ABAQ AL ILM INTERNATIONAL SCHOOL

COURSE CATALOGUE

2023-2024

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SCHOOL MOTTO

BELIEVE, STRIVE, AND TRIUMPH!!!!

SCHOOL VISION

To provide each student with innovative and superior learning strategies that instill integrity, positive relationships and promote personal achievement in an ever-changing society.

SCHOOL MISSION

To establish and maintain a quality education system and continually improve its effectiveness on par with international standards, to help develop resourceful and resilient citizens without discrimination, in an environment that is safe and caring.

CURRICULUM

The curriculum at Abaq Al Ilm International School is planned using skills and experiences as the building blocks. The curriculum aims at what children will learn at each grade level with a balance in all academic areas. The priorities are developed continuously through consultations with staff and stakeholders.

Vision:

Literacy: Learn to be independent readers and writers with effective skills to comprehend and communicate.

Math: Learn the skills of mathematics in order to demonstrate flexible thinking, communication and problem-solving.

Science: Learn science content and conceptual understandings, be critical consumers of scientific information related to their everyday experiences, be inspired to question the world around them, and participate in innovative problem-solving.

Social Studies: Learn the vital skills of a society, to understand the complexity of the world, to understand of how humans interact with each other and with the environment over time and to comprehend the interdependencies that influence the present and shape the future.

Arabic: Learn the language with great emphasis on the Arabic grammar and to excel in reading, understanding, analyzing, translating, and interpreting the holy texts. The program develops from having zero experience in the language to a high novice level of understanding with mastery over reading and writing with foundational grammar topics to be able to communicate topics about oneself, family and daily life issues.

Islamic Studies: Learn to inculcate strong characteristics of a Muslim based on spiritual excellence and to equip the young with the skills and knowledge of the Qur'an and Hadith that will enable them to participate fully in the world and live a good life of religious values, such as mutual respect and caring.

Social-Emotional Learning (Wellbeing): Foster holistic development and resilience among students. Encompass to equip students with essential life skills such as mindfulness, emotional intelligence, character strengths, and relationship building. The program integrates practical exercises, discussions, and activities into the daily learning experience, fostering self-awareness and emotional regulation. By promoting mental health literacy and emphasizing the importance of overall well-being, the curriculum not only supports academic success but also nurtures individuals capable of navigating life's challenges with confidence and resilience.

Cross-Curricular Integration: Curriculum connections give student learning more meaning and allow the students to see the connections between individual subject areas. These connections makes the material more relevant and are used to plan instruction for a lesson or a unit or a theme leading to cross-curricular integration. For example, in elementary grades teachers find common topics to prepare to teach math and science jointly rather than separately. Or applying the math knowledge to the science concept that is represented by the art project, English paper or history project leading to the STEAM concept.

Standards: Curriculum aligned with the Cambridge Primary & Lower Secondary Curriculum Framework (KeyStage Standards).

KEY STAGES – CAMBRIDGE FRAMEWORK FOR PRIMARY & LOWER SECONDARY

	Key stage 1	Key stage 2	Key stage 3	Key stage 4
Age	5 – 7	7 – 11	11 – 14	14 – 16
Year groups	1 – 2	3 – 6	7 – 9	10 – 11
Core subjects				
English	✓	✓	✓	✓
Mathematics	✓	✓	✓	✓
Science	✓	✓	✓	✓
Foundation subjects				
Art and design	✓	✓	✓	
Citizenship			✓	✓
Computing	✓	✓	✓	✓
Design and technology	✓	✓	✓	
Languages[4]		✓	✓	
Geography	✓	✓	✓	
History	✓	✓	✓	
Music	✓	✓	✓	
Physical education	✓	✓	✓	✓

ACADEMIC PROGRAMS

We offer a variety of programs to help school students get a head start on the academic trail with a goal for success.

Kindergarten

Our Kindergarten is a 2-3 year program catering to ages 3-5-year-olds. The program helps children advance skills in core pre-academic areas such as literacy (English & Arabic), math, science and Islamic studies, as well as in other essential areas such as art, social and emotional well-being, and health and wellness. Our child-centered approach ensures that children are exposed to a diverse array of learning activities and that they thrive in all areas of child development, creative thinking, complex problem solving, empathetic collaboration, curious investigation, and astute decision making.

Grades 1-5

The focus in the Primary School is on the development of literacy and numeracy skills. It is offered to children six to ten years of age, divided in five grade levels, 1-5. Science and Social Studies are offered directly covering many aspects of scientific skills, culture including history and geography. Regular scheduled classes of Islamic Studies are held to assist the student in human development and spiritual growth. The students enhance their academic skills through Arts, Physical Education, Technology and use of media resources. In addition, the curriculum provides opportunities for students to reflect on values, to learn relationship skills and to engage in activities that promote self-awareness, self-esteem and personal growth. Student progress in academic skills is monitored such that a student can master skills before progressing to the next level.

Grades 1 through 3	Grades 4 & 5
• English Language • English Resource • Math • Math Resource • Integrated Science • Social Studies • Arabic Language • Islamic Studies • Qur'an • Information Technology • Physical Education • Wellbeing • Art & Craft	• English Language • English Resource • Math • Math Resource • Integrated Science • Social Studies • Arabic Language • Islamic Studies • Qur'an • Ijtimaiyat • Information Technology • Physical Education • Wellbeing • Art & Craft

Grades 6-8

The Lower Secondary School builds on the academic fundamentals of the elementary grades, ensuring a strong foundation for student achievement in IGCSE Cambridge International Examinations. Students must master a broad and thorough knowledge base in English Language (reading, writing, speaking, listening), Mathematics, Physics, Chemistry, Biology, History-Geography, and Business Studies for Grade 8. Students also participate in enhanced core curriculum programs, including the Arabic language, Islamic Studies, Information Technology, Arts and Physical Education. The school offers a supportive environment that encourages students to reach their potential in a broad range of academic and extracurricular pursuits by presenting an integrated course of study that focuses on key content areas. The atmosphere is structured and students are expected to take increasing responsibility for their academic progress. Offering review sessions before final exams is a regular feature of all classes.

Grades 6	Grade 7	Grade 8
• English Language • Math • Physics • Chemistry • Biology • Social Studies • Arabic Language • Islamic Studies • Qur'an • Information Technology • Ijtimaiyat • Physical Education • Wellbeing • Art & Craft	• English Language • Math • Physics • Chemistry • Biology • Social Studies • Arabic Language • Islamic Studies • Qur'an • Information Technology • Ijtimaiyat • Physical Education • Wellbeing	• English Language • Math • Physics • Chemistry • Biology • Business Studies • Arabic Language • Islamic Studies • Qur'an • Information & Communication Technology • Ijtimaiyat • Physical Education • Wellbeing

COURSES

Period = 45 minutes each; Maximum of 7 periods/day

Grade	English	Math	Science & Culture	English Reading	Arabic	Islamic Studies	Quran	Portfolio	Activity	Story Time	Circle Time	PE	Total
KG2	6	6	2	1	3	1	1	1	1	1	5	2	30

Grade	English	Math	Science	Social Studies	IT	English Reading	Arabic	Islamic Studies	Quran	Portfolio	Activity	Story Time	Circle Time	PE	Total
KG3-A	6	6	2	1	1	1	3	1	1	1	1	1	3	2	30
KG3-B	6	6	2	1	1	1	3	1	1	1	1	1	3	2	30

Grade	English	English Resource	Math	Math Resource	Science	Social Studies	Wellbeing	IT	Arabic	Islam	Qur'an	Ijt.	PE	Art	Total
1	8	1	6	1	4	2	1	2	6	3	2		2	1	39
2	8	1	6	1	4	2	1	2	6	3	2		2	1	39
3	8	1	6	1	4	2	1	2	6	3	2		2	1	39
4	8	1	6	1	4	3	1	2	4	3	2	2	1	1	39
5	8	1	6	1	4	3	1	2	4	3	2	2	1	1	39

Grade	English	Math	Physics	Chemistry	Biology	Social or Business Studies	Wellbeing	IT	Arabic	Islamic Studies	Qur'an	Ijt.	PE	Art	Club	Total
6	6	6	3	3	2	2	1	2	4	4	1	2	1	1	1	39
7	6	6	3	3	3	2	1	2	4	4	1	2	1		1	39
8	6	6	3	3	3	2	1	3	4	3	1	2	1		1	39

BELL SCHEDULE (Sample)

ABAQ AL ILM INTERNATIONAL SCHOOL

Under the supervision of the Ministry of Education
Established in Sept 2008
LICENSE NO - GIRLS SCHOOL 320 - 4702, BOYS SCHOOL 320 - 4704
British Curriculum
2023 - 2024

OUR VISION

To provide each student with innovative and superior learning strategies that instill integrity, positive relationships and promote personal achievement in an ever-changing society

OUR MISSION

To establish and maintain a quality education system and continually improve its effectiveness on par with international standards, to help develop resourceful and resilient citizens without discrimination, in an environment that is safe and caring.

BELL TIMINGS (Sunday - Wednesday)

KG	G1 - 3 Girls	G4 - 8 Girls
Morning Prayer: 07:15 - 07:30 AM	Morning Prayer: 07:15 - 07:30 AM	Morning Prayer: 07:15 - 07:30 AM
1st Period	1st Period	1st Period
07:30 AM - 08:15 AM	07:30 AM - 08:10 AM	07:30 AM - 08:10 AM
2nd Period	2nd Period	2nd Period
08:15 AM - 09:00 AM	08:10 AM - 08:50 AM	08:10 AM - 08:50 AM
Break	3rd Period	3rd Period
09:00 AM - 09:30 - AM	08:50 AM - 09:30 AM	08:50 AM - 09:30 AM
3rd Period	*Break*	4th Period
09:30 AM - 10:15 AM	09:30 AM - 10:00 AM	09:30 AM - 10:10 AM
4th Period	4th Period	*Break*
10:15 AM - 11:00 AM	10:00 AM - 10:40 AM	10:10 AM - 10:40 AM
Break	5th Period	5th Period
11:00 AM - 11:15 - AM	10:40 AM - 11:20 AM	10:40 AM - 11:20 AM
5th Period	6th Period	6th Period
11:15 AM - 12:00 PM	11:20 AM - 12:00 PM	11:20 AM - 12:00 PM
6th Period	7th Period	7th Period
12:00 PM - 12:40 PM	12:00 PM - 12:40 PM	12:00 PM - 12:40 PM
	8th Period	8th Period
	12:40 PM - 01:15 PM	12:40 PM - 01:30 PM

School Management

Subject to change

COURSE DESCRIPTION

THE ELEMENTARY SCHOOL (KINDERGARTEN)

English Language: Language activities are planned with a view toward fostering early literacy. Children are encouraged to learn sound/symbol relationships through early writing experiences using transitional spelling. The program encourages the development of listening, speaking, reading, writing and thinking skills.

- Speak clearly and audibly in complete sentences
- Respond appropriately to questions
- Use language to describe events and tell stories
- Use phonetic words appropriately
- Identifying sight words and using them in meaningful ways
- Understand and use an increasing number and variety of words
- Learn and use age-appropriate rules of standard English grammar [sentence mechanics, noun (proper & common), pronoun, adjective, preposition]
- Compare positions of objects or people (in, on, under, up, down, inside, outside, behind, in front, between, beside, etc.)
- Compare quantity of objects or people (singular-plural)
- Use increasingly complex sentences
- Learn and follow rules for listening, speaking, and discussing
- Enjoying reading high-quality books with support from a teacher
- Make sense of pictures, symbols, and other visual features
- Ask questions about visual presentations
- Draw conclusions based on information from visual media
- Express ideas from a text by drawing, dictating, or writing
- Create drawings, signs, or designs to represent an idea or word
- Write some uppercase and lowercase letters
- Use invented spelling to form words, phrases, or sentences

Mathematics: Math concepts focus on the development of number sense, mathematical operations, geometry & spatial relationships and measurement & data. Concrete materials are used to assist children in conceptualizing one-to-one correspondence, size, shape-quantity leading to pattern recognition, problem-solving, classification and numerical operations. Teachers create experiences for children to explore fundamental concepts such as:

- Identify numbers with illustrations and names
- Compare, order and sequence numerals
- Identify the position of objects using ordinal numbers
- Recognize repeating patterns (2s, 3s, 5s, 10s)
- Use illustrative, number line, horizontal and vertical methods for performing addition and subtraction of numbers
- Identify, relate and describe 2D & 3D shapes
- Sort and classify items based on their characteristics
- Create a picture or design using shapes
- Compare objects in measurements (by length, weight, or capacity, using such words as longer, shorter, bigger, smaller, heavier, lighter, taller, shorter, etc.)
- Put 3-10 objects in order by size
- Know that units are used to measure (cups, meters, minutes, feet, etc.)
- Measure the length with such units as toy blocks or similar objects safe for age range
- Estimate simple measurements
- Discuss units of time (seconds, minutes, hours, days, weeks, and years)
- Usage of pictographs, tally marks and data tables

Science: Science concepts done provide the child an exposure to discover and explore. Your child is encouraged to observe events, to categorize and classify objects according to their properties and perform hands-on activities. The curriculum includes:

- Show curiosity about the world
- Use senses and tools to observe, investigate, ask questions, solve problems, and draw conclusions
- Describe what he or she wants to learn from a science investigation

- Ask “Why?” “How?” and “What if?” questions
- Try to answer “How?” and “Why?” about science events
- Collect, describe, and record (write or draw) information
- Explain, predict, and generalize about an event or experience
- Explore living & non-living things
- Explore plants, animals (birds insects, mammals) and observe their homes, sounds, movements, and record observations
- Participating in long-term scientific experiments such as life cycle of a plant
- Explore kinds of food
- Explore light and shadows
- Explore different kinds of materials
- Observe, describe, and compare physical properties of objects (size, texture, shape, weight, color, freezing and melting, or sinking or floating)
- Using tools to explore concepts of common forces (pushing and pulling, wind, gravity, or magnetism)
- Explore and demonstrate hygienic habits (show ways to prevent spreading germs, recognize and follow simple practices for health and hygiene, washing hands, brushing teeth, using tissues, taking care of toilet need, etc.)
- Demonstrate safety rules (follow simple safety rules and emergency procedure, know how to get help in an emergency)

Social Studies: The Social Studies curriculum focuses on your child’s development and awareness of self as a member of a family and a community. Group interaction provides opportunities for your child to learn concepts relating to family, school, community and the world.

- Family & Culture (personal family and community, relate to a family, recognize similarities and differences in people and families, describe own community, cultural traditions of own family and community)
- My Country (location, flag, culture, dress, festivals, weather, major cities and landmarks)
- Mobility & Transport (land, water, air, space, traffic safety)
- Earth & Mapping (globe, continents & oceans, land & water forms, world map, relate on maps various features)
- Day & Night (sun, mon, shadow, sky)
- Seasons (weather, climate, hot-cold places, natural disasters)
- Citizenship (rules, environment care, jobs)
- Safety (happy, sad, feeling safe, prevention & precaution, fire, sharp objects, electric hazards, road, stranger, emergency procedures, first aid, school rules)

Arabic Language: In the elementary level the Arabic curriculum starts with our young children:

- To become confident and competent in learning Arabic.
- To learn the letter sounds through phonics games and start to build words.
- To fully engage with opportunities to listen to songs, stories and become aware of Arabic letters through play

Islamic Studies: Islamic Studies course is taught in Arabic and introduced to the fundamentals of Tawheed (monotheism) and memorization of basic chapters of Qur’an.

Information Technology: Computer Technology experiences enable the child to utilize a computer and incorporate it into their classroom learning. They will become familiar with many different computers, as well as, introduction to basic computer drawing skills.

Art: Art classes provide your child with opportunities to experiment with a variety of art materials at his/her own developmental level. Exposure to the artistic techniques begins in kindergarten. Through encouragement and the promotion of independence, the child grows naturally in creativity and self-expression.

- Explore a variety of art processes: painting, drawing, modelling, collage, etc.
- Use a variety of art materials (child- safe): crayons, tempera paint, watercolor paint, colored pencils, markers, oil pastels, art chalk, clay, play dough, etc.
- Experiment with mixing paint colors
- Sing traditional songs and songs that enhance the curriculum
- Participate in movement songs and dances
- Act out the movements and sounds of animals

- Represent fantasy and real-life experiences through pretend play
- Demonstrate understanding of color, shape, and line
- Use age-appropriate digital media applications to create works of art
- Participate in teacher-guided visual arts activities

Physical Development: Physical Education and Hands-on Art lessons are designed to help children develop both gross and fine motor skills. The students follow directions and develop an awareness of personal responsibility along with activities and cooperative games.

- Demonstrate the ability to walk in a straight line, up and down the stairs with alternating feet, jump, hop on one foot, etc.)
- Demonstrate the ability to throw, catch, bounce, and kick a lightweight ball
- Maintain balance while sitting, standing, and moving
- Climb onto/down from furniture without assistance
- Navigate age-appropriate playground equipment
- Demonstrate fine colouring and craft skills
- Reproduce the same shape and cuts out simple shapes and pastes them neatly
- Demonstrate fine motor skills (handles pencils, use of scissors, etc.)
- Demonstrate gross motor skills (runs, hops, skips, climbs, walk on lines, handles a ball, etc.
- Put on clothing items independently; use buttons, zippers, and snaps successfully
- Build structures with blocks
- Take part in large-motor movements, such as marching
- Participate regularly in physical activities

Social-Emotional Development: Social-emotional learning (SEL) helps kids work on things like coping with feelings and setting goals. It also helps with interpersonal skills like working in teams, resolving conflict and building self-esteem.

- Display impulse control and self-regulation
- Adjust to changes in surroundings
- Maintain attention & retention
- Participate positively in group setting
- Follow classroom routines and expectations
- Show affection and regard for people
- Negotiate conflict constructively
- Work collaboratively with others
- Understand the effect of one's behaviour on others
- Perform many routines and tasks independently
- Independently attempt new tasks
- Express own feelings, needs, and opinions appropriately
- Show empathy to peers
- Follow simple rules, routines, and directions
- Move from one task to another without delay or distress
- Handle change and adapt to new situations appropriately
- Ask for help when needed

Personality Development: Each child has a unique and well-rounded personality that helps him/her stand out in the crowd. Personality development is very crucial for students which is a set of characteristics that define and make a person stand out like: Responsible**,** Care of self and surroundings, Work independently**,** Share and take turns, etc.

THE PRIMARY SCHOOL (Grades 1-5)

ENGLISH: The English curriculum of primary is offered for 5 years focused to develop and improve the reading, writing, listening and speaking skills, with considerable emphasis on comprehension, grammar, vocabulary, speech, writing and presentation. In addition to reading short stories and poems included in textbook anthologies, students are also encouraged to read graded-level books for independent reading. The curriculum provides an inquiry-based approach to learning that helps develop the communication skills and thinking skills for student success.
Each course used Big Questions to tap into students' natural curiosity. It enables them to ask their own questions, find their own answers, and explore the world around them as each question is linked to a school subject – social studies, art, science or math. Audio-visual tools are used for topic introduction and students will answer supporting

questions that encourage them to think about the topic and the question more deeply. Authentic fiction and nonfiction texts offer different views on the topic. Summative projects will be done collaboratively by the students to present in a creative way what they have learnt. Strong communication skills will be built in students through listening, speaking, reading, and writing tasks throughout each unit. This approach to language learning and literacy, supported by a controlled grammar and skills syllabus, helps students achieve fluency in English.

Grade 1:

Course Contents (correlated big questions):

- How are animals different from one another? Life Science
- How do things change? Physical Science
- How are things different now from long ago? Social Studies History
- When do we use subtraction? Math
- Why do people get along with each other? Social Studies Community
- Why should we take care of the Earth? Earth Science
- How does music make us feel? Music
- What makes things move? Physical Science
- How do we make art? Art

Grade 2:

Course Contents (correlated big questions):

- How do people have fun? Social Studies Culture
- Why do people move to new places? Social Studies Geography
- Why do people write poems? Social Studies Culture
- Why do we measure time? Earth Science
- Where does energy come from? Physical Science
- How do people make music? Social Studies: Culture
- How do inventions change our lives? Physical Science
- Why do we need plants? Life Science
- Why do we explore? Social Studies: Geography

Grade 3:

Course Contents (correlated big questions):

- Where are we in the universe? Science: Astronomy
- How do we know what happened long ago? Social Studies: History
- Where does our food come from? Social Studies: Geography
- Why do we make art? Art
- What is a city? Social Studies: Society
- How do our bodies work? Life Science
- What is the mass media? Social Studies: Technology
- What can we learn from nature's power? Earth Science
- Why are biomes important? Earth Science

Grade 4:

Course Contents (correlated big questions):

- Why do we protect animals? Social Studies: History
- What are teeth for? Life Science
- Why are wheels important? Social Studies: History
- How do animals communicate? Life Science
- What do different cultures give to the world? Social Studies History
- Why are mountains important? Earth Science
- Why do we use money? Social Studies History
- How do we express ourselves? The Arts
- Why do we make buildings? Social Studies Technology

Grade 5:

Course Contents (correlated big questions):

- Why do we build bridges and tunnels? Social Studies Technology
- What is the Earth made of? Earth Science
- Why do we wear masks? Social Studies Society
- Why do we like symmetry? Science
- How do we use language? Social Studies: Culture

- Why do we record history? Social Studies: History
- What makes birds special? Life Science
- What are we afraid of? Life Science
- Why are stories important? Social Studies: Culture

MATHEMATICS: The Math curriculum for Primary levels is of 5 years that takes a problem-solving approach to teaching young learners the skills they need to become confident mathematicians with a greater focus on the use of pictorial and abstract representations to promote deeper learning. The principal focus of mathematics teaching in primary is to ensure that pupils develop confidence and mental fluency with whole numbers, counting and place value. This involves working with numerals, words and the four operations, including with practical resources [for example, concrete objects and measuring tools]. At this stage, pupils will develop their ability to recognize, describe, draw, compare and sort different shapes and use the related vocabulary. Teaching will also involve using a range of measures to describe and compare different quantities such as length, mass, capacity/volume, time and money. Knowing the number bonds to 20 and be precise in using and understanding place value. An emphasis on practice at this early stage will aid fluency. Students will read and spell mathematical vocabulary, at a level consistent with their increasing word reading and spelling knowledge at the primary level.

Grade 1:

Students will be able to solve with speed and accuracy addition and subtractions problems. They will demonstrate problem solving strategies in relation to addition and subtraction, place value to the 10s place, time, money, and measurement. They will be able to read and answer problems relating to graphs, tables, and fractions.

Course Content:

• Numbers & Counting • Exploring Numbers • Number Bonds (10, 20, 100) & Fact Families (20, 100) • Addition & Subtraction (2-digit) • Multiplication & Division (2s, 3s, 4s, 5s, 10s) • Fractions • Length, Mass & Capacity • Money • Time • Geometry- Properties of Shapes (2D & 3D) • Geometry- Position & Direction • Statistics (Pictograms, Block Diagrams, Carroll Diagrams, Venn Diagrams)

Grade 2:

The students will receive instruction in and demonstrate the ability to perform basic mathematical functions and problem solving in the areas of addition and subtraction of whole numbers, place value to the 100s place, money, time, geometry, numbers, measurement, fractions, multiplication and division concepts, graphing and patterns.

Course Content:

• Numbers & Place Value • Addition & Subtraction (2-digit & 3-digit) • Multiplication & Division • Fractions • Length, Mass & Capacity • Money • Time • Geometry- Properties of Shapes • Geometry- Position & Direction • Statistics (Bar Charts, Frequency Table, Pictograms, Carroll Diagrams, Venn Diagrams)

Grade 3:

The students will receive instruction in and demonstrate the ability to perform basic mathematical function and problem solving in the following areas: graphs, place value, adding and subtracting whole numbers, estimation, scale reading, multiplication, division, rounding off, scaling, fractions, measurement, decimals, geometry- working on areas-perimeters, symmetry and statistics.

Course Content:

• Numbers & Place Value (Negative Numbers, Roman Numbers) • Addition & Subtraction • Multiplication & Division (Inverse Operations) • Fractions & Decimals • Length, Mass & Capacity (Estimation, Scale Reading) • Area & Perimeter • Time • Geometry- Properties of Shapes (Nets, Symmetry) • Geometry- Position & Direction • Statistics

Grade 4:

The students will receive instruction in and demonstrate the ability to perform basic mathematical functions and problem-solving in the areas of addition, subtraction, multiplication, and division of whole numbers, decimals, fractions, percentages, geometry - angles & angle sums, reflections & translations, statistics & probability. The students will also develop the number sense for prime numbers, roman numbers, rounding, ratio-proportions and conversion between units.

Course Content:

• Numbers & Place Value • Addition & Subtraction (Mental Strategies) • Multiplication & Division (squares, cubes) • Fractions, Decimals & Percentages • Length, Mass, Capacity & Volume (Imperial Units) • Area & Perimeter • Time (Unit Conversions) • Geometry- Properties of Shapes (Regular & Irregular) • Geometry- Position & Direction • Statistics & Probability

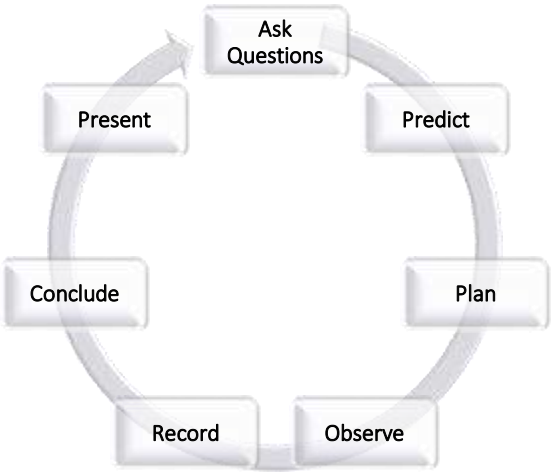
Grade 5:

The students will be instructed and given practice in extended mathematical operations and problem-solving strategies in the areas of addition, subtraction, multiplication, and division of whole numbers - decimal numbers-

negative numbers, operations on fractions, ratio and proportion, time zones & 24-clock, estimation & rounding, scaling & unit conversions and geometry- 2D, 3D shapes & circles. This course has an extremely important component of a student's understanding of mathematics. It bridges intermediate math skills with basic algebraic concepts through an integrated curriculum, building on prior math knowledge, including vocabulary, with enriched problems and activities. Students also learn basic algebraic skills needed to successfully complete Algebra.
Course Content:
• Numbers & Place Value (Negative Numbers) • Addition, Subtraction, Multiplication & Division (Mental Strategies, Estimation, 3- and 4- digit, Long/Short Division, Order of Operations, Arithmetic Laws) • Fractions, Decimals & Percentages (4 Operations of Decimal Numbers) • Ration & Proportion • Algebra (Number Sequence, Using Formula, Problems with 2 unknown variables) • Length, Mass, & Capacity (Unit Conversions, Scales, Imperial Units) • Area, Perimeter & Volume (Rectilinear Shapes) • Time (24-clock, Time Zones, Conversions between Units) • Geometry- Properties of Shapes 2D & 3D shapes, (Angles, Circles) • Geometry- Position & Direction (Plotting Coordinates, Translations & Reflections) • Statistics & Probability

SCIENCE: The Science curriculum for Primary levels is of 5 years that takes a problem-solving approach to teaching young learners the skills they need to think like scientists. The science courses are integrated with each course outlining the basics of science that use scientific enquiry to explore new concepts. Teachers help and guide the Students to take an enquiry-based approach to learning, engaging students in the topics through asking questions that make them thing and activities that encourage them to explore and practice.

The following steps for carrying out an investigation and work like a scientist will be developed through the 5-year curriculum design.



Grade 1:

The first graders will learn the following 5 big themes:

- Living & Growing: living needs, eating & drinking, healthy diet, exercise, good hygiene, families, growing, animal offspring
- Growing Plants: growing plants, plants from seeds and bulbs, fruits & vegetables, needs of a growing plant, light, water, temperature
- Habitats & Food Chains: living & non-living things, habitats, suitable places to live, food of animals from plants and other animals, simple food chains, damage to habitats, care of the environment
- Use of Materials: different properties of materials, use of materials based on different properties, changing shape of materials, heating, cooling, dissolving, natural & not natural, compare & sort materials into groups
- Day & Night: tracking the Sun and the Moon in the sky, movement of the Sun during day, spin of the Earth, day, night, change in the shape and position of the Moon, shadows

The students will be taught to be a good scientist by being curious and ask questions. The students will develop the scientific skills to work like a scientist by carefully observing, measuring and recording. Students will also learn to observe patterns in things and sort them out into groups. Basic scientific tools will be used in the process of scientific enquiry.

Grade 2:

The second graders will learn the following 5 big themes:

- Light & Dark: sources of light, mirror, darkness, shadows
- Looking at Rocks & Soil: rocks, types of rocks, fossils, building materials, uses of rocks, soil, types of soil

- Flowering Plants: parts of a flowering plant, healthy & unhealthy plants, water & light for plants, roots, stem, temperature, space of the plant to grow, life cycle of flowering plants, pollination, seeds
- Introducing Forces & Magnets: push, pull, measuring push & pull making shapes with forces, stop & start moving things, friction, change direction of moving things, magnets, poles, uses of magnets, magnetic materials, electromagnets
- Exploring Health, Skeletons & Muscles: life process, balanced diet, infectious diseases, water, exercise & health, the human skeleton, bones, muscles, medicines

The students will continue to develop the scientific skills to work like a scientist by carefully observing, measuring and recording. Students will also learn to record results into tables and charts apart from observing patterns in things and sorting them out into groups. The student will work out the results by drawing conclusions and answer their questions, Basic scientific tools will be used in the process of scientific enquiry.

Grade 3:

The third graders will learn the following 5 big themes:

- Solids, Liquids & Gases: particles, liquids, gases, heating, melting, freezing, the water cycle
- Habitats: investigate a local habitat, data collection & presentation, identification keys for animals & plants, fossil fuels, river pollution, tsunamis, volcanoes, earthquakes
- Digestion & Food Chains: breaking down food, absorbing nutrients, teeth, taste, food groups, unhealthy foods, food chains & webs, green plants & sunlight, energy transfer in living things, producers & consumers, predators & prey
- Electricity: electricity supply, making circuits, parts of a simple series circuit, electrical components, switches, current flow, conductors & insulators, dangers of electricity
- Sounds: making sounds, observing & measuring sounds, sound travel to our eras, sound travel, louder sounds

The students will learn extended skills needed for a scientific enquiry process like the comparative testing. The students will make decisions to choose the type of scientific investigations and which observations to carry out. It will require all skills put together to plan and carry out fair tests and to record and present the findings.

Grade 4:

The fourth graders will learn the following 5 big themes:

- Life Cycle & Growth of Flowering Plants: structure, reproduction, seeds, seed dispersion by wind, water, animals & explosions, pollinating flowers, insect pollinators, fertilization, life cycle, seed germination (water, light, warmth)
- Life Cycles & Growth of Animals and Humans: life processes, living & non-living, reproduction, life cycle of insects-amphibians-birds-mammals, human growth
- Properties & Changes of Materials: comparing & exploring the uses of materials, reversible & irreversible changes, cooking, heating burning, fire, separating mixtures of solids-insoluble solids, using separating techniques, investigating solids & solutions, energy changes & reactions
- Earth & Space: the solar system, the sun, day & night, the earth axis of spin, shadows move & change, sun rise & set, seasons, shape of the Earth-Sun-Moon
- Forces in Action: up-down, mass-weight, gravity-mass-weight, measuring mass 7 weight, forces, magnetism & floating, balances & unbalanced forces, energy transfers, friction, air resistance, simple machines, levers as force multipliers

The students will develop further their scientific skills and make more detailed predictions and observe patterns in results. Identify the variable type (independent/manipulative-dependent/response-control/constant) and analyze the results data for fair results or chance results to decide if the results were accurate and valid. Students will test own ideas and use scientific evidence and use models & diagrams to represent objects and systems.

Grade 5:

The fifth graders will learn the following 5 big themes:

- Classification & Habitats: classification systems, characteristics to classify animals-plants-microorganisms, using classification keys to classify, air pollution, damaging habitats, water pollution & waste disposal, recycle & reuse, protecting the environment
- Organs & Systems: our major organs, function of the major organs, lungs & breathing, the human circulatory system, the digestive system, adsorbing nutrients & water, the urinary system, the brain & the nervous system, infectious diseases & prevention, a healthy diet & life
- The Way We See Things: sight, brain tricks, journey of light, uses of reflection, ray diagrams, direction of light, opaque, transparent, translucent, shadows, investigating shadows, light intensity

- Building Electrical Circuits: conductor, metals & plastics in circuits, changing circuits, circuit breakers, circuit diagrams, types of circuits, measuring voltage,
- Adaptation & Inherited Characteristics: fossil record, changes over time, offspring inherit characteristics, variation in living things, adaptation, survival

The students will further develop their scientific skills and make detailed prediction and observe patterns in their results. Students will also learn to identify accurate and valid results, test their own ideas and use scientific evidence, perform practical research activities to investigate and report on science topics.

SOCIAL STUDIES: The Social Studies curriculum for Primary levels is of 5 years which provides an engaging introduction to the key areas of Middle East Social Studies and pays particular attention to the cultural requirements of the region. It covers citizenship, history, cultural studies, and geography and personal-social-health education. Learning experiences focusing on primary social studies provide children with opportunities to:

- Develop an interest and curiosity in the world
- Develop dispositions of responsible citizenship
- Value and respect similarities and differences among people
- Value, respect, and appreciate the variety of cultural identities and heritages in America and the world
- Respect and care for the environment

Social studies concepts are learned through a variety of projects and playful activities involving independent research; discussions; the relevant use of language; and opportunities to develop social skills such as planning, sharing, taking turns, and working in groups. The classroom is treated as a laboratory of social relations where children explore values and learn rules of social living and respect for individual differences through experience. Relevant activities and materials are incorporated to enhance student learning.

Many of the skills and processes of social studies are also integral components of other curricular areas. They are outlined here to show the degree of overlap and integration of processes and skills in the total primary program. For example:

- Problem-solving and decision-making are important thinking processes.
- Understanding time and chronology as components of the measurement strand in mathematics.
- Locating, acquiring, and organizing information through reading, listening, viewing, and communicating, both orally and in writing, are all components of language development.
- Citizenship skills, an integral component of the goals of social and emotional development and the development of responsibility, are also emphasized in the Responsible Living curriculum. Learning experiences which focus on primary social studies provide children with opportunities to:
- Participate in problem-solving activities related to social studies content
- Participate in decision-making activities related to social studies content
- Interpret maps and globes

Locate, organize, acquire, and evaluate information related to social studies content.

WELLBEING: The Wellbeing course aims to equip the students with tools and knowledge necessary to lead a balanced and fulfilling lives.

Topics include:

- Taking care of the body: I eat, I move, I sleep; I look after my body; I know my body; Healthy body, healthy mind; Nourishing my body
- Taking care of the mind: I notice how I feel; A calm mind is a happy mind; Stepping outside my comfort zone; Mindful me; Training my mind
- Taking care of relationships: My friends and family; Positive people; Spreading our moods; Spreading kindness; Thinking of others
- Taking care of the self and the world: My special places and things; All about teamwork; Connecting to nature; Character strengths; Flow and strength

INFORMATION TECHNOLOGY: The Keyboard Windows 10 and MS Office 2016 course is 7 level series which follows a well-balanced approach towards theory and practice. The content coverage incorporates the latest developments in information technology, keeping in mind the constantly evolving nature of the subject and its wide-ranging potential. The students will engage with technology, and understand the science behind the digital world. Comic strips, cartoon characters, and illustrations make the learning interaction an enjoyable process.

Grade 1:

Course Contents:

- A Computer & Its Uses
- Keyboard & Rapid Typing
- The Magic Book

- Computer Mouse
- Notepad & WordPad

Grade 2:

Course Contents:

- A Smart Machine
- Parts of a Computer
- Keyboard
- Paint
- Uses of Computers
- Word

Grade 3:

Course Contents:

- Operating Systems
- Paint
- K-Turtle (Commands, Writing and Math)
- Word 2013 (Editing & Formatting Text)
- Tux Paint

Grade 4:

Course Contents:

- Word 2016
- Table in World 2016
- PowerPoint 2016
- Internet
- Scratch

Grade 5:

Course Contents:

- Characteristics and Evolution of Computers
- Data Devices
- Word 2013 (Objects & Advanced Features)
- K-Turtle Loops & Learns!
- Making Presentation Interesting
- Excel 2013
- Internet

ART: Art develops artistic skills and understanding through a variety of projects based on the elements and principles of design. This hands-on class explores concepts, materials, and processes to a variety of art forms: drawing, painting, sketching and designing. Color theory, composition and the elements and principles of art will be applied. The AIIS School arts program is designed to help students explore their inner and outer worlds using the visual arts as a means of expression. Students are introduced to new media and new ways of visualizing. Projects include spatial designs, masks, color mixing, abstract painting, collage making, creating landscapes, pattern design and drawing as a way of learning.

PHYSICAL EDUCATION: Physical Education in the elementary grades first introduce students to a variety of skills and activities designed to increase their understanding of their bodies and the need to maintain a healthy lifestyle. Physical fitness, basic movement skills, individual and team activities are included. The application of team-building practices provides students with experiences that foster communication, decision-making, goal-setting, and leadership skills. Students are prepared to control body movement and to perform physical skills.

ARABIC LANGUAGE: The course is designed is to engage the students to continue building a proper linguistic basis, a linguistic dictionary, and provide an integrated curriculum with well-prepared content of grammar and vocabulary. The learners work with letter sounds through phonics games and start to build words with a continuing focus on speaking and listening, reading and writing using linguistic technology, games and role-play. During the academic year themed activities are held on Saudi Arabia National Day and Arabic Language Day.

ISLAMIC STUDIES: The content of this course is presented in a spiral approach, whereby students revisit each area of study and examine it in greater depth each year. A series of Islamic textbooks are used to help students develop in the fields of Islamic Doctrine (Aqeedah); morals (Akhlaq); Islamic Law (Fiqh); Qur'anic Studies and Islamic History. It is a well-designed curriculum to teach and transmit a common set of beliefs, values and norms: values based upon the Qur'an and teachings of Prophet Muhammad PBUH (Sunnah). The Quran course helps the students to memorize basic chapters of the Holy Quran with understanding. The material also aims to help students

develop spiritually and morally, develop a basic understanding of these essential Islamic topics and appreciate Islamic academics as much as they realize the need to incorporate Islamic values and ideology in their other subjects.

IJTIMAIYAAT: This course is introduced at Grade 4 which covers History, Geography and Culture of Saudi Arabia and the Middle East in the Arabic Language.

THE LOWER SECONDARY SCHOOL (Grades 6-8)

English: The Cambridge Checkpoint three-year courses are offered in Grades 6 to 8 which include activities to develop Reading and Writing skills, with integrated Speaking and Listening tasks. Each course contains 12 themed units with a full range of stimulus materials, including a balance of fiction and non-fiction from around the world. It helps to improve the student's reading and writing skills, with considerable emphasis on comprehension, grammar, vocabulary, speech, writing and presentation. In addition to reading short stories and poems included in textbook anthologies, students are also required to read selected novels and prepare detailed book reports. For Cambridge Secondary 1 English, the curriculum promotes an inquiry-based approach to learning to develop thinking skills and encourage intellectual engagement.

The curriculum is presented in five content areas or 'strands'. These are further divided into 'sub-strands'. The five strands and sub-strands are:

- Phonics, Spelling and Vocabulary
- Grammar and Punctuation
- Reading (Fiction, Non-Fiction and Poetry): • Develop broad reading skills. • Demonstrate understanding of explicit meaning in texts. • Demonstrate understanding of implicit meaning in texts. • Explain, comment on and analyze the way writers use stylistic and other features of language and structure in texts. • Recognize conventions and evaluate viewpoint, purpose, themes and ideas in texts.
- Writing (Fiction, Non-Fiction and Poetry): • Develop broad writing skills. • Select and develop content and use register and language appropriate to genre, purpose and audience. • Structure and organize ideas coherently using sections or paragraphs. • Use a range of sentence structure and punctuation accurately to convey meaning and create particular effects. • Use accurate spelling.
- Speaking and listening: Students learn how to speak for a variety of purposes, such as to explain, describe, narrate and analyze. They will use a range of vocabulary and practice speaking fluently and clearly

The curriculum encourages learners to be confident, creative and intellectually engaged, capable of applying their skills to respond to a range of information, media and text with enjoyment and understanding. Learners who follow this framework will develop a first language competency in English based on a curriculum designed to be successful in any culture and to promote cross-cultural understanding.

Grade 6:

The focus in Grade 6 is on 'narration and reflection'. The curriculum is presented in fiction and non-fiction content areas, and the skills are divided into

- Language (phonics, spelling and vocabulary, grammar and punctuation)
- Reading
- Writing
- Speaking and Listening.

Course Themes: The topic of this book is 'My World'

- House & Home
- Tall Tales
- Favourite Things
- School Stories
- Up in the Air
- Imaginary Worlds
- Down to Earth
- Hidden Treasure
- Meet the Family
- Mysteries & Puzzles
- Looking Back
- Secret Lives

Grade 7:

The focus in Grade 7 is on 'description and information', and the study of accounts and short stories. The curriculum is presented in fiction and non-fiction content areas, and the skills are divided into

- Language (phonics, spelling and vocabulary, grammar and punctuation)
- Reading
- Writing
- Speaking and Listening.

Course Themes: The topic of this book is 'Wider World'

- Fire
- Games & Sports
- Water
- The Feast
- Other Lives
- The Race
- Time & History
- Exotic Places
- Travel & Transport
- Animal Behaviour
- Music & Dance
- A Load of Nonsense

Grade 8:

The focus in Grade 8 is on 'argument and discussion', and the study of persuasive and informative texts. The curriculum is presented in fiction and non-fiction content areas, and the skills are divided into

- Language (phonics, spelling and vocabulary, grammar and punctuation)
- Reading
- Writing
- Speaking and Listening.

Course Themes: The topic of this book is 'A World View'

- Art, Design & Fashion
- Modern Living
- Language & Communication
- Division & Conflict
- Facing the Future
- Making Choices
- Education Matters
- Caring & Sharing
- Crime & Law
- All in a Day's Work
- Seeing Things Differently

Mathematics: The lower secondary level Math curriculum focusses on building the skills for preparing for the Cambridge Math IGCSE. It is used in grades 6 & 7 with a careful balance between the content areas in the framework: number, algebra, geometry, measure and data handling. The curriculum also provides a structure for the application of mathematical skills by thinking and working methods through open questions, exercises and investigations. It also provides a rationale for inclusion of topics in a real-world setting. Added higher-order-thinking-skill questions provide stretch and challenge for average and high achieving students.

Learners develop a holistic understanding of the subject, focusing on principles, patterns, systems, functions and relationships. They will become mathematically competent and fluent in computation, which they can apply to everyday situations. 'Thinking and working mathematically', a unique feature of our curriculum, encourages learners to talk with others, challenge ideas and to provide evidence that validates conjectures and solutions. When learners are thinking and working mathematically, they actively seek to make sense of ideas and build connections between different facts, procedures and concepts. This supports higher order thinking that helps them to view the world in a mathematical way.

We have divided this subject into three main areas called 'strands', which run through every lower secondary mathematics stage. Learners will develop skills in:

- Number
- Algebra, Geometry and Measure
- Statistics and Probability.

The strands work together to help students recognize connections of mathematical concepts as they engage in creative mathematical thinking to generate and improve numerical fluency.

Grade 6:

Course Contents:

- Integers, Power & Roots
- Expressions
- Shapes & Mathematical Drawing
- Sampling
- Area & Volume
- Fractions
- Equations, Formulae & Inequalities
- Geometry
- Decimals & Percentages
- Presenting Data & Interpreting Results
- Ratio & Proportion
- Sequences, Functions & Graphs
- Symmetry & Transformations
- Probability
- Rate of Change
- Sets & Venn Diagrams

Grade 7:

Course Contents:

- Integers, Power & Roots
- Expressions
- Shapes & Mathematical Drawing
- Sampling
- Area, Perimeter & Volume
- Fractions & Decimals
- Equations, Formulae & Inequalities
- Geometry
- Decimals, Percentages & Fractions
- Presenting Data & Interpreting Results
- Sequences
- Ratio & Proportion
- Transformations
- Functions & Graphs
- Probability
- Vectors

Grade 8:

The course directly matches the latest Cambridge IGCSE Mathematics syllabus. The stretching, skills-focused approach progressively strengthens student ability, enabling confident exam performance. Worked examples and plenty of practice exercises develop thorough understanding of key concepts.

- Comprehensive coverage of the course for Cambridge Math IGCSE
- Develop advanced skills – extensive graduated practice extends performance
- Progress to the next stage – the rigorous approach eases the transition
- Engage students with plenty of international examples.

Course Contents:

- Number
- Algebra 1
- Mensuration
- Geometry
- Algebra 2
- Trigonometry
- Graphs (Analysis)
- Vector (Basics)

Science: Grade 6 & Grade 7:

The Cambridge Lower Secondary Science Curriculum outline Cambridge Lower Secondary offers a curriculum that schools can shape around how they want their students to learn. It develops learners who are confident, responsible, reflective, innovative and engaged.

The lower secondary level Science curriculum focusses on building the skills for preparing for the Cambridge Science IGCSE. . It is used in grades 6 & 7 with an integrated approach teaching all biology, physics and chemistry, outlining the basics of science.

This curriculum covers six main areas that work together:

- Biology – living things and how they interact.
- Chemistry – the study of matter.
- Physics – the interaction of matter and energy.
- Earth and Space – planet Earth, the wider Solar System and beyond.

Students will think scientifically and develop practical skills alongside knowledge and understanding to develop understanding and skills of scientific models and representations, scientific enquiry and practical work, which is vital for explaining the world around us. This approach provides them with the knowledge and skills they require to excel at science in Cambridge IGCSE and to make informed choices, including considering sustainability issues and meeting the challenges facing our environment. The Cambridge Lower Secondary Science curriculum is divided into 'strands'. Each strand is further divided into 'sub-strands':

- Scientific enquiry • Ideas and evidence. • Plan investigative work. • Obtain and present evidence. • Consider evidence and approach.
- Biology • Plants. • Humans as organisms. • Cells and organisms. • Living things in their environment. • Variation and classification.
- Chemistry • States of matter. • Material properties. • Material changes. • The Earth.
- Physics • Forces and motion. • Energy. • The Earth and beyond. • Sound. • Light. • Magnetism. • Electricity.

Grade 8:

The Cambridge Science IGCSE curriculum is introduced at this level with an integrated approach teaching basic concepts of biology, physics and chemistry, building a head start for the Cambridge IGCSE preparation. The learners will develop skills to understand the technological world in which they live and take an informed interest in science and scientific developments.

- The chemistry syllabus includes the basic principles and concepts that are fundamental to the subject, some current applications of chemistry, and a strong emphasis on practical skills. The students will study matter and their forms, elements and the Periodic Table, introduction to matter and composition, atomic structure, the periodic table, chemical bonding, chemical formulas and equations, chemical bonding-chemical reactions, acid-base properties-reactions, states of matter, gases, acids-alkalis, solutions and thermo-chemistry and electro-chemistry.
- The physics curriculum stresses the fundamentals of physics and the basic concepts of experiments and laboratory techniques. The students will participate in laboratory investigations, discussions, and observation of demonstrations. In addition, students may do projects to deepen their understanding. Technology will be used for research, analysis and to access information. The syllabus includes the basic principles and concepts that are fundamental to the subject, some current applications of physics, and a strong emphasis on practical skills. Detailed study of measurements, mechanics in linear motion, Newton's laws of motion and universal law of gravitation, work, energy and power; sound-light and electromagnetism will be covered.
- The biology syllabus includes the basic principles and concepts that are fundamental to the subject, some current applications of biology, and a strong emphasis on practical skills. The students will study about living things around us and also about the human body systems. This course involves the study of cell processes, diversity of living things, microorganisms, plant systems, human body and diseases.

Social Studies: The lower secondary Social Studies is a two level course covering the main areas of Social Studies, encouraging students to think about, explore, and discuss the world around them. It follows a structured syllabus developed specifically for the Middle East and incorporates history, geography, citizenship, cultural studies, and economics. It features real-life examples from around the world and caters for different learning styles with a wide range of activities

Grade 6:

Course Contents:

- Identity & Culture
- History & Heritage – Early Civilizations
- People & Places – Early Civilizations
- Citizenship

Economics

Grade 7:

Course Contents:

- Identity & Culture
- History & Heritage – Middle East
- People & Places – Middle East
- Citizenship
- Economics

Business Studies: Grade 8: The Cambridge Business Studies IGCSE curriculum is introduced at this level building a head start for the Cambridge IGCSE preparation.

This course builds theory beyond the classroom by exploring real-world international businesses through case studies.

- Encourage understanding with engaging case studies and clear and lively text gradually building content knowledge
- Develop application and evaluation skills with engaging activities and examination-style questions throughout
- Deepen understanding through systematic progress and a spiral structure revisiting material in a structured way
- Navigate confidently with subject outlines clearly defined at the start of each chapter and syllabus-matching section headings
- Enabling reflection and suggested further practice
- Reinforce learning

Course Contents:

- Understanding Business Activity
  - Business activity
  - Classification of businesses
  - Enterprise business growth and size
  - Types of business organizations
  - Business objective stakeholder
- People in Business
  - Motivating employees
  - Organization and management
  - Recruitment, selection and training of workers
  - Internal and external communications
- Marketing (Tentative)

WELLBEING: The Wellbeing course aims to equip the students with tools and knowledge necessary to lead a balanced, promoting a positive impact on both their and individual wellbeing and the community they engage with. It also emphasizes the interconnection of physical health, mental wellbeing, and positive relationships. Student will engage in variety of activities and learning experiences tailored to their age groups, encouraging the cultivation of healthy habits and emotional intelligence.

Topics include:

- Taking care of the body: Knowing my body; Thinking positively; Strengthening the body
- Taking care of the mind: Being flexible; Listening to my body; Thinking traps
- Taking care of relationships: Repairing relationships; Getting along online; Strengthening relationships
- Taking care of the self and the world: Going for goals; Pleasure and purpose; Doing good

Information Technology: The lower secondary Information Technology curriculum is a two-year course with a series of modules which assess candidates on their ability to use a range of computer software to communicate, handle information, model and program solutions. Learners will develop key ICT skills in a range of applications including computer programming, word processing, digital graphics, databases, spreadsheets, email, presentations, video/animation, the internet and web authoring. They will also consider wider issues such as e-Safety and the adaption of their work to suit their audience.

Keyboard Windows 10 and MS Office 2016 curriculum is deigned make learning computer science a lively, interesting, and interactive experience.

Grade 6:

Course Contents:

- Computer Systems
- Formatting Data in Excel 2016
- Advanced Features of Excel 2016
- Paint 3D

- Basics of Small Basic
- Connect & Communicate
- Introduction to Adobe Animate CC
- Drawing Tools to Animate CC
- Creating Animation in Animate CC

Grade 7:

Course Contents:

- Formulas in Excel 2016
- Creating Charts in Excel 2016
- Computer Languages and the Number System
- Smartphones, Tablets and Apps
- More Tools in Animate CC
- Advanced Animation in Animate CC
- Introduction to HTML5
- Basic HTML5 Commands
- MS Small Basic Looping Statements

Grade 8:

The Cambridge ICT IGCSE curriculum is introduced at this level building a head start for the Cambridge IGCSE preparation. This course help students to develop an understanding of the implications of technology in society and the ways Information and Communication Technology (ICT) can help at home, work and the wider world. Through practical and theoretical studies, students solve problems using a variety of common software such as word processors and interactive presentation software. Learners will analyze, design, implement, test and evaluate ICT systems, making sure that they are fit for purpose. There is an emphasis on developing lifelong skills, which are essential across the curriculum and their future career.

Course Contents:

- Types & Components of Computer Systems
- Input & Output Devices
- Storage Devices & Media
- Networks and the Effects of Using Them
- The Effects of IT
- Document Production
- Presentations
- Safety & Security
- Databases

Art: Art develops artistic skills and understanding through a variety of projects based on the elements and principles of design. This hands-on class explores concepts, materials, and processes to a variety of art forms: drawing, painting, sketching and designing. Color theory, composition and the elements and principles of art will be applied. The AIIS School arts program is designed to help students of grade 6 & 7 explore their inner and outer worlds using the visual arts as a means of expression. Students are introduced to new media and new ways of visualizing. Projects include spatial designs, masks, color mixing, abstract painting, collage making, creating landscapes, pattern design and drawing as a way of learning.

Physical Education: The purpose of this course is to provide a foundation of knowledge, skills, and values necessary for the development of a physically active lifestyle. The course content provides exposure to a variety of movement opportunities and experiences which includes fitness activities and team sports. The application of team-building practices provides students with experiences that foster communication, decision-making, goal-setting, and leadership skills.

Arabic Language: The course is designed for the first or second language speakers of Arabic with attention on speaking, listening, reading and writing though various learning strategies. Focus on linguistics with an integrated curriculum with a well-prepared content of grammar and vocabulary is seen. During the academic year themed activities are held on Saudi Arabia National Day and Arabic Language Day.

Qur'an & Islamic Studies: The content of these courses is presented in a spiral approach, whereby students revisit each area of study and examine it in greater depth each year. A series of Islamic textbooks are used to help students develop in the fields of Islamic Doctrine (Aqeedah); morals (Akhlaq); Islamic Law (Fiqh); Qur'anic Studies and Islamic History. It is a well-designed curriculum to teach and transmit a common set of beliefs, values and norms: values based upon the Qur'an and teachings of Prophet Muhammad PBUH (Sunnah). The Quran course helps the students to memorize basic chapters of the Holy Quran with understanding, identify the correct articulations of the

different sounds through the study of the Glorious Qur'an, and enable the students to evade making mistakes when reciting the Glorious Qur'an by employing the rules of the Arabic language. The material also aims to help students develop spiritually and morally, develop a basic understanding of these essential Islamic topics and appreciate Islamic academics as much as they realize the need to incorporate Islamic values and ideology in their other subjects.

Ijtimaiyaat: This course covers learning History and Geography connected with Saudi Arabia with a unique context in the Arabic Language.

OTHER PROGRAMS

School Activities:

Co-Curricular Programs: AIIS teachers provide an outstanding array of in-school activities, held within the classroom as well as inter-class events.

Extra-Curricular Programs: Every student of AIIS is placed in a house which is led by Student Cabinet members and a House Advisor. To build a healthy spirit of competition & team spirit amongst students, debates, assembly events, quizzes and sporting events are organized all year round. Each of the student cabinet member's exposure and experiences help them learn leadership skills through planning, organizing, creating a team, presenting, and etc. Our school cabinet meetings are held to study, analyze and plan the daily assembly activities. We also value students initiating connections by taking on leadership roles. We know that students put a lot of value on what their peers say and do, so by allowing students to serve as positive leaders, we are strengthening peer-to-peer relationships.

School Clubs: The school has extended the school day to motivate students to engage in extracurricular activities, specifically emphasizing applied academic pursuits like science and literary clubs. These clubs, overseen by teachers, encourage students to take part in a range of activities aimed at fostering academic, social, physical, and emotional skills. By offering students opportunities to explore hobbies, skills, and interests they might not typically explore, these clubs play a vital role in nurturing the diverse talents of learners across various aspects. AIIS has clubs that cover areas from STEAM, language, arts, and sports. These clubs instill skills such as teamwork, leadership and effective time management

Special Workshops: At AIIS, special workshops are regularly organized to provide students with a unique and diverse learning experience. These workshops cover a range of crucial topics aimed at enhancing students' understanding and practical knowledge. The Health and Hygiene workshop focuses on promoting wellness by educating students about personal hygiene, healthy habits, and the significance of a balanced lifestyle. Another essential workshop is Safety, which imparts valuable knowledge on fire safety, first aid, and general precautionary measures to ensure a secure environment. Moreover, the Illusionist workshop, intricately intertwined with scientific principles, captivates students by unveiling the secrets behind various illusions, revealing the underlying scientific concepts. These workshops not only engage and entertain the students but also provide a unique perspective that encourages critical thinking and a deeper understanding of the scientific principles underlying seemingly inexplicable phenomena. Overall, these specialized workshops are designed to expand students' horizons, fostering a well-rounded education that goes beyond traditional classroom learning.

Special Assemblies: Special events and ceremonies are organized to show appreciation and recognize the dedication and hard work demonstrated by our school community. We frequently conduct school-wide assemblies to honor students for their exceptional efforts and commitment in various scenarios, emphasizing the importance of consistently giving their best.

Academic Counseling Programs:

Kindergarten: English Phonic workshops are helpful for the parents of Kindergarten to help understand the phonetic system of the English language. This helps the parent to understand the phonic and sight words while working with their child at home.

Transition Programs: These programs target the incoming Grades 1, 5 and 8 students. The aim is to make the curriculum transition smoother and also assist and guide the parents on how to work with their kids at home through the transitional times. The 8th-grade students benefit from personalized mentoring in the 8th grade for high school search process with help in identifying their interests and needs.

Academic Assistance:

English and Math Resource Program: The Pull-out & Push-in instruction is provided by the resource teacher for the grades 1 through 5 for English language and Mathematics. The teacher comes into the general classroom to support students in need during content-

area lessons by having a mini-lesson next to her/his students while the classroom teacher is teaching, or he or she may wait until instruction is completed and then work with them in a small group in the classroom. This maybe done for newcomers or as remedial instruction.
Remedial Instruction: This is assigned to students who need additional time and instruction on concepts in their assigned Math or English class. Support for the assigned class is provided on an as-needed basis.

Student Counseling Programs: The School counselors promote positive student behaviours to create a safe, effective learning environment for all students. They help create effective change focused on positive, healthy behaviours. They promote appropriate student behavior by preventing disruptions to improve student achievement and development.