي، وربط هذه الأساسيات بحياة التلميذ اليوميّة.
Grade 2	English	<p>We currently provide McGraw Hill textbooks which include the Reading Wonders Series. In alignment with the Common Core State Standards, Reading Wonders is designed for all learners - both striving and struggling. It provides engaging text and activities to develop the children's reading and grammar skills. For more information on the Reading Wonders series please visit: http://mhreadingwonders.com/reading-wonders/</p> <p>In addition to the Wonders reading and grammar, our students are privileged to be taking part in the Lucy Calkins writing workshops. The teacher acts as a mentor author, modeling writing techniques and conferring with students as they move through the writing process. Direct writing instruction takes place in the form of a mini-lesson at the beginning of each workshop and is followed by active writing time. During this time, teachers guide students individually or in small groups.</p> <p>Students also participate in the Daily 5 literacy program,</p>

		<p>which has five components: read to self, read to partner, listen to reading, word work and writing. Through the Daily 5, students learn to focus independently on literacy tasks, building positive habits for life-long learning. This also frees the teacher to work with small groups or individuals.</p>
	<p>Math</p>	<p>The students will explore, review and practice the numbers and operations - numbers to 120, tables and graphs, adding and subtracting strategies, 2-digit addition and subtraction numbers, 3-digit addition and subtraction numbers, add three or four two-digit numbers with and without regrouping, students will apply mental math in (addition, subtraction), time and data , apply skip counting by using money (pennies,nickels,and dimes), probability, geometry and patterns - geometric shapes and equal shares, measurement - customary and metric measurements, fractions, exploring greater numbers and operations - numbers to 1,000, will be introduced to multiplication concept up to 5,and 10 , participate in hands-on and interactive activities that reinforce math concepts, and develop math vocabulary. (McGraw-Hill book)</p>
	<p>Science</p>	<p>In second grade, scientific investigation focuses on the students' questioning, observation, and communication skills. Students need time to examine different ideas, ask questions, observe patterns, make predictions, use simple equipment and tools, and discuss what they see with others. They develop skills in making careful, replicable, and validated observations and have multiple opportunities to communicate their findings in writing, through pictures, and orally. In addition, students learn about the important role of technology in science.</p> <p>In the physical sciences, second-grade students learn about forces (pushes and pulls) and the phenomena of gravity, magnetism, and sound. In the life sciences, they learn about the life cycles of animals and plants and the basics of inheritance. In the earth sciences, students learn that rocks are composed of different combinations of minerals, that smaller rocks and soil are made from the breakage and weathering of larger rocks, and that soil also contains organic materials. Students are introduced to fossils and</p>

		<p>the evidence they provide about Earth's history. With appropriate tools, students practice measuring length, weight, temperature, and liquid volume, expressing those measurements in standard metric-system units. They learn to organize their observations into a chronological sequence and are able to follow oral instructions for an investigation.</p>
	Social Studies	<p>Our primary Social Studies curriculum is designed to immerse our students in the center of learning while exploring who they are and the roles they play in their family, school, community, country and world. World geography is also an important component of our Grade 1-5 social studies program. To accomplish these goals we do not rely on any one text but instead make use of engaging digital e-books, handouts and in-class projects.</p>
	French	<p>Durant cette année, l'élève prendra: Vocabulaire - pour enrichir son langage; Phonétique - pour arriver à prononcer et à lire des mots; Des comptines et des poèmes - qui permettent de mémoriser le lexique.</p>
	Computer	<p>In the TechnoArtist project students produce beautiful artwork using digital paint tools. By applying their artistic talents, students earn an <i>Awesome Artist</i> certificate. The activities develop fundamental computer skills such as how to open, close, and save a file. Moreover, the activities develop the fine motor skills required to operate the mouse effectively as well as comprehension of mouse terminology.</p>
	العربية اللغة	<p>نهدف في مادة اللغة العربية إلى تعريف التلاميذ على أساسيات قواعد اللغة العربية واتفان الحروف نطقاً وكتابةً والتدرج بها إلى الكلمات، ثم الجُمَل، ثم الفقرات فالتنصوص. كما نهدف إلى تحليل نصوص القراءة وفقاً لمستوى التلاميذ، وإغناء المخزون اللغوي لديهم وتنمية المهارات الإملائية لدى التلاميذ من خلال بعض أساسيات الإملاء.</p>
	الإسلامية التربوية	<p>نهدف في مادة التربية الإسلامية إلى إيصال مبادئنا الصحيحة إلى التلاميذ من خلال حفظ بعض الآيات القرآنية أسبوعياً ثم تسميعها كاملة في آخر السورة وتفسير هذه الآيات بصورة إجمالية مع التأكيد على حفظ أساسيات الدين الإسلامي، وربط هذه الأساسيات بحياة التلميذ اليومية.</p>
Grade 3	English	<p>We currently provide McGraw Hill textbooks which include the Reading Wonders Series. In alignment with the Common Core State Standards, Reading Wonders is designed for all learners - both striving and struggling. It provides engaging text and activities to develop the children's reading and grammar skills. For more information on the Reading Wonders series please visit:</p>

		<p>http://mhreadingwonders.com/reading-wonders/</p> <p>In addition to the Wonders reading and grammar, our students are privileged to be taking part in the Lucy Calkins writing workshops. The teacher acts as a mentor author, modeling writing techniques and conferring with students as they move through the writing process. Direct writing instruction takes place in the form of a mini-lesson at the beginning of each workshop and is followed by active writing time. During this time, teachers guide students individually or in small groups.</p> <p>Students also participate in the Daily 5 literacy program, which has five components: read to self, read to partner, listen to reading, word work and writing. Through the Daily 5, students learn to focus independently on literacy tasks, building positive habits for life-long learning. This also frees the teacher to work with small groups or individuals.</p>
	Math	<p>The students will explore grade-level concepts: understand numbers and operations by comparing, ordering and rounding numbers, as well as determining place value, review and explore addition and subtraction using 3-4 digits with or without regrouping.</p> <p>Students will apply mental math in addition, subtraction and multiplication facts, practice telling time and time intervals, understand geometric, solid and plane figures, find the perimeter and area for rectangles and composite figures, practice collecting, recording and analyzing data within a graph, understand metric units of measurement. Students will be introduced to probability and algebraic patterns, third graders will compare and find the equivalent fractions, as well as assess multiplication and division concepts up to 10 using real life situations. Students will participate in hands-on and interactive activities that reinforce grade-level math concepts.</p>
	Science	<p>During third grade, students further develop the important skills of making careful, replicable, and validated observations; recognizing patterns; categorizing; developing questions and answers; and communicating</p>

		<p>findings both in writing and orally. They conduct research, read about new topics, and learn more about the important role of technology in the sciences.</p> <p>Students in grade three further develop their understandings of the structure of matter and forces of interaction. They study the properties of light and learn how light affects the perception of direction, shadow, and color. They extend their knowledge of ecology by learning about different environments, such as oceans, deserts, tundra, forests, grasslands, and wetlands, and the types of organisms adapted to live in each. They learn that objects in the sky move in regular and predictable patterns.</p> <p>Third-graders practice making precise measurements and learn that even careful measurements are sometimes subject to error. They also learn that predictions are not guesses and that predictions must be verified by experiments and the analysis of data gathered through careful measurements.</p>
	Social Studies	<p>Our primary Social Studies curriculum is designed to immerse our students in the center of learning while exploring who they are and the roles they play in their family, school, community, country and world. World geography is also an important component of our Grade 1-5 social studies program. To accomplish these goals we do not rely on any one text but instead make use of engaging digital e-books, handouts and in-class projects.</p>
	French	<p>Durant cette année, l'élève prendra: Vocabulaire - pour enrichir son langage; Phonétique - pour arriver à prononcer et à lire des mots; Des comptines et des poèmes - qui permettent de mémoriser le lexique.</p>
	Computer	<p>In this project, students create a multimedia report about an animal following step by step PowerPoint lesson plans. Using various resources, they gather facts about the diet, habitat, appearance, young, and threats of their selected animal. These facts are organized onto slides to produce an interesting and informative presentation.</p>
	العربية اللغة	<p>نهدف في مادة اللغة العربية إلى تعريف التلاميذ على أساسيات قواعد اللغة العربية واتقان الحروف نطقاً وكتابةً والتدرّج بها إلى الكلمات، ثم الجُمَل، ثم الفقرات فالتّصوُّص. كما نهدف إلى تحليل نصوص القراءة وفقاً لمستوى التلاميذ، وإغناء المخزون اللغوي لديهم وتنمية المهارات الإملائية لدى التلاميذ من خلال بعض أساسيات الإملاء.</p>
	الإسلامية التربوية	<p>نهدف في مادة التربية الإسلامية إلى إيصال مبادئنا الصحيحة إلى التلاميذ من خلال حفظ</p>

		<p>بعض الآيات القرآنية أسبوعياً ثم تسميها كاملة في آخر السورة وتفسير هذه الآيات بصورة إجمالية مع التأكيد على حفظ أساسيات الدين الإسلامي، وربط هذه الأساسيات بحياة التلميذ اليومية.</p>
Grade 4	English	<p>This course is designed to facilitate student growth in the areas of reading, writing, spelling, and grammatical skills. The purpose of the Grade Four Language Arts Program is to help students move from learning to read to reading to learn in subject-matter content. Fourth grade students read increasingly complex narrative and expository text with appropriate pacing, intonation, and expression. They use appropriate comprehension strategies when reading for different purposes, and learn to compare and contrast information on the same topic after reading different texts. Students also learn to define and identify figurative language (e.g., simile, metaphor, etc.). Students write multiple-paragraph compositions, with an introduction, supporting paragraphs, and a conclusion. They write narratives, responses to literature, information reports, and summaries.</p>
	Math	<p>The grade 4 mathematics course is built upon many previously learned skills. Students will work carefully to acquire new skills that will prepare them for future math courses. Fourth grade math will begin with a review of topics such as place value, rounding and comparing numbers, and multi digit addition and subtraction. Upon completion of the review, new concepts will be explored in multiplication, division, fractions, decimals, geometry, and measurement. In addition, critical thinking, problem-solving, and analysis will be introduced to help shape the course lessons.</p>
	Science	<p>During fourth grade, students learn to formulate and justify predictions based on cause-and-effect relationships, differentiate observation from inference, and conduct multiple trials to test their predictions. In collecting data during investigative activities, they learn to follow a written set of instructions and continue to build their skills in expressing measurements in metric system units. Students develop their own questions, conduct scientific investigations, and communicate their findings in writing. In physical science, students in grade four enhance their understandings of electricity and magnetism and consider the practical applications of these effects, building simple circuits, compasses and electromagnets. In their study of</p>

		<p>life sciences, students extend their knowledge of ecology by learning about food chains and webs and exploring the relationships between producers, consumers, and decomposers. They consider all components of an ecosystem, living and nonliving, and are introduced to microorganisms.</p> <p>In earth science, fourth-graders learn about rocks, minerals, and the rock cycle. They learn how to differentiate rocks on the basis of their properties and how to identify common minerals. Students also study the processes of erosion and weathering and learn about the role of water in shaping the surface of Earth. In addition, students learn about rapid processes that change Earth's land surface: landslides, volcanic eruptions, and earthquakes.</p>
	<p>Social Studies</p>	<p>Our primary Social Studies curriculum is designed to immerse our students in the center of learning while exploring who they are and the roles they play in their family, school, community, country and world. World geography is also an important component of our Grade 1-5 social studies program. To accomplish these goals we do not rely on any one text but instead make use of engaging digital e-books, handouts and in-class projects.</p>
	<p>French</p>	<p>Durant cette année, l'élève prendra: Vocabulaire - pour enrichir son langage; phonétique - pour arriver à prononcer et à lire des mots; grammaire et conjugaison - pour avoir la compétence de composer des phrases simples et correctes.</p>
	<p>Computer</p>	<p>In this project, students track down the clues to crack the case. The fun starts when they become police detectives in TechnoVille. Their sleuthing skills are put to test when they must narrow down the list of suspects in a Microsoft Access database to solve the Mystery of the Stolen Door Knobs, Case of the Power Prankster, and Mystery of the Mischief Maker. Afterwards, they transform a photo into a composite drawing using Paint and then enter the information about the suspect into a database. To prepare for the next case, they learn how to use Windows Search to find hidden clues. These skills are then applied to reveal the identity of the Keyboard Crook in the Mystery of the Missing Keys. Upon the arrest, students broadcast a news</p>

		<p>story to report the capture to the citizens of TechnoVille using Microsoft PowerPoint.</p>
	<p>العربية اللغة</p>	<p>يهدف تعليم مادة اللغة العربية في الصفوف الابتدائية العليا على جعل المتعلم قادراً على استخدام العربية الفصحى المبسطة وسيلة تعبير عن الذات وتواصل مع الآخرين ومعبراً إلى القراءة والكتابة. ثم توظيف الكلام في التعبير عن أغراض مختلفة بأساليب متنوعة وإغناء مخزونه اللغوي من المفردات والتراكيب لتوظيفه في الكلام فهماً وأداءً، مع التعبير عما فهمه من النصوص المقروءة من خلال تمرين ذاكرته على حفظ مقطوعات شعرية موضوعاتها محببة، وتنمية خياله وإبراز مواهبه بالتعبير وتقنياته.</p> <p>التعرف على بعض مبادئ الإملاء والقواعد في النصوص من خلال دراسة النص وشرحه.</p>
	<p>الإسلامية التربية</p>	<p>نهدف في مادة القرآن الكريم اتقان التلاوة مع تفسير الآيات بصورة إجمالية وحفظ الآيات اسبوعياً ثم تسميعها كاملة في آخر السورة. أما في مادة الحديث نتطلع إلى تحفيظ الطلاب بعض الأحاديث الهادفة مع الشرح، ومعرفة فضل الصلوات الخمس والطهارة وفضل الوضوء وصفته. في مادة الفقه يتعلم التلاميذ أصول الدين وأركانها وفرائض وسنن الرسول) ص. (أما مادة التوحيد الهدف منها توحيد الخالق والإخلاص له بالعبادة.</p>
<p>Grade 5</p>	<p>English</p>	<p>The purpose of the Grade Five Language Arts Program is to continue ensuring that students are prepared to read complex narrative and expository texts in subject-matter areas. Fifth grade students discern main ideas, concepts, and evidence in text. They identify conflict and resolution in fiction, and understand and recognize themes, as well as common literary devices (e.g., imagery, symbolism). In grade five, students write effective multiple-paragraph narrative and expository compositions. They write formal introductions, use supporting evidence, and summarize important ideas in a conclusion. They write narratives, responses to literature, research reports, and persuasive compositions.</p>
	<p>Math</p>	<p>Grade 5 is a balanced program, focusing on numerical fluency, conceptual understanding, and problem solving. This course provides a systematic assessment of progress to adjust instruction according to student needs to assist in developing the necessary mathematical skills. New concepts are carefully modeled and students are given sufficient practice for numerical fluency. Students will have many opportunities to build mathematical thinking skills while problem-solving, using algebraic reasoning, and communicating mathematically. The fundamental skills during this year of mathematics include: operations with whole numbers; addition, subtraction and multiplication of fractions and decimals; concept development for division of fractions and decimals; estimation; geometry with simple</p>

		two and three dimensional figures; integers and the coordinate plane; measurement; patterns; and data analysis.
	Science	<p>During fifth grade, students learn to develop testable questions and plan their own investigations, selecting appropriate tools to make quantitative observations. In the physical sciences, students develop the ability to distinguish between molecules and atoms and chemical compounds and mixtures and learn about the organization of atoms on the periodic table of the elements. They learn about chemical reactions and discover the special properties of metallic elements and salts.</p> <p>In the life sciences, they learn the basics of physiology, building on what they have learned in previous grades about the external adaptations of plants and animals to learn about the internal structures and processes of living things.</p> <p>Students in grade five also deepen their understanding of the hydrologic cycle, the process by which water moves between the land and the oceans. They learn how the hydrologic cycle influences the distribution of weather-related precipitation. They study the causes and effects of weather. They also study the solar system and learn that it contains asteroids, comets, the Sun, planets, and moons. They learn the composition of the Sun and the relationship between gravity and planetary orbits.</p>
	Social Studies	Our primary Social Studies curriculum is designed to immerse our students in the center of learning while exploring who they are and the roles they play in their family, school, community, country and world. World geography is also an important component of our Grade 1-5 social studies program. To accomplish these goals we do not rely on any one text but instead make use of engaging digital e-books, handouts and in-class projects.
	French	Durant cette année, l'élève prendra: Vocabulaire - pour enrichir son langage; phonétique - pour arriver à prononcer et à lire des mots; grammaire et conjugaison - pour avoir la compétence de composer des phrases simples et correctes.
	Computer	In this project, students put on their thinking caps to create some brainteasers that are sure to challenge their friends. Using Microsoft Excel, they are introduced to a spreadsheet environment by playing, you found My X-Cell. They apply their new-found knowledge to create a word search. The fun continues when students produce a mad lib,

		<p>which are funny stories that are spontaneously made up with an unexpected result. To complete the project a quiz id developed using simple if-then statements that immediately tells the respondent whether they are correct or need to try again.</p>
	العربية اللغة	<p>يهدف تعليم مادة اللغة العربية في الصفوف الابتدائية العليا على جعل المتعلم قادراً على استخدام العربية الفصحى المبسطة وسيلة تعبير عن الذات وتواصل مع الآخرين ومعبراً إلى القراءة والكتابة. ثم توظيف الكلام في التعبير عن أغراض مختلفة بأساليب متنوعة وإغناء مخزونه اللغوي من المفردات والتراكيب لتوظيفه في الكلام فهماً وأداءً، مع التعبير عما فهمه من النصوص المقروءة من خلال تمرين ذاكرته على حفظ مقطوعات شعرية موضوعاتها محببة، وتنمية خياله وإبراز مواهبه بالتعبير وتقنياته.</p> <p>التعرف على بعض مبادئ الإملاء والقواعد في النصوص من خلال دراسة النص وشرحه.</p>
	الإسلامية التربية	<p>نهدف في مادة القرآن الكريم اتقان التلاوة مع تفسير الآيات بصورة إجمالية وحفظ الآيات اسبوعياً ثم تسميعها كاملة في آخر السورة. أما في مادة الحديث نتطلع الى تحفيظ الطلاب بعض الأحاديث الهادفة مع الشرح، ومعرفة فضل الصلوات الخمس والطهارة وفضل الوضوء وصفته. في مادة الفقه يتعلم التلاميذ اصول الدين واركانه وفرائض وسنن (الرسول) ص. (أما مادة التوحيد الهدف منها توحيد الخالق والإخلاص له بالعبادة.</p>
Grade 6	English	<p>The English/Language Arts program for Grade 6 is balanced and comprehensive. Course components include the study of rich and varied literature; writing in the genres of narrative, persuasive, expository, and response to literature, direct instruction in language arts skills and strategies, including vocabulary development, spelling, and grammar; a balance of oral and written language activities; and on-going diagnosis and assessment.</p>
	Math	<p>The focus of this course will be the grade 6 mathematics standards.</p> <p>Students should demonstrate progress toward mastery of the four arithmetic operations with positive and negative numbers, whole numbers, fractions, and decimals. Students should begin to apply that knowledge to statistic and probability as well as the concepts of mean, median, and mode of data sets and how to calculate the range. Students will learn how to compute ratios, proportions, and percentages. They will understand pi, the formulas for the circumference and area of a circle and a polygon and the volume and surface area of a three-dimensional figure . Solving two-steps equalities and inequalities will be introduced, along with the concept of variables.</p>
	Science	<p>The science curriculum in sixth grade emphasizes the study of earth sciences. The standards in sixth grade present many of the foundations of geology and geophysics, including plate tectonics and earth structure, topography,</p>

		<p>and energy. The material is linked to resource management and ecology, building on what students have learned in previous grades.</p> <p>Sixth-grade science topics are organized into six standard sets: Plate Tectonics and Earth's Structure, Shaping Earth's Surface, Heat (Thermal Energy) (Physical Sciences), Energy in the Earth System, Ecology (Life Sciences), Resources, and Investigation and Experimentation. As students learn the content defined by the standards in the Life, Earth, and Physical Science strands, they are also practicing investigation and experimentation skills. That is, the investigation and experimentation standards should be infused throughout science instruction.</p>
	<p>Social Studies</p>	<p>Grade 6 course covers world history from ancient times to the 1st century A.D. It is a study of prehistory and the beginning of civilizations, significant achievements and events of peoples, empires, and nations, and is viewed as a record of both progress and decline. It also focuses on important events and issues in world civilizations; investigate the causes and effect of the rise of first civilizations, the impact of geographic factors on major historic events, and the impact of major religious and philosophical traditions. It highlights the different belief systems of early civilization, the historical themes that are developed to demonstrate the interrelations of ideas and events of the past and how they affect contemporary life. A focus for this course is that students would gain a new appreciation for history and Would begin to see historical figures as very real people. Students will learn to investigate for answers from a variety of sources, analyze research, and be able to present their conclusions in a logical manner. The students will gain a competent knowledge of events, peoples, causes, effects, and ideas that have shaped the world that we live in today.</p>
	<p>French</p>	<p>Durant cette année, l'élève prendra: Vocabulaire - pour enrichir son langage; phonétique - pour arriver à prononcer et à lire des mots; grammaire et conjugaison - pour avoir la compétence de composer des phrases simples et correctes.</p>
	<p>Computer</p>	<p>In this project, students become bloggers. They use a free blogging service to post articles about a topic. Through a series of language arts activities students learn how to</p>

		<p>share an insight, provide advice, and express an opinion as responsible digital citizens. They form a community of bloggers actively engaging in writing, reading, and commenting on blog posts.</p>
	العربية اللغة	<p>يهدف تعليم مادة اللغة العربية في الصفوف الابتدائية العليا على جعل المتعلم قادراً على استخدام العربية الفصحى المبسطة وسيلة تعبير عن الذات وتواصل مع الآخرين ومعبراً إلى القراءة والكتابة. ثم توظيف الكلام في التعبير عن أغراض مختلفة بأساليب متنوعة وإغناء مخزونه اللغوي من المفردات والتراكيب لتوظيفه في الكلام فهماً وأداءً، مع التعبير عما فهمه من النصوص المقروءة من خلال تمرين ذاكرته على حفظ مقطوعات شعرية موضوعاتها محببة، وتنمية خياله وإبراز مواهبه بالتعبير وتقنياته.</p> <p>التعرف على بعض مبادئ الإملاء والقواعد في النصوص من خلال دراسة النص وشرحه.</p>
	الإسلامية التربوية	<p>نهدف في مادة القرآن الكريم اتقان التلاوة مع تفسير الآيات بصورة إجمالية وحفظ الآيات اسبوعياً ثم تسميعها كاملة في آخر السورة. أما في مادة الحديث نتطلع إلى تحفيظ الطلاب بعض الأحاديث الهادفة مع الشرح، ومعرفة فضل الصلوات الخمس والطهارة وفضل الوضوء وصفته. في مادة الفقه يتعلم التلاميذ أصول الدين وأركانها وفرائض وسنن الرسول) ص. (أما مادة التوحيد الهدف منها توحيد الخالق والإخلاص له بالعبادة.</p>
Grade 7	English	<p>English Literature and writing course are 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. English Literature should include the in-depth reading of texts drawn from multiple genres, periods, and cultures. In addition to considering a work's literary artistry, students should consider the social and historical values it reflects and embodies.</p> <p>Writing should be an integral part of the English Literature. Writing assignments should focus on the critical analysis of literature and should include expository, analytical, and argumentative essays. Although critical analysis should make up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside how literature is written. The goal of both types of writing assignments is to increase students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret</p>

		them as they do.
	Math	<p><u>Algebra 1:</u> This course examines the basic structure of real numbers, algebraic expressions, and functions. The topics studied are linear equations, inequalities, functions and systems, quadratic equations and functions, polynomial expressions, data analysis, probability, and the elementary properties of functions. Mathematical modeling of real-life problems and problem solving are major themes of the course.</p> <p><u>Geometry:</u> Students study Geometry as a mathematical system through the deductive development of relationships in the plane and space developed intuitively in previous years. Students study congruent segments and angles, circle chords, secants and tangent segments, parallel and perpendicular lines, angle measure in triangles, direct and indirect triangle congruence and similarity, proofs, solids of revolution, logic, similar triangles, transformations, the Pythagorean Theorem, geometric constructions, coordinate geometry, and surface area and volume of solids.</p>
	Physics	<p>We are surrounded by principles of Physics in our everyday lives. The students should learn that everything around us can be described by using the tools of physics. The goal of physics is to use a small number of basic concepts, equations, and assumptions to describe the physical world. For grade (7), students study 'Integrated Science by Glencoe", this book enables the students to be aware of motion, forces, and Newton's Laws, the sun, earth and the moon system along with exploring our solar system.</p>
	Chemistry	<p>An introduction to the Chemistry and techniques of experimental chemistry with emphasis upon: matter-properties-changes-the periodic table-energy and enthalpy-earth system and changes (McGraw Hill Textbook).</p>
	Biology	<p>This course is an integrated study of the relationship between the structure and function of the human body and is concerned primarily with eukaryotic cells. Lectures are devoted to structural details and the molecular function of the different parts of the cell.</p>
	Social Studies	<p>The world History is designed to offer students the opportunity to begin a more global study of the earth's people and environment, concentrating on the understanding</p>

		<p>and basic concepts of world cultures, history and geography with emphasis on students' growing social studies skills. This course covers the rise, growth and decline of the world's greatest empires, the Greek and the Roman Empire. Students will analyze the geographic, political, economic, religious, and social structures of the early civilizations of Ancient Greece and Rome. The course also focuses on the Islamic civilization between <u>500BC-AD 1650</u>, Empires of Asia, China and Japan between 589-1644, and the civilizations of early America.</p>
	French	<p>Durant cette année, l'élève prendra: Vocabulaire - pour enrichir son langage; phonétique - pour arriver à prononcer et à lire des mots; grammaire et conjugaison - pour avoir la compétence de composer des phrases simples et correctes; dialogue - pour avoir la compétence de s'exprimer dans son environnement quotidien.</p>
	Computer	<p>In the first term students will use Photoshop to create a digital scrapbook. To start, students learn how to use a camera to take high-quality photographs. Once a library of images has been established, Photoshop is used to transform the picture into scrapbook pages. Ranging from whimsical to wacky, each page is a creative expression of the artist.</p> <p>In the second term, students will educate the public about an important environmental issue. They begin by researching facts and organizing the information under headings in a Microsoft Word document. Next, they use Microsoft Publisher to create a postcard and a poster in order to raise awareness as well as a more detailed brochure to describe the issue, explain the cause, and offer a solution.</p>
	العربية اللغة	<p>كلنا ثقة وحرص على أن يفهم النشئ قواعد اللغة العربية ويتقن مهاراتها في الخط والإملاء والنحو ولا ننسى أن نجعل هذا النشئ أن يعتز بهذه اللغة ويغار عليها ويتذوق أساليبها فالقدرة في اللغة والتعبير خير عون على سلامة التفكير.</p>
	الإسلامية التربوية	<p>وتزويده والإنسان الكون إلى الطالب نظرة لتستقيم الطالب نفس في العقيدة دعم الى نهدف الأساسية بالمفاهيم وتحقيق الوفاء للوطن بما يوافق هذا السن مع إكسابهم فضيلة المطالعة النافعة والرغبة في الإزدياد من العلم النافع والعمل الصالح وإستغلال أوقات الفراغ على وجه مفيد تزدهر به شخصية الفرد وأحوال المجتمع من خلال تكوين الوعي الإيجابي الذي يواجهه به الطالب لأفكار مضللة وهدامة.</p>

Grade 8	English	<p>English Literature and writing course are 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. English Literature should include the in-depth reading of texts drawn from multiple genres, periods, and cultures. In addition to considering a work's literary artistry, students should consider the social and historical values it reflects and embodies.</p> <p>Writing should be an integral part of the English Literature. Writing assignments should focus on the critical analysis of literature and should include expository, analytical, and argumentative essays. Although critical analysis should make up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside how literature is written. The goal of both types of writing assignments is to increase students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do.</p>
	Math	<p><u>Algebra 1:</u> This course examines the basic structure of real numbers, algebraic expressions, and functions. The topics studied are linear equations, inequalities, functions and systems, quadratic equations and functions, polynomial expressions, data analysis, probability, and the elementary properties of functions. Mathematical modeling of real-life problems and problem solving are major themes of the course.</p> <p><u>Geometry:</u> Students study <i>Geometry</i> as a mathematical system through the deductive development of relationships in the plane and space developed intuitively in previous years. Students study congruent segments and angles, circle chords, secants and tangent segments, parallel and perpendicular lines, angle measure in triangles, direct and indirect triangle congruence and similarity, proofs, solids of revolution, logic, similar triangles, transformations, the</p>

		Pythagorean Theorem, geometric constructions, coordinate geometry, and surface area and volume of solids.
	Physics	Physics is the science that attempts to describe how nature works using the language of mathematics. It is often considered the most fundamental of all the natural sciences. If the students have a good knowledge about the physical concepts, they can improve a lot in their lives and can develop their standards. Students study "Integrated Science" by Glencoe in this grade level. This course enables students to be aware of describing motion and its laws, energy, work and mechanics, sound and light, the solar system, stars and galaxies, and interference and diffraction.
	Chemistry	A continuation of the study of the principles of chemistry and their applications. The topics include : States of matter-Atom-Elements, compounds and mixtures-chemical bonds-chemical changes and reactions (Mac Graw Hill Textbook).
	Biology	This course is focused on the chemical foundations of life, the anatomy and physiology of the cell, and the integumentary, skeletal, muscular and nervous systems. Clinical applications are presented, which have particular relevance to students preparing for the health care professions. By its completion, students should have a comprehensive understanding of the architecture and function of living cells.
	Social Studies	The world History is designed to offer students the opportunity to begin a more global study of the earth's people and environment, concentrating on the understanding and basic concepts of world cultures, history and geography with emphasis on students' growing social studies skills. The course focuses on the political and religious changes in Western Europe during the early Middle Ages that shaped citizenship and government today. The Course also covers the High middle Ages and the new changes brought to art, trade, literature and people's lives after the Crusades. It will also focus on the Renaissance and Reformation periods caused by a diffusion of ideas that changed the cultural and religious lives of Europeans after the middle Ages, the Age of exploration, the discovery of the Americas, and the diffusion of goods and ideas that changed societies worldwide , and World war I.

	French	<p>Durant cette année, l'élève prendra: Vocabulaire - pour enrichir son langage; phonétique - pour arriver à prononcer et à lire des mots; grammaire et conjugaison - pour avoir la compétence de composer des phrases simples et correctes; dialogue - pour avoir la compétence de s'exprimer dans son environnement quotidien.</p>
	Computer	<p>In the first term, students will use Adobe Flash to animate the story "Out of this World". They begin by experimenting with the drawing tools and then they apply this knowledge to create the first scene in the story. Afterwards, they learn how to animate objects using static, frame by frame, motion tweening, shape tweening, and motion paths. They apply their skills to create the action. To make the story more interesting, they add sound effects to the production. Once students master the basics of animation, they apply their knowledge to produce their own Flash movie.</p> <p>In the second term, students became marketing executives for an amusement park. They use a variety of programs in Microsoft Office to complete a wide range of job duties. To start, students create a poster and exhibit placards using Microsoft Word and the Internet. Next, they create a graph with Microsoft Excel based on a consumer survey. They design an electronic billboard to attract visitors using Microsoft PowerPoint. An invitation to a park event is made with Microsoft Publisher. Finally, students examine amusement park data and filter records in a Microsoft Access database.</p>
	العربية اللغة	<p>كلنا ثقة وحرص على أن يفهم النشئ قواعد اللغة العربية ويتقن مهاراتها في الخط والإملاء والنحو ولا ننسى أن نجعل هذا النشئ أن يعتز بهذه اللغة ويغار عليها ويتذوق أساليبها فالقدرة في اللغة والتعبير خير عون على سلامة التفكير.</p>
	الإسلامية التربوية	<p>وتزويده والإنسان الكون إلى الطالب نظرة لتستقيم الطالب نفس في العفيدة دعم الى نهدف الأساسية بالمفاهيم وتحقيق الوفاء للوطن بما يوافق هذا السن مع إكسابهم فضيلة المطالعة النافعة والرغبة في الإزدياد من العلم النافع والعمل الصالح وإستغلال أوقات الفراغ على وجه مفيد تزدهر به شخصية الفرد وأحوال المجتمع من خلال تكوين الوعي الإيجابي الذي يواجه به الطالب لأفكار مضللة وهدامة.</p>
Grade 9	English	<p>English Literature and writing course are 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</p>

		<p>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. English Literature should include the in-depth reading of texts drawn from multiple genres, periods, and cultures. In addition to considering a work's literary artistry, students should consider the social and historical values it reflects and embodies.</p> <p>Writing should be an integral part of the English Literature. Writing assignments should focus on the critical analysis of literature and should include expository, analytical, and argumentative essays. Although critical analysis should make up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside how literature is written. The goal of both types of writing assignments is to increase students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do.</p>
	<p>Math</p>	<p><u>Algebra 2</u> Algebra 2 is the study of the complex number system, symbolic manipulation, and functions. Students discuss, represent, and solve increasingly sophisticated real-world problems using advanced algebraic and data analysis techniques incorporating technology. They also study the properties of functions, the algebra of functions, matrices, and systems of equations. Linear, quadratic, exponential, logarithmic, polynomial, and rational functions are studied with an emphasis on making connections to other disciplines and as preparation for a multitude of careers. Students apply advanced data analysis techniques to find, justify and use the best-fit model from all function models. Communication of the problem-solving skills used is an important part of this course.</p> <p><u>Trigonometry :</u> Trigonometry is a field of mathematics in which the geometric properties of the angles and edges of triangles are used to measure lengths. Real-world problems involving trigonometry are common in engineering, physics, construction and design. This course is well suited for students who need sufficient mastery of trigonometry for use in fieldwork as well as those continuing on to</p>

		engineering, kinesiology, surveying and physical sciences. Intermediate algebra skills are assumed.
	Physics	Physics is a subject studied for life, so if the students have a good knowledge about the physical concepts, they can improve a lot of their methods in their lives, accordingly they can develop their standards. For grade (9) students study 'Glencoe", this book enables students to be aware of representing motion, accelerated motion, forces in one dimension, displacement and force in two dimensions, gravitation, rotational motion, momentum and its conservation, work energy and its conservation, energy and its conservation, and thermal energy.
	Chemistry	An introduction to Intermediate Chemistry principles: Matter, structure of atom, periodic table, electronic structure, ionic/covalent and metallic bonds and structure, chemical reactions, stoichiometry, introduction to thermochemistry, kinetics. (Glencoe)
	Biology	This course introduces the cell structure and functions, emphasizing the molecular components, metabolism, organelles, motility, and growth and division. The molecular biology of cells and the regulation of cellular processes are emphasized. Laboratory exercises will include light microscopy, molecular cellular experiments, and other experiments in cell biology.
	Social Studies	This course covers world history in the 20 th century and the present time with emphasis on the western world cultures. It is a study of significant achievements and events of peoples, and nations. Students will focus on important events and issues of world Wars; the economic problems and political unrest that changed societies after WWI. It will also focus on the aggression of tyrants in Europe and Asia that led to the WWII in 1939 and the use of Science and technology to win the war. It modifies the cold War conflict and its effect on the societies around the world. Also, the course identifies the historic origins of contemporary economic system and the development of economy in many Asian nations after WWII. Moreover, it highlights the geographical and political changes of African and Middle East Regions as a result of their conflict against imperialism. It ends with the rapid changes of the world today and the cooperation between countries to eliminate threats to global security, protect the environment, and

		advance science and technology.
	Computer	<p>In the first term project, students become event planners. They own a company that plans special occasions such as weddings, birthday parties, reunions, or proms. They create a database to help them organize client and event information. This database ensures that they could offer top quality service as no detail is forgotten.</p> <p>During the second term, students design advertisements using Microsoft Word. To start, they create a cover letter and resume to apply to the TechnoAd Agency. Once hired, they design a flyer, catalog, custom mailer, and newsletter for clients.</p>
	العربية اللغة	<p>كلنا ثقة وحرص على أن يفهم النشئ قواعد اللغة العربية ويتقن مهاراتها في الخط والإملاء والنحو ولا ننسى أن نجعل هذا النشئ أن يعتز بهذه اللغة ويغار عليها ويتذوق أساليبها فالقدرة في اللغة والتعبير خير عون على سلامة التفكير.</p>
	الإسلامية التربوية	<p>وتزويده والإنسان الكون إلى الطالب نظرة لتستقيم الطالب نفس في العقيدة دعم الى نهدف الأساسية بالمفاهيم</p> <p>وتحقيق الوفاء للوطن بما يوافق هذا السن مع إكسابهم فضيلة المطالعة النافعة والرغبة في الإزدياد من العلم النافع والعمل الصالح وإستغلال أوقات الفراغ على وجه مفيد تزدهر به شخصية الفرد وأحوال المجتمع من خلال تكوين الوعي الإيجابي الذي يواجه به الطالب لأفكار مضللة وهدامة.</p>
Grade 10	English	<p>This course covers literature of different time periods and countries and is organized by theme. The aims of this course are to develop the students' abilities to analyze what they read and to improve their reading, speaking, listening, viewing, and writing skills. This course covers a review and extension of grammar and literary terms from 9th grade. Students develop skills in vocabulary, punctuation, and correct usage. Composition projects cover the process of prewriting, writing, and rewriting. The literature read includes novels, short stories, poetry, plays and non-fiction.</p>
	Math	<p><u>Algebra 2</u></p> <p>Algebra 2 is the study of the complex number system, symbolic manipulation, and functions. Students discuss, represent, and solve increasingly sophisticated real-world problems using advanced algebraic and data analysis techniques incorporating technology. They also study the properties of functions, the algebra of functions, matrices, and systems of equations. Linear, quadratic, exponential, logarithmic, polynomial, and rational functions are studied with an emphasis on making connections to other disciplines</p>

		<p>and as preparation for a multitude of careers. Students apply advanced data analysis techniques to find, justify and use the best-fit model from all function models. Communication of the problem-solving skills used is an important part of this course.</p> <p><u>Trigonometry :</u></p> <p>Trigonometry is a field of mathematics in which the geometric properties of the angles and edges of triangles are used to measure lengths. Real-world problems involving trigonometry are common in engineering, physics, construction and design.</p> <p>This course is well suited for students who need sufficient mastery of trigonometry for use in fieldwork as well as those continuing on to engineering, kinesiology, surveying and physical sciences. Intermediate algebra skills are assumed.</p>
	Physics	<p>Physics is a subject studied for life, so if the students have a good knowledge about the physical concepts, they can improve a lot of their methods in their lives, accordingly they can develop their standards. For grade (10) students study 'Glencoe", this book enables the students to be aware of representing motion, accelerated motion, forces in one dimension, displacement and forces in two dimensions, projectiles, gravitation, rotational motion, work and energy, energy and its conservation, states of matter, pressure, and buoyancy.</p>
	Chemistry	<p>A continuation of the study of Intermediate Chemistry principles: electrolysis, introduction to Organic Chemistry, Physical chemistry :Acid/ bases and salts, Industrial chemistry (Glencoe).</p>
	Biology	<p>This course introduces students to plant life and the impact of plants on society including their use as a major food source, as medicine, and in the industrial and recreational world. As an introductory level botany course, topics also include structure, function, growth processes, reproduction, ecology, genetics, and resources derived from the plant world. The course also examines the impact of plant life on society.</p>
	Social Studies	<p>This course covers world history in the 20th century and the present time with emphasis on the western world cultures. It is a study of significant achievements and events of peoples, and nations. Students will focus on important</p>

		<p>events and issues of world Wars; the economic problems and political unrest that changed societies after WWI. It will also focus on the aggression of tyrants in Europe and Asia that led to the WWII in 1939 and the use of Science and technology to win the war. It modifies the cold War conflict and its effect on the societies around the world. Also, the course identifies the historic origins of contemporary economic system and the development of economy in many Asian nations after WWII. Moreover, it highlights the geographical and political changes of African and Middle East Regions as a result of their conflict against imperialism. It ends with the rapid changes of the world today and the cooperation between countries to eliminate threats to global security, protect the environment, and advance science and technology.</p>
	Computer	<p>In their first term projects, students become web designers, using HTML and CSS. To start, students are introduced to the history of the Internet and HTML language. Next, they manipulate source code to discover the function of common tags and CSS attributes. This knowledge is applied to construct a web page. Throughout the design process instructions explain how to style text, graphics, and hyperlinks to produce an informative web page. For those in need of an extra challenge, extension activities encourage students to create a list, apply a picture background, customize hyperlinks, employ CSS classes, insert animated text or images, and build tables. Upon completion, the files are uploaded to the Internet.</p> <p>During the second term, Dreamweaver allows the students to create a virtual website on the local system and then upload the same structure on web server. Virtual website facilitate managing the files used in creation of the website, for example image files, HTML files, flash files etc. This maintains the site structure and avoids missing link and images when browsed on the world wide web.</p>
	العربية اللغة	<p>كلنا ثقة وحرص على أن يفهم النشئ قواعد اللغة العربية ويتقن مهاراتها في الخط والإملاء والنحو ولا ننسى أن نجعل هذا النشئ أن يعتز بهذه اللغة ويغار عليها ويتذوق أساليبها فالقدرة في اللغة والتعبير خير عون على سلامة التفكير.</p>
	الإسلامية التربوية	<p>وتزويده والإنسان الكون إلى الطالب نظرة لتستقيم الطالب نفس في العقيدة دعم الى نهدف الأساسية بالمفاهيم وتحقيق الوفاء للوطن بما يوافق هذا السن مع إكسابهم فضيلة المطالعة النافعة والرغبة في</p>

		الإزدياد من العلم النافع والعمل الصالح وإستغلال أوقات الفراغ على وجه مفيد تزدهر به شخصية الفرد وأحوال المجتمع من خلال تكوين الوعي الإيجابي الذي يواجه به الطالب لأفكار مضللة وهدامة.
Grade 11	English	This course covers selected writers and major themes that constitute the culture and thinking of the American people. The final objective of the course is for the student to better understand the process by which American literature has matured during the nineteenth and twentieth centuries. In addition to reading textbook selections and two dramas, students engage in extensive essay writing.
	Math	<p><u>Trigonometry</u> Trigonometry is a field of mathematics in which the geometric properties of the angles and edges of triangles are used to measure lengths. Real-world problems involving trigonometry are common in engineering, physics, construction and design. This course is well suited for students who need sufficient mastery of trigonometry for use in fieldwork as well as those continuing on to engineering, kinesiology, surveying and physical sciences. Intermediate algebra skills are assumed.</p> <p><u>PreCalculus:</u> PreCalculus completes the formal study of the elementary functions begun in Algebra 1 and Algebra 2. Students focus on the use of technology, modeling, and problem solving involving data analysis, trigonometric and circular functions, their inverses, polar coordinates, complex numbers, conics, and quadratic relations. Discrete topics include the Principles of Mathematical Induction, the Binomial Theorem, Sequences and series. Students learn an application-based approach to the study of mathematical modeling.</p>
	Physics	Physics is a subject studied for life, so if the students have a good knowledge about the physical concepts, they can improve a lot of their methods in their lives, accordingly they can develop their standards. For grade (11) students study 'Glencoe", this book enables the students to be aware of thermal energy, vibrations and waves, sound, light, reflection and mirrors, refraction and lenses, interference and diffraction.
	Chemistry	An introduction to the Advanced Chemistry principles: Thermochemistry, Kinetics, Equilibrium, Acids / bases and

		<p>salts, Redox, States of matter, Gases, and experiential courses in chemistry cover topics mentioned above (Glencoe).</p>
	<p>Biology</p>	<p>This course is designed to provide students with an understanding of the function & regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Course content will include neural & hormonal homeostatic control mechanisms, as well as study of the musculoskeletal, circulatory, respiratory, digestive, urinary, immune, reproductive, and endocrine organ systems</p>
	<p>Social Studies</p>	<p>This course covers world history from 15th century to the 19th century with an emphasis on the western world cultures. It is a study of the increasing power of monarchs in Europe and the challenges they met by internal problems, rebellions, and wars. The course will also focus on the changes of ideas, governments, and societies brought by the scientific Revolution and influenced by the Enlightenment ideas, with an emphasis on the causes and effects of political major revolutions since the 17th century; and on the connections between major developments in science and technology and the growth of industrial economies. The 1800s reform, revolution and war that led to the independence of Latin America and changes in France, Great Britain and U.S.A make another part of this course. It ends with the Age of nationalism that sparked revolutions across Europe and the Age of Imperialism and its effect on the economy of the Industrial countries.</p>
	<p>Computer</p>	<p>In their first term project, students will learn how to think and draw the steps for any program; then they are going to create a program using Microsoft Visual Basic 6.0 in three phases: Designing the interface, setting the properties and writing the code.</p> <p>During their second term, students become information technology specialists who work for a company that manufactures and sells personal computers. The business has launched a new initiative that will have consumers choose components for their computer. It is called "Your Computer, Your Way!" To help the customer pick the right hardware component to suit their needs, students create an information package using Microsoft PowerPoint. The package explains the aspects to consider when selecting</p>

		devices using bulleted lists, tables, graphic organizers, clip art, picture files, video, and sound clips. The information package is transformed into a presentation, interactive tutorial, web page, and handout to educate the purchaser.
	العربية اللغة	كلنا ثقة وحرص على أن يفهم النشئ قواعد اللغة العربية ويتقن مهاراتها في الخط والإملاء والنحو ولا ننسى أن نجعل هذا النشئ أن يعنز بهذه اللغة ويغار عليها ويتذوق أساليبها فالقدرة في اللغة والتعبير خير عون على سلامة التفكير.
	الإسلامية التربوية	وتزويده والإنسان الكون إلى الطالب نظرة لتستقيم الطالب نفس في العقيدة دعم الى نهدف الأساسية بالمفاهيم وتحقيق الوفاء للوطن بما يوافق هذا السن مع إكسابهم فضيلة المطالعة النافعة والرغبة في الإزدياد من العلم النافع والعمل الصالح وإستغلال أوقات الفراغ على وجه مفيد تزدهر به شخصية الفرد وأحوال المجتمع من خلال تكوين الوعي الإيجابي الذي يواجه به الطالب لأفكار مضللة وهدامة.
Grade 12	English	The course includes a study of English Literature from the Anglo-Saxon Period to the present. An emphasis is placed on the study of classic literary models from which students can sharpen their critical standards and understanding of the writer's craft. A research paper and weekly vocabulary are also required.
	Math	<u>Calculus :</u> The introductory topics of this course include limits and continuity of functions, derivatives of functions, the definite integral, and their real-world applications. Students find derivatives numerically, represent derivatives graphically, and interpret the meaning of a derivative in applications. Previously studied functions will be analyzed using calculus concepts. The relationship between the derivative and the definite integral is developed as well. Students will model real-world situations involving rates of change using difference or differential equations.
	Physics	Physics is a subject studied for life, so if the students have a good knowledge about the physical concepts, they can improve a lot of their methods in their lives, accordingly they can develop their standards. For grade (12) students study 'Glencoe", this book enables the students to be aware of electric charges, electric fields, electric currents, electric potential, and potential difference, parallel and series circuits, magnetism, and electromagnetic induction.
	Chemistry	A continuation of the study of Advanced Chemistry principles: Thermochemistry, Kinetics, Equilibrium-Acids/bases and salts, Redox, Advanced Organic Chemistry and Experiential courses in chemistry cover topics mentioned above (Glencoe).

	Biology	<p>This course introduces a fascinating, controversial area of contemporary science. It presents principles and methods used in the study of genetics. Students learn about the transmission, distribution, arrangement, and alteration of genetic information. The emphasis throughout is on application of concepts to solve problems. The course enables an improved understanding of current genetics topics and their influence on modern life, and it provides a foundation for more advanced studies in human, animal, and plant biology and related fields.</p>
	Social Studies	<p>This course covers world history in the 20th century and the present time with emphasis on the western world cultures. It is a study of significant achievements and events of peoples, and nations. Students will focus on important events and issues of world Wars; the economic problems and political unrest that changed societies after WWI. It will also focus on the aggression of tyrants in Europe and Asia that led to the WWII in 1939 and the use of Science and technology to win the war. It modifies the cold War conflict and its effect on the societies around the world. Also, the course identifies the historic origins of contemporary economic system and the development of economy in many Asian nations after WWII. Moreover, it highlights the geographical and political changes of African and Middle East Regions as a result of their conflict against imperialism. It ends with the rapid changes of the world today and the cooperation between countries to eliminate threats to global security, protect the environment, and advance science and technology.</p>
	Computer	<p>In their first term project, students assume the role of directors. They aim to create eye-catching movie with lots of effects. To do this, they start using the easy modes of PowerDirector. Once they are familiar with the PowerDirector environment, they decide what their movie is about and start collecting images and video clips. Then, they start arranging their media. After that, they use the different tools available in the program to add effects and finish their movie.</p> <p>In their second term project, students create a school magazine. To start, students learn about Adobe InDesign</p>

		<p>CS5 environment and the different tools it contains. Once familiar with the program, students create new document, work with master pages and add sections. After that, they add text, text frames and shapes to their magazine .They start decorating their magazine and enhance it with pictures, frames and styles. Editing the magazine is so much interesting, since students will check the spelling mistakes, enlarge first letter of a paragraph, and other fun things. After changing the magazine into an interactive one, it is ready to be exported and printed.</p>
	العربية اللغة	<p>كلنا ثقة وحرص على أن يفهم النشئ قواعد اللغة العربية ويتقن مهاراتها في الخط والإملاء والنحو ولا ننسى أن نجعل هذا النشئ أن يعتز بهذه اللغة ويغار عليها ويتذوق أساليبها فالقدرة في اللغة والتعبير خير عون على سلامة التفكير.</p>
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