



# High School Program of Studies

## 2023-2024 School Year



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## **Al Ittihad National Private School – Abu Dhabi (Khalifa City)**

### **High School Program of Studies**

Dear High School Students and Parents,

Welcome to Al Ittihad National Private School – Abu Dhabi (INPS-AD). This 2023-2024 High School Program of Studies was designed for students and parents to develop understanding of the courses offered at the INPS-AD in grades 9 through 12. We encourage students to use this as a guide towards understanding the overall INPS-AD High School program.

#### **Vision**

“A generation of heritage guardians and global thinkers”

#### **Mission**

We at “INPS-AD” are committed to the intellectual and personal development of our students by providing programs that inspire and empower them to become active national and global citizens.

#### **Curriculum**

The INPS-AD offers American-based curriculum that is aligned to the Common Core standards (California State Standards) for English, Mathematics, Physical Education and Art. The INPS-AD uses the New Generation Science Standards (NGSS) as the basis for curriculum design in science. The Design and Innovation (D& I) curriculum is based on the International Society for Technology in Education (ISTE) standards.

The curriculum at Al Ittihad National Private School comprises a required program of studies that prepare students for college entrance. Electives are designed to allow students the flexibility to

nurture their abilities and interests. The school academic year consists of two semesters, approximately 16 weeks in each. Graduation requirements are based on the number of successful units of Credit earned in grade 9 through grade 12. As students move into Grades 9-12, the INPS-AD offers them courses that will help them streamline their academic choices to support their university course of study and career options.

## Grade Level Placement

The following terms are used for each class:

Grade 9	Freshman
Grade 10	Sophomore
Grade 11	Junior
Grade 12	Senior

## Credit Hours

Credits are the units by which academic progress is measured. A minimum of Twenty- Eight Credits is required for graduation from INPS- AD. Credit will be given only for courses taken while students are enrolled at ninth through twelfth grade. Below is the comparison between the Credit hour in INPS-AD and California State Credit hours. Accordingly, the following Credits have been created by the school.

1 Credit: a minimum of 200 instructional minutes per week /year  
 0.5 Credit: a minimum of 200 instructional minutes per week /semester

Subjects	INPS-AD Credits	California State Credits	Comments
Islamic	2	--	Mandatory for Muslim students. <i>These Credits replace a combination of Credits from the elective courses</i>
Arabic	4	--	Mandatory for Arab Nationals. <i>These Credits replace a combination of Credits from the world language components.</i>
English	4	4	
World Language	-	2	<i>These Credits replaced by Arabic Language</i>

	-		
Mathematics	4	3	
Science	4	3	
Social Science	3	2	
Physical Education	2	2	
Creative Art	1	1	
Moral Education & ASST	0	--	
Elective Courses	4	5	
Total # of Credits	2 8	22	

The difference between INPS-AD & California State Credits

## Course Change

The schedule is created after students' choices and interests. Accordingly, courses change is highly discouraged after course selections. One week change period is applicable to any new classes after starting the academic year. Student-initiated requests for course changes take place within the first week of the scheduled course. Attendance in the students' original class is required until the change has been confirmed by the school administration. Consultation with the student must occur before allowing the student to change their schedule. Students are responsible to finish and complete any work missed in their new course.

The teacher may recommend that a student be changed to another course if the student does not meet the minimum course expectations.

Below the steps that need to be followed when requesting a course change after the initial one-week period:

1. Student obtains petition form from counselor for the course change.
2. Parents, current teacher, or receiving teacher recommends the change.
3. Counselor makes a recommendation.
4. A final decision will be made by the Guidance Committee, taking all recommendations into account.

**The Guidance Committee consists of the (Director, Deputy Director, Academic Advisor, High School**

## Graduation Requirements

School Graduation & Equivalency Requirements for Graduates of the academic year 2023-2024 and onwards:

- Students must finish 12 years of schooling (Grades 1-12).
- Students must successfully pass Grades 9, 10, 11 and 12.
- The minimum passing grade for each subject is 60%.
- Students must achieve a minimum overall average of 60% in Grade 12.
- Students must complete the Credit hours required.
- Students must pass the (EmSAT Achieve/IELTS/SAT) tests in Grade 12 pursuant to the relevant laws and regulatory decrees.
- Community Service/ Internship a minimum of 30 hours
- Please be informed that the UAE Ministry of Education has recently made final updates concerning the graduation requirements for the academic year 2022-2023. Consequently, Decree 883 has been specifically cancelled for students graduating in this academic year, and Decree 199 will now be in effect. However, as for the upcoming academic year 2023-2024, we have not yet received any updates on whether Decree 883, Decree 199, or a new decree will be implemented. We will promptly inform you of any new decisions or updates.

Please find below the mandatory subjects

Subjects	Credits	Comments
Islamic	2	<i>Mandatory for Muslim students</i>
Arabic	4	<i>Mandatory for all students</i>
MOE Social Studies	0	<i>Mandatory for all students</i>
English	4	<i>Physics should be included</i>
Mathematics	4	<i>Physics should be included</i>
Science	4	<i>Physics should be included</i>
Social Science	3	<i>Physics should be included</i>
Physical Education	2	<i>Physics should be included</i>
Moral Education	0	<i>Mandatory for all students</i>
Visual Arts	1	<i>Physics should be included</i>
Elective Courses	4	

## Pre-requisites

Prerequisites are required for some courses. Prerequisites are listed in course descriptions, and students should be aware of them when making course selections. Students are required to read

the description of each course selected to avoid changing courses.

## Grade Convention

Percentage Grade	Letter Grade	GPA	Percentage Grade	Letter Grade	GPA
97-100	A+	4	73-76	C	2
93-96	A	4	70-72	C-	1.7
90-92	A-	3.7	67-69	D+	1.3
87-89	B+	3.3	65-66	D	1
83-86	B	3	Below 65	D-	1
80-82	B-	2.7	Below 60	E/F	0
77-79	C+	2.3			

A+ = High Honor    A= Honor

## Advanced Placement (AP) Courses

INPS- Khalifa City offers the Advanced Placement (AP) Program sponsored by the College Board in the United States. The following AP courses are offered.

- Calculus AB
- Biology
- Chemistry
- Economics
- AP Physics
  - AP Physics C – Mechanics
  - AP Physics C – Electricity and Mechanism

## Standardized and International Exams

All high school students (those studying in grades 9, 10, 11 and 12) **must** take recognized standardized/Aptitude tests as appropriate to their needs and grade level. Choices must also be linked to university and national equivalency requirements.

Below is a list of all the tests associated with the US curriculum expectation (not all are compulsory)

Acronym	Description	Grade Level	Note
SAT	Scholastic Assessment Test	11/12	Compulsory for students studying abroad

Advance Placement (AP)	Calculus, Physics, Chemistry, Biology, Economics	11/12	Compulsory for Advance and Elite tracks
IELTS (Academic)	International English Language Testing System	11/12	Compulsory for students studying abroad
EmSAT- MOE	English, Math, Physics & Arabic	12	Compulsory
	Chemistry, Biology & ICT	12	Required by some Universities

### Scholarship Requirements by the UAE Government

- UAE National
- An average of 85% or more in grades 10, 11 and a minimum of 90% in grade 12 Term one and final.
- New Creative Majors scholarship by ADEK: an average of 85% or more in grade 12 only and IELTS 6.
- IELTS minimum score of 6 – 7.5.
- EmSAT minimum score for Mathematics 1000 - 1100 and SAT 650.
- EmSAT minimum score for English 1500 – 1600.
- EmSAT minimum score for Physics 1000.



## Four Year Plan 2023-2024

Subjects	Grade 9				Subjects	Grade 10				Subjects	Grade 11				Subjects	Grade 12			
	Credits	Covered in	Sem 1	Sem 2		Credits	Covered in	Sem 1	Sem 2		Credits	Covered in	Sem 1	Sem 2		Credits	Covered in	Sem 1	Sem 2
Islamic	0.5	Year	2	2	Islamic	0.5	Year	2	2	Islamic	0.5	Year	2	2	Islamic	0.5	Year	2	2
Arabic	1	Year	4	4	Arabic	1	Year	4	4	Arabic	1	Year	4	4	Arabic	1	Year	4	4
English	1	Year	5	5	English	1	Year	5	5	English	1	Year	5	5	English	1	Year	5	5
Geometry	1	Year	6	6	Algebra 2	1	Year	6	6	Pre-Calculus	1	Year	6	6	Calculus / AP Calculus	1	Year	6	6
Biology	1	Year	5	5	Chemistry	1	Year	5	5	Physics I / AP Physics C - Mechanics	1	Year	5	5	Physics II / AP Physics C - Electricity and Magnetism	1	Year	5	5
MOE Soc. St./ Moral Ed	0.5*	Year	2	2	Modern History	1	Year	4	4	Moral Ed./Advising	0	Year	1	1	Moral Ed. / Advising	0	Year	1	1
PE	0.5	Year	2	2	P.E.	0.5	Year	2	2	Economics I	1	Year	4	4	Economics II / AP Economics	1	Year	4	4
ART - Visual Art**	1	Year	3	3	Moral Ed./Advising	0	Year	1	1	P.E.	0.5	Year	2	2	PE	0.5	Year	2	2
Elective S1	1	Semester	4	4	Elective S1	1	Year/Semester	4	4	Elective S1	1	Year/Semester	4	4	Elective S1	1	Year/Semester	4	4
Game Design	0.5*				Advanced Biology / Fundamentals of Physics	0.5*				Advanced Chemistry	0.5*				AP Chemistry / AP Biology	0.5*			
English Writer's Lab	0.5*				Business I Theater, Cinema and film production Environmental Science 1	0.5*				Accounting I Artificial Intelligence Human Geography Health and Nutrition 1 Creative writing	0.5*				Journalism 1 Marketing I Engineering Design Art History	0.5*			
Public Speaking	0.5*				Business II Media/Film Production Environmental Science 2	0.5*				Accounting II Computer Sc. Principles Health and Nutrition 2 Studio Art & Design	0.5*				Journalism 2 Marketing II Ancient History	0.5*			
App Development	0.5*																		
<b>Total</b>	<b>7</b>		<b>33</b>	<b>33</b>	<b>Total</b>	<b>7</b>		<b>33</b>	<b>33</b>	<b>Total</b>	<b>7</b>		<b>33</b>	<b>33</b>	<b>Total</b>	<b>7</b>		<b>33</b>	<b>33</b>

\*\* Limited enrollment

## Courses Description

### *English Department*

Title: English 9

Length & Credit: 1 year / 1 Credit

Grade: 9

Prerequisite: None

English 9 broadens the students' literary experiences by introducing them to several classics and establishes a foundation for the advanced study of various genres (focusing more on critical reading and on strategies that can enhance deeper understanding). All skills will be incorporated and integrated in a way to ensure deep learning and empower students with the necessary skills to do well in external standardized tests.

Units will include short stories, poetry, fiction, plays, and non-fiction as well texts of different genres.

In addition to reading and analyzing texts, the course emphasizes the development of writing, research, speaking, listening, viewing, grammar, and vocabulary skills. Independent reading is required in addition to the regular course work.

Students are given ample opportunities to develop their communication skills through an emphasis on discussion and debate and encouraging some competitions that can enhance creativity such as poetry café, public speaking day.

Title: English 10

Length & Credit: 1 year / 1 Credit

Grade: 10

Prerequisite: Completion of English 9

This course is intended to expose students to a variety of literature genres within the realm of American Literature. The integration of all the skills will enable students to widen their scope of knowledge, analysis, evaluation, and creation. Reading skills are enhanced through model texts

that focus on cognitive development and focus on the skills required to get familiarized with the components of Standardized tests (SAT, IELTS EmSAT). In addition to reading and analyzing texts, the course emphasizes the development of extended reading, writing, research, and communication.

**Title: English 11**

**Length & Credit: 1 year / 1 Credit**

**Grade: 11**

**Prerequisite: Completion of English 10**

As students enter a pivotal year for EmSAT/IELTS testing, this course focuses on the study of American literature revolving around current topics relevant to social, cultural, and political forces both regionally and globally. Topics of study may include education, political movements, ideological and cultural conflicts, and humans' relationship with nature. The texts will include a wide range of fiction and nonfiction in a variety of genres and media. In addition to the development of critical reading and analysis of texts, the course emphasizes writing, research, speaking, listening, viewing, and developing grammar and vocabulary. There is also a major focus placed on the use of literary and rhetorical strategies in both writing and speaking. As students will have to prepare for the EmSAT/IELTS, the course will focus on certain reading skills such as: identifying the main idea, simple factual details, finding the meaning of an unfamiliar word, inference (understanding what is implied), and sequencing (understanding the order of events) and cloze reading strategies.

- Conducting thorough research on a given topic
- Giving and receiving feedback on writing samples
- Writing clear narrative experiences (both fiction and non-fiction)
- Developing claims and counterclaims based on the audience

Our curriculum incorporates American literature from all genres. Students will demonstrate the ability to draw conclusions, compare texts, and identify key literary features that make each text unique.

**Title: English 12**

**Length & Credit: 1 year / 1 Credit**

**Grade: 12**

**Prerequisite: Completion of English 11**

This course sheds light on to the study of literature from the standpoint of the development of the English language. Students will study fiction and non-fiction texts and media from a wide range of

eras, genres, and global regions to acquire an understanding of language as a purposeful, communicative medium. There is a major focus on the use of literary and rhetorical strategies in both written and spoken expression. In addition to the critical reading and analysis of texts, the course emphasizes writing, speaking, researching, listening, viewing, and developing grammar and vocabulary in an integrated and contextualized setting where students are given the chance to get ready for standardized tests.

**Title: [Writer's Lab](#)**

**Length & Credit: 1 Semester / 0.5 Credit**

**Grade: 9**

**Prerequisite: Open to all students. Compulsory for students with a low percentile score on the English MAP tests.**

Writer's Lab is an elective course that focuses on improving students' writing skills. Students will have the opportunity to explore different styles of writing to identify the key traits of effective writing. Students will practice writing for a variety of purposes and audiences to develop a strong authentic voice. Writing activities give students practice in organizing and developing narrative, cause and effect, and compare and contrast compositions, literary reviews and research papers. Term 1 consists of introducing students to the basics of essay writing and working on genres to implement these skills. Term 2 is focused on writing a research paper along with the skills needed to gather information and cite sources. Mastery of the writing process is expected. Any student may select to take this course. However, Students with a 25% percentile score or lower on the English MAP tests will be compulsorily registered in this course. Students with a score of 25%-30% may be compulsorily registered in this course, depending on the recommendations from their current English teacher.

Throughout the course, students will receive feedback on their writing from both their peers and the instructor. They will also have the opportunity to participate in writing workshops where they can their work and receive constructive criticism.

By the end of the course, students should have a solid foundation in creative writing and the skills necessary to continue developing their craft. They will have a portfolio of work that showcases their writing abilities and demonstrates their growth throughout the course

**Title: [Public Speaking](#)**

**Length & Credit: 1 semester /0.5 Credit**

**Grade: 9**

**Prerequisite: None**

This course on Public Speaking is designed to help the students develop and improve their communication skills for various situations such as speeches, presentations, and interviews. Students will learn how to effectively organize their ideas and deliver them in a clear and concise manner.

The course will cover topics such as the basics of Public Speaking, understanding your audience, creating and structuring speech, utilizing visual aids, and managing stage fright. Additionally, students will learn about persuasive techniques and how to use them to influence their audience. Throughout the course, they will have ample opportunities to practice their public speaking skills through in-class presentations and constructive feedback from both peers and the teacher. By the end of the course, students should feel more confident and prepared to speak in public settings

**Title:** Creative Writing

**Length & Credit:** 1 year / 0.5 Credit

**Grade:** 11

**Prerequisite:** An 80% and above average in English and a recommendation from the English teacher

Creative Writing is designed to help students in (1) their creative written expression and (2) finding their own voice and style of writing. To work on these two skills, students will first read and analyze a variety of texts and genres; then, they will create their own writing pieces while establishing their own personal voice and style. Genres to be explored through both reading and writing include poetry, fiction, drama, non-fiction, essay, biography, screenplay, and letters. A lot of emphasis will be on reading and reflecting as well as on writing. Peer review, collaboration, and deep engagement in the writing process are key components of the course.

**Title:** Journalism 1

**Length & Credit:** 1 semester / 0.5 Credit

**Grade:** 12

**Prerequisite:** A 80% and above average in English and /or completion of creative writing

This course equips students with the knowledge of the principles of Journalism. It also enables them to put these principles into practice through writing articles, editorials, magazine headlines and columns, and stories.

This course allows students to put news or stories into different narrative forms; therefore, students should exhibit strong writing, editing, researching, and organizational skills to enroll in this course. Students will also have to work on different designs and layouts to present their work. Journalism 1 equips the students with the theoretical part related to journalism.

**Title:** Journalism 2

**Length & Credit:** 1 semester / 0.5 Credit

**Grade:** 12

**Prerequisite:** completion of Journalism 1

If one wants to turn his/her writing, photography, and collaborative skills into an exciting and rewarding career, Journalism 2: Investigating the Truth is where to begin.

Students will Learn how to write a lead that grabs the readers, discover the roles of sources and how to interview them effectively, and explore the best options for researching a story in a digital world.

Students will also understand the role editors and producers play in the revision process, learn how to prepare posts for publication, and how to follow the publication process - from the flow of a workday to the layout of a newspaper or a news broadcast.

### *Math Department*

#### **Title: Math 9 (Geometry)**

Length & Credit: 1 year / 1 Credit

Grade: 9

Prerequisite: None

The fundamental purpose of the geometry course is to formalize and extend students' geometric experiences from the middle grades. This course includes standards from the conceptual categories of Geometry and Statistics and Probability.

#### **Title: Math 10 (Algebra II)**

Length & Credit: 1 year / 1 Credit

Grade: 10

Prerequisite: Completion of Math 9

In the Algebra II course students extend their skills about functions to include logarithmic, polynomial, rational and radical functions. This course includes standards from the conceptual categories of Number and Quantity, Algebra, Functions, Geometry, and Statistics and probability.

#### **Title: Math 11 (Pre-Calculus)**

Length & Credit: 1 year / 1 Credit

Grade: 11

Prerequisite: Completion of Math 10.

Pre-calculus course is designed to cover topics in Algebra ranging from polynomial, rational, and exponential functions to conic sections. Trigonometry concepts such as Law of Sines and Cosines will be introduced. Students will then begin analytic geometry and calculus concepts such as limits, derivatives, and integrals. This course promotes in-depth understanding of concepts and mathematical thinking necessary for AP Calculus.

Title: [Math 12 - General \(Calculus\)](#)

Length & Credit: 1 year / 1 Credit

Grade: 12

Prerequisite: Completion of Math 11 General.

Calculus is presented with the same level of depth as an entry-level college and university calculus course. It includes limits, differentiation, and integration. In this course students integrate and apply the mathematics they have learned from their earlier courses.

Title: [Math 12 Advanced - AP Calculus \(AB\)](#)

Length & Credit: 1 year / 1 Credit

Grade: 12

Prerequisite: Completion of Math 11 Advanced (Pre- AP calculus) and recommendations from the current Math teacher. **Students who choose Advanced Math must choose Advanced Physics too.**

AP Calculus AB is structured around three big ideas: limits, derivatives, and integrals and the Fundamental Theorem of Calculus. In this course the concept of limits is foundational; the understanding of this fundamental tool leads to the development of more advanced tools and concepts that prepare students to grasp the Fundamental Theorem of Calculus, a central idea of AP Calculus.

## *Science Department*

**Title:** Pre- AP Biology

**Length & Credit:** 1 year / 1 Credit

**Grade:** 9

**Prerequisite:** None

Pre-AP Biology sparks student motivation and critical thinking about our living world as they engage in real-world data analysis and problem solving. The Pre-AP Biology course emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. Having this ability is one of the hallmarks of scientific literacy and is critical for numerous college and career endeavors in science and the social sciences. The Pre-AP science areas of focus are science practices that students develop and leverage as they engage with content. These areas of focus are vertically aligned to the science practices embedded in other science courses in high school, including AP, and in college, giving students multiple opportunities to strengthen and deepen their work with these skills throughout their educational career. They also support and align to the Next Generation Science Standards (NGSS) and AP science practices of theory building and refinement.

Pre-AP Biology Areas of Focus:

- **Emphasis on analytical reading and writing:** Students engage in analytical reading and writing to gain, retain, and apply scientific knowledge and to carry out scientific argumentation.
- **Strategic use of mathematics:** Students use mathematics strategically to understand and express the quantitative aspects of biology, to record and interpret experimental data, and to solve problems as they arise.
- **Attention to modeling:** Students go beyond labeling diagrams to creating, revising, and using models to explain key patterns, interactions, and relationships in biological systems.

The four big ideas that are central to deep and productive understanding in Pre-AP Biology are:



- The process of evolution drives the diversity and unity of life.
- Growth and reproduction in biological systems are dependent upon the cycling of matter and the transformation of energy.
- Biological systems, occurring at various scales, respond and adapt to stimuli to maintain dynamic homeostasis.
- Genetic mechanisms are essential to maintaining biological systems.

**Title: Pre-AP Chemistry**

**Length & Credit: 1 year / 1 Credit**

**Grade: 10**

**Prerequisite: None**

This course focuses on students developing a deep conceptual understanding of matter and energy at the molecular level by asking students to explain their macroscopic observations using particulate-level reasoning. It emphasizes the integration of content with science practices—powerful reasoning tools that support students in analyzing the natural world around them. The course areas of focus are science practices that students develop and leverage as they engage with content. These areas of focus are vertically aligned to the science practices embedded in other science courses in high school, giving students multiple opportunities to strengthen and deepen their work with these skills throughout their educational career. They also support and align to the Next Generation Science Standards (NGSS) and AP science practices of theory building and refinement.

The big ideas that are addressed across units:

- **Structure and Properties:** All matter is composed of particles that are in constant motion and interact with one another. This movement and interaction are responsible for the observable properties of matter. Observed properties can be used to infer the number and type(s) of particle(s) in a sample of matter.
- **Energy:** Energy is transferred in all physical and chemical processes. During these processes, energy is either redistributed within the system or between systems.
- **Transformations:** At its heart, chemistry is about rearrangements of matter. These rearrangements, or transformations, involve the breaking and forming of intermolecular forces or chemical bonds. Macroscopic observations can be used to quantify and describe these rearrangements at the atomic scale.

**Title: Advanced Biology**

**Length & Credit: 1 year / 1 Credit**

Grade: 10

Prerequisite: An average of 85% in Biology 9 and a recommendation from the teacher

In this course students will investigate the structure and function of the human body. Topics covered will include the basic organization of the body, the major body systems along with the impact of diseases on certain systems. Students will engage in many topics and competencies related to truly understanding the structure and function of the human body. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: chemistry of life, cell structure and function cellular energetics, cell communication and cell cycle, and Heredity.

Demonstrations, lab activities, videos and dissections will be used to supplement classroom lecture and discussion. This course is designed for those students who have taken biology and who wish to further their study of biology.

Title: AP Physics C – Mechanics

Length & Credit: 1 year / 1 Credit

Grade: 11

Prerequisite: This course requires an average of 85% and above in Math 10 and a recommendation from the Science and Math teachers.

The course content is organized into seven commonly taught units, which have been arranged in the following suggested, logical sequence: Kinematics, Newton's Laws of Motion, Work, Energy, and Power, Systems of Particles and Linear Momentum, Rotation, Oscillations and Gravitation. In addition, the following big ideas serve as the foundation of the course, enabling students to create meaningful connections among concepts and develop deeper conceptual understanding:

- Change: Interactions produce changes in motion.
- Force Interactions: Forces characterize interactions between objects or systems.
- Fields: Fields predict and describe interactions.
- Conservation: Conservation laws constrain interactions.

Students engage by inquiry using the Science Practices to build, deepen, and apply their knowledge of core ideas and crosscutting concepts. Students will be challenged to apply their knowledge of the laws of physics to solve physics related critical thinking problems. Significant instructional time will be devoted to hands-on work and investigations leading to project-based assessments. Students who want to pursue an engineering stream in university must take Advanced Physics.

Title: Fundamentals of Physics

Length & Credit: 1 year / 1 Credit

Grade: 10

Prerequisite: This course requires an average of 85% and above in Math 9 and a recommendation from the Science and Math teachers.

This course introduces students to the study of Kinematics, Dynamics, Momentum, Energy, Fluids, Thermodynamics, Geometry, and optical physics. Students who will take Physics in grade

10 will be prepared for the Advanced physics that will enable them to do AP Mechanics in Grade 11 and AP Electricity and Magnetism in Grade 12.

**Skills covered:** Interpreting and describing representations and models.

- Using mathematics to solve science problems.
- Formulating a scientific question or hypothesis
- Designing an experiment to answer a scientific question or to test a hypothesis.
- Analyzing data and evaluating evidence
- Working with scientific explanations and theories
- Making predictions

**Title:** Physics (I)

**Length & Credit:** 1 year / 1 Credit

**Grade:** 11

**Prerequisite:** None

This foundational physics course will introduce students to basic concepts in measurement, motion, Newton's laws of motion, momentum, energy, work, and power. Students should be able to demonstrate an understanding of the physical environment and be able to apply the scientific principles to observations experienced.

Students will explore these topics using the Next Generation Science Standards which include Cross-cutting Science Concepts, Science and Engineering Practices as well as Physics Content Standards. Students engage by inquiry using the Science Practices to build, deepen, and apply their knowledge of core ideas and crosscutting concepts. Significant instructional time will be devoted to hands-on work and investigations leading to project-based assessments.

**Title:** Advanced Chemistry

**Length & Credit:** 1 year / 1 Credit

**Grade:** 11

**Prerequisite:** An average of 85% or above in Chemistry 10 and a recommendation from the teacher

The purpose of this course is to introduce students to chemical equations and reactions including describing, balancing, classifying, and writing net ionic equations. The important components of the course include using technology, designing projects, making research, mastering presentations, solving critical thinking questions, and performing laboratory experiments. In this course students are exposed to five major branches of chemistry which are stoichiometry, thermodynamics, Gases and the kinetic molecular Theory, solutions and their colligative properties, and organic chemistry. Students will explore these topics using the Next Generation Science Standards which include Cross-cutting Science Concepts, Science and Engineering Practices as well as chemistry Content Standards. This course is suited for students interested in a two-year commitment to a chemistry course in preparation for any science-related major.

**Title:** Health and Nutrition 1

**Length & Credit:** 1 semester / 0.5 Credit

Grade: 11

Prerequisite: None

This science course is designed to help students develop a strong foundation in health and nutrition literacy. The course focuses on providing students with differentiated content that informs, guides, and encourages them to practice behaviors that enhance their well-being and safety.

One of the key features of this course is an emphasis on social and emotional learning. Students will learn how to distinguish between facts and myths regarding nutrition practices, products, and physical performance. They will develop critical thinking skills and be able to evaluate the reliability of nutrition-related information they come across.

Students will also gain a thorough understanding of the importance of nutrition and how it impacts their overall health. They will learn about dietary guidelines, food groups, nutrients, and serving sizes for healthy eating habits. Additionally, students will analyze the relationship between poor eating habits and chronic diseases such as heart disease, obesity, cancer, diabetes, hypertension, and osteoporosis. They will also identify the causes, symptoms, and harmful effects of eating disorders.

The course will also cover the benefits of physical activity and how it impacts overall health. Students will learn how to plan their own physical activity program in collaboration with the physical education department. They will also understand the relationship between physical activity, nutrition, and the digestive system.

**Title: Health and Nutrition 2**

Length & Credit: 1 semester / 0.5 Credit

Grade: 11

Prerequisite: None

This science course is a comprehensive resource for students, providing them with the necessary knowledge and skills to make informed decisions related to their health and well-being.

By addressing physical, mental, and community health issues, students will be better equipped to take care of themselves and support others in their community.

Students will develop their health skills and learn how to make responsible decisions related to their personal and community health. They will be provided with engaging content that relates to real-life situations, making it informative and practical.

The course will address mental disorders, emotional understanding, managing stress, dealing with anxiety and depression, and other personal and community health issues. In addition to this, the course will also cover first aid and ways to reduce the risk of injuries during activities. Students will learn about emergency care procedures and lifesaving techniques, including CPR, burns, insect stings, snake bites, and control of bleeding. They will be able to identify emergency situations and respond appropriately to them.

To further develop their skills and knowledge, students will conduct several awareness campaigns in school, addressing various health issues, including the health risks of tobacco. By engaging in

these activities, students will develop a deeper understanding of health issues and learn how to promote healthy behaviors within their community.

Title: Environmental Science 1

Length & Credit: 1 semester / 0.5 Credit

Grade: 10

Prerequisite: None

The Environmental Science course will prepare students with the knowledge and ability to apply scientific reasoning to applications in real life. The course focuses on the environmental dilemmas we face in our world today.

The course presents the intricacies of ecological concepts in a human-dominated world, including energy flow and the cycling of matter through ecosystems, and the various ways that species interact and divide resources. This allows students to appreciate the variety of terrestrial and aquatic ecosystems, and to develop a richer understanding of the implications of human population change for the environment.

The course's emphasis on natural resources and the cycling of matter will also enable students to develop a comprehensive understanding of how human activities impact the environment.

Title: Environmental Science 1

Length & Credit: 1 semester / 0.5 Credit

Grade: 10

Prerequisite: Completion of Environmental Science 1

Given the urgency of global environmental threats such as climate change, energy consumption, land use, and food scarcity, it is vital that students develop the skills and knowledge to create solutions to these pressing issues.

By fostering scientific reasoning skills and providing opportunities for practical application, students will perform practical and virtual laboratory investigations to develop the hands-on experience necessary to tackle complex environmental challenges.

The course deals with the world's resources as we use them today and as we assess their availability and impacts for the future. These issues cover a broad spectrum, including the sources and effects of air pollution, climate and global atmospheric change, freshwater resources, causes and effects of water pollution, the ocean and fisheries, mineral and soil resources, land resources, agriculture and food resources, biological resources, solid and hazardous waste, and nonrenewable and renewable energy resources.

Title: Calculus Based Physics (II)

Length & Credit: 1 year / 1 Credit

Grade: 12

Prerequisite: Completion of Physics I

Students will develop an understanding of physics principles and the ability to reason about physical phenomena using important science process skills such as explaining causal relationships, applying, and justifying the use of mathematical routines, and analyzing data. Problem solving, communication and reasoning skills, active participation, and critical thinking are emphasized in this course. Topics included are: Thermal Physics, Waves, Optics, Electric Forces and Electric Fields, Electrical Potential Energy and Potential Difference, Electrical current and resistance, Electrical Circuits, Magnetism, and Atomic Physics.

### Title: AP Physics C: Electricity and Magnetism

Length & Credit: 1 year / 1 Credit

Grade: 12

Prerequisite: Completion of AP Physics C: Mechanics with an average of 85 and above.

**Students should have taken or be concurrently taking Advanced Calculus.**

It is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation. The course content is organized into five commonly taught units, which have been arranged in the following suggested, logical sequence:

Unit 1: Electrostatics

Unit 2: Conductors, Capacitors, Dielectrics

Unit 3: Electric Circuits

Unit 4: Magnetic Fields

Unit 5: Electromagnetism

In addition, the following big ideas serve as the foundation of the course, enabling students to create meaningful connections among concepts and develop deeper conceptual understanding:

- Change: Interactions produce changes in motion.
- Force Interactions: Forces characterize interactions between objects or systems.
- Fields: Fields predict and describe interactions.
- Conservation: Conservation laws constrain interactions

### Science Practices

The following science practices describe what skills students should develop during the course:

- Visual Representations: Analyze and/or use [non narrative/ nonmathematical] representations of physical situations, excluding graphs.
- Question and Method: Determine scientific questions and methods.
- Representing Data and Phenomena: Create visual representations or models of physical situations.

- **Data Analysis:** Analyze quantitative data represented in graphs.
- **Theoretical Relationships:** Determine the effects on a quantity when another quantity or the physical situation changes.
- **Mathematical Routines:** Solve problems of physical situations using mathematical relationships.
- **Argumentation:** Develop an explanation or scientific argument

In addition, the topics required for EMSAT are covered such as: Rotational Motion, Fluid Mechanics, Thermodynamics, Thermal Physics, Waves, Sound, Optics, Nuclear & Atomic Physics.

**Title:** AP Biology

**Length & Credit:** 1 year / 1 Credit

**Grade:** 12

**Prerequisite:** An average of 85% in Biology 9 and Advanced Biology (10)

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

Some of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Students should be able to describe how to collect data, use data to form conclusions, and apply their conclusions to larger biological concepts.

**Big ideas of the course and a brief description of each:**

- **Evolution:** The process of evolution drives the diversity and unity of life.
- **Energetics:** Biological systems use energy and molecular building blocks to grow, reproduce, and maintain dynamic homeostasis.
- **Information Storage and Transmission:** Living systems store, retrieve, transmit, and respond to information essential to life processes.
- **Systems Interactions:** Biological systems interact, and these systems and their interactions exhibit complex properties.

**AP Biology Practices**

- **Concept Explanation:** Explain biological concepts, processes, and models presented in written format.
- **Visual Representations:** Analyze visual representations of biological concepts and processes.
- **Questions and Methods:** Determine scientific questions and methods.
- **Representing and Describing Data:** Represent and Describe Data
- **Statistical Tests and Data Analysis:** Perform statistical tests and mathematical calculations to analyze and interpret data.
- **Argumentation:** Develop and justify scientific arguments using evidence.

**Title: AP Chemistry**

**Length & Credit: 1 year / 1 Credit**

**Grade: 12**

**Prerequisite: An average of 85% or above in Chemistry 10, Advanced Chemistry I and a recommendation from the teacher**

The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore content such as: Kinetics, Equilibrium, Acids and Bases, and Application of Thermodynamics.

**Skills covered:**

Designing experiments and procedures to test a prediction or theory.

Creating graphs, diagrams, and models that represent chemical phenomena.

Explaining how the microscopic structure of a substance determines its chemical property.

Making scientific claim and supporting it with evidence



## Social Science Department

Title: MOE Social Studies (ASST)

Length & Credit: 1 year / 0 Credit

Grade: 9

Prerequisite: None

تقدم مادة الدراسات الاجتماعية دراسة منهجية معمّقة للمعلومات والمهارات والمفاهيم في كل من تخصص التاريخ والعلوم السياسية والاقتصاد وعلم الإنسان وعلم النفس والقانون وعلم الآثار والدراسات الاجتماعية ، وهي تخصصات تركز الأنظار على الروابط والعلاقات التي تجمع بين مختلف الشعوب والأمم والعلاقة بين العلم والتقنية والمجتمع ، كيفية ممارسات المواطنة الصالحة ، فضلاً على أن الدراسات الاجتماعية تساعد الشباب في تطوير معارفهم ومهاراتهم المختلفة الضرورية لاتخاذ قرارات صائبة كأعضاء فاعلين في مجتمع يسوده التنوع الثقافي ضمن عالم مترابط فيما بينه .

انطلاقاً من رؤية دولة الإمارات العربية المتحدة تم إعداد منهج الدراسات الاجتماعية وفق معايير عالمية تركز ارتكازاً تراكمياً واعياً على مهارات القرن الحادي والعشرين، ومهارات التفكير الناقد، الابتكار والإبداع. قُسم كتاب الدراسات الاجتماعية إلى ثلاثة أقسام، القسم الأول قُسم إلى وحدتين الأولى تشتمل موضوعات وطنية مثل دستور دولة الإمارات العربية المتحدة. والتضامن العربي ... وثيقة الأخوة الإنسانية لترسيخ أهمية الوحدة والترابط بين أبناء الوطن العربي والعالم الخارجي من أجل إحلال السلام فيما بينهم، والروابط التي تجمع أبناء الإمارات والفهم الأعمق للنظم الاجتماعية والسياسية والاقتصادية للأحداث والاتجاهات والشخصيات والتحركات التاريخية سواء المحلية منها والعالمية.

والثانية دراسة للدولة العثمانية والوطن العربي جوانب تاريخية من العالم الإسلامي بداية من الدولة العثمانية، نشأتها وأهم إنجازاتها التاريخية ومنجزاتها الحضارية وعوامل ضعفها وانهارها، وتوسيع مدارك الطلاب والحفاظ على ثروات بلادهم.

والقسم الثاني يشمل جوانب القضايا السكانية المعاصرة مثل سكان الوطن العربي، ومن أهم القضايا السكانية البطالة، والتضخم السكاني، التلوث، والازدحام السكاني.

الوحدة الثالثة تشمل جوانب عن زايد والمرأة الإماراتية، والهوية الإماراتية، وهويتي مسؤوليتي، وقبة النور حيث تشمل بعض جوانب النهضة في دولة الإمارات العربية المتحدة مثل متحف اللوفر، والتاريخ فكر يتحدث لحضارة بلاد الرافدين والربط بين بيت الحكمة وعام القراءة لدولة الإمارات حيث منارة العلم الحديث في إنشاء بيت الحكمة في العاصمة الثقافية لها (الشارقة).

ومن المهارات التي يتعلمها الطالب العمل الجماعي وتبادل الأفكار، استخدام التقنيات، تبادل الخبرات ورسم الخرائط وقراءة الرسم البياني والجداول وتحليلها، كذلك حل المشكلات ثم صياغة الحلول لها مع اقتراح الحلول

القائمة على المنطق والبراهين. كما يتعين عليهم فهم أهمية جمع البيانات وتحليلها وأهمية البحوث المكتبية والميدانية والمناظرات والمناقشات والتي كلها تشكل عناصر أساسية لاتخاذ قرارات مهنية ناجحة.

#### Title: Modern History

Length & Credit: 1 year / 1 Credit

Grade: **10** Compulsory

Prerequisite: None

Studying the Modern History course enables students to become critical thinkers and helps inform their judgements and actions in a rapidly changing world. Students are exposed to a variety of historical sources to determine the cause and effect, and the motives and forces influencing people and events during the major world wars and the Cold War. Students will also focus on how to read, understand, and analyze maps. Through the process of historical inquiry, students are encouraged to question and evaluate historical events; identify various representations and versions of history; use evidence to formulate and support their own interpretations; and communicate their findings in a variety of ways.

#### Human Geography: Our Global Identity

Length & Credit: 1 semester/ 0.5 Credit

Grade: 11

Prerequisite: None

How do language and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments.

#### Title: Ancient History

Length & Credit: 1 semester / 0.5 Credit

Grade: 12

Prerequisite: None

Ancient History broadens the students' Knowledge of civilizations that dominated the world throughout History. It analyzes historical eras and events. The course provides overviews of content and deepens the students' analytical skills. It supports Inquiry and Active learning by giving multiple possibilities for discussing, debating and deep thinking and engagement.

The analyses of Civilizations' rises and falls enable the students to understand the causes and analyze results to inspire and encourage their love of learning.

By delivering an immersive experience through compelling narratives enriched with digital media, students are connected through experiences that are energizing, inspiring and memorable. The course offers the students a robust, intuitive experience.

**Title:** Economics

**Length & Credit:** 1 year / 1 Credit

**Grade:** 11

**Prerequisite:** None

This course uses a concept-driven and interactive approach to develop economic literacy. It uses real-world examples, frequent concept application, and continuous updating to ensure that students and teachers stay abreast of the very latest economics news and information. A variety of print and technology resources are integrated into this comprehensive program providing teachers and students with the tools needed for success, from easy-to-use teaching tools to assessment tools that inform instruction. The course follows a consistent Concept-Example-Application approach, offering students a chance to make sure they fully understand the material before moving on. Because economics builds on itself, almost like math or a world language, this helps keep students on pace.

Students are introduced to the basics of economic principles and learn how to think like economists. They explore different economic systems, including the American free enterprise system, analyze and interpret data, and consider economic applications in today's world. From economics in the world of business, money, banking, and finance, students see how economics is applied both domestically and globally. The focus will be on: Scarcity: The Basic Economic Problem, Economic Systems, Demand, Supply, Market Structures and Types of Business Organizations.

**Title:** Economics (II)

**Length & Credit:** 1 year / 1 Credit

**Grade:** 12

**Prerequisite:** Completion of Economics I

This course is considered an advanced Economics course because it goes deeply into fundamental economic ideas and the operation of the economy on a national scale. The role of labor, money & banking, financial markets, economic Indicators, and measurements, facing economic challenges, international trade, the role of government, the national income and its distribution, GDP, savings function, stocks and bonds, aggregate demand, and aggregate supply. Analysis of monetary policy, including the banking system and the Federal Reserve System is also discussed. After this course students will gain strong analytical and problem-solving skills. As well as the business acumen necessary to succeed in the professional world. They will be able to view world events from an economist's point of view.

## *Design and Innovation Department*

**Title:** Introduction to Programming through Video Game Design and building iOS Apps

**Length & Credit:** 1 year /0.5 Credit

**Grade:** 9

**Prerequisite:** None

Technology has a language. It's called code. And we believe coding is an essential skill. Learning to code teaches you how to solve problems and work together in creative ways. And it helps you build apps that bring your ideas to life. We think everyone should have the opportunity to create something that can change the world.

### **Learn to Code 1,2 & 3.**

By solving puzzles in a dynamic 3D puzzle world, students will develop a set of coding skills to build up their basic programming vocabulary. Their coding journey begins with simple commands, functions, and loops. From the start, they'll write real Swift code — the same code used by real programmers.

They'll journey beyond simply solving puzzles and create worlds of their own and finally students will expand the coding skills they learned in previous lessons to start thinking more like an app developer.

**Title:** App Development with Swift Course

**Length & Credit:** 1 semester / 0.5 Credit

**Grade:** 9

**Prerequisite:** None

This course is designed to teach students the skills needed to be an app developer capable of bringing their own ideas to life. By the end of this course, they should be able to build a fully functioning app of their own design.

The course starts by introducing iOS development tools, basic programming concepts using Swift as the language, and industry best practices. Building on this foundation, we will follow a step-by-step curriculum, work through practical exercises, and create apps from scratch.

Students will build five projects, beginning with a simple flashlight app that changes the background color of the screen and ending with a shopping app that works with network services to communicate with a web server. After they finish the course projects, they will have a chance to build their own personal project, working through design, prototyping, and development phases.

**Title: Media/ Film Production**

Length & Credit: 1 semester / 0.5 Credit

Grade: 10

Prerequisite: None

The Media and Film Production course covers a broad combination of creative and film areas. Students will learn how to design and create across a range of digital platforms to develop their concepts into reality.

This course examines all the processes which go into the creation of a film, from its inception as a treatment and screenplay to its distribution as a film. Students will participate in short film production during the course and will understand the importance of Pre-production, production, and post-production.

**Title: Computer Science Principles**

Length & Credit: 1 semester / 0.5 Credit

Grade: 11

Prerequisite: None

An introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

**Section 1: Computer Science Theory**

Main computer science theory domains such as computer systems and network, data analysis, and impacts of computing.

- Computing Systems and Networks
- Data Analysis
- Impacts of Computing

**Section 2: Problem Solving and Programming Practices**

- Algorithms and Programming

**Title: Artificial Intelligence**

Length & Credit: 1 semester / 0.5 Credit

Grade: 11

Prerequisite: None

Students will take on the concept of Artificial Intelligence from its core pillars up to coding and implementing Machine Learning models and programs. The course covers the technological advancements that enabled AI to become a reality, then moves on to exploring what AI is in depth, teaching students what differentiates this concept from the conventional programming that we are very familiar with today.

**Title: Engineering Design - Advanced**

Length & Credit: 1 semester / 0.5 Credit

Grade: 12

Prerequisite: None

Students will study Design Engineering, which includes Robotics (Level 2), Arduino module and 3D Printing.

Robotics is a project-based curriculum that is motivating and engaging for many students. It draws on, and develops, learning related to the disciplines of science, technology, engineering, and mathematics (STEM). At this stage, students will explore the processes of design and programming, and develop solutions of real-life problems, using EV3 LEGO robots.

The Arduino module is also a part of the engineering design course, where students explore aspects of electronics, circuitry, programming, and processes of design. Students learn about these aspects through researching, designing circuitry, and utilizing and programming electronics using Arduino modules and LittleBits. Students will apply what they learn by designing a final Project.

During this course students will be introduced to 3D printing and 3D modeling concepts. They will integrate different engineering concepts to bring their ideas to life and have the chance to work like design engineers. Students will be using modeling software where they will have to reverse engineer real life models, design their own prototypes, and work on big group projects which they will present.

## *Visual Arts Department*

Title: *Visual Arts & Art History*

Length & Credit: 1 semester / 0.5 Credit

Grade: **9**

Prerequisite: None

### **Fine Arts Course (Unit of work):**

This course focuses on the Elements of Art and Principles of Design and the ways they can be applied within individual media forms, and it will cover fundamental principles of visual design also including composition, typography, style, tools, materials, and the organization of visual information. As a course in design process, there will be an emphasis on different methods for working, including concept development through process and repetition.

### **Art History Course (Unit of work):**

This course introduces students to a broad range of issues, skills, and practices in the field of visual studies with an emphasis on works of art. It is designed to familiarize students with some of the major periods in both Western and Non-Western art history as well as the compelling methodologies and questions of the art historian. The course trains students in formal and visual analysis and guides them in examining artworks within appropriate contextual and cultural frameworks.

Title: *Studio Art & Design (Geometric Design - 3D Sculpture)*

Length & Credit: 1 semester / 0.5 Credit

Grade: **9**

Prerequisite: None

### **Geometric Design Course (Unit of work):**

In this course, students will be introduced to learn how to make repeating geometric patterns based on traditional shapes from ancient cultures with contemporary touch that can be applied to all types of products. Discover endless ways to illustrate using basic shapes and design complex, eye-catching compositions to create designs with a distinct personality and style.

### **3D Sculpture Course (Unit of work):**

In this course, students will become familiar with and learn how to use the elements of visual design, a variety of materials, processes, and techniques through a wide range of visual 3D media.

Through a series of exercises, students will explore the possibilities of expression that arise when a variety of media and supportive surfaces are combined.

Students should anticipate a studio-based art class which may include creative problem solving, production of artwork, critiques, self-evaluation, readings and note taking. In the 3D Design art class, the curriculum is based on a theme. This theme allows students to make connections between art, academics, and their personal world.

**Title: Studio Art & Design**

Length & Credit: 1 semester / 0.5 Credit

Grade Level: Grade **11**

Prerequisite: A minimum average of 80% must be obtained in the last art course or teacher recommendation.

**Geometrical Design Course** (Unit of work):

Geometric drawing has been around in various forms for centuries and in various cultures all over the world. In this course, students will be exploring this form of drawing that can range from perfectly simple to uniquely intricate! Students will start by using various tools to create perfect circles, triangles, squares, pentagons, hexagons, and more. Then they will use these shapes as a basis to create regular and semi-regular grids to build intricate tessellating patterns. Finally, they will learn about color combinations and how to use color to bring their designs to vivid life.

**Fine Arts Course** (unit of work):

This course focuses on the Elements of Art and Principles of Design and the ways they can be applied within individual media forms, and it will cover fundamental principles of visual design also including composition, typography, style, tools, materials, and the organization of visual information. As a course in design process, there will be an emphasis on different methods for working, including concept development through process and repetition.

**Title: Art History**

Length & Credit: 1 semester / 0.5 Credit

Grade Level: Grade **12**

Prerequisite: A minimum average of 80% must be obtained in the last art course or teacher recommendation.

This course is designed to introduce students to some of the major periods in Western and non-Western art history. The course trains students in formal and visual analysis and guides them in examining works of art within appropriate contextual and cultural frameworks.

The practical application of this course will be on a project basis where students will select more than one art movement or famous artists to analyze, compare works of art and then come up with their own original design that represents their culture and personality in the light of the art movement/style studied.



Title: Theater, Cinema and Film Production

Length & Credit: 1 semester/ 0.5 Credit

Grade: 10

Prerequisite: 80% or above average in English

Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. In this course, students will explore the enchanting world of live theater and its fascinating relationship to the silver screen. Students will be introduced to the different genres of both and how to develop the script for stage and film. Students will then dive into how to bring the script to life with acting and directing. The products from this course will be used to create films in ICT classes. If you have a passion for the art of film and stage, this course will help bring your creativity to life!

## Arabic Language

Title: Arabic 9

Length & Credit: 1 year / 1 Credit

Grade: 9

Prerequisite: None

وُضع كتاب الصف التاسع للطالب؛ ليستفيد منه، ويستمتع بقراءته، وقد صُمِّم تصميمًا بسيطًا واضحًا، وقُسِّم إلى ثلاثة فصول في كل فصل ستة أقسام تضمّنت مهارات اللغة الأربع: القراءة، الاستماع، المحادثة، الكتابة. أما نصوص القراءة فقد تَنَوَّعت ما بين القرآن الكريم والحديث الشريف، والنصوص الأدبية، ونصوص الرأي، والنصوص المعلوماتية.

وفي مجال القراءة تضمّنت نصوصا نثرية شملت الحديث الشريف " لا تغضب "، ونصًا من القرآن الكريم، وثلاث قصص قصيرة، ونصًا يندرج تحت فنّ السيرة الذاتية، ونصًا من أدب الرحلات، ونصًا من نصوص الرأي، ونصًا معلوماتيًا، وأخرى شعرية تضمّنت نصين الأول من العصر الجاهليّ، والآخر من العصر الأمويّ. ويتمّ تناول النصوص من حيث (القراءة الجهرية المعبرة للنصوص الشعرية والنثرية، بالإضافة إلى النصوص القرآنية، ومهارة الفهم والاستيعاب، والتراكيب والأساليب اللغوية، واستخراج الضد والمرادف، والإيحاءات ودلالات الألفاظ والعبارات، والفكرة العامة، والأفكار الرئيسية، والمواقف والآراء، والقيم والاتجاهات، الصور التعبيرية).

وفي مجال الاستماع يكتسب الطالب مهارات تحليل المادة المسموعة محدّدًا الفكر، والنقاط الرئيسية. وفي مجال المحادثة يكتسب الطالب مهارات العرض التقديميّ لموضوع ما بطريقة مصممة لإقناع الجمهور، ومؤكّدًا الرأي وداعمًا إياه بالأدلة المختلفة من مثل علاقة السبب والنتيجة، والاستراتيجيات الأخرى. وفيما يخصّ مهارة الكتابة يكتسب الطالب مهارات كتابة الاستجابة الأدبية، والمقال الوصفيّ، وكتابة نص سردي من عدة أحداث واصفا المشاهد، والأحداث والمشاعر، وكتابة السيرة الذاتية. وأما التطبيقات النحوية فقد تضمّنت مفاهيم الميزان الصرفيّ، واسم الفاعل، واسم المفعول، والأفعال التي تنصب مفعولين أصلهما المبتدأ والخبر، والأفعال التي تنصب مفعولين ليس أصلهما المبتدأ والخبر، والتوكيد)، وأمّا البلاغة فقد تضمّنت مفاهيم (التشبيه البليغ، الاستعارة) تعريفًا وتوظيفًا. وبهذا نجد أنّ المادة تُقدِّم بروح من الأصالة والتجديد؛ لتوسيع الخبرات المعرفية، حيث جاءت المادة متنوّعة على مستوى النصوص فنونًا وزمانًا ومكانًا، وتُعنى موضوعاته بمهارات البحث والتفكير الناقد من خلال استراتيجيات تركز على التعلّم النشط.

وقد خُصِّصَ الفصل الثالث لتناول رواية عساكر قوس فُرح؛ ليكتسب الطالب مهارات القراءة الذاتية، والدخول إلى عالم الرواية، ومشاهدة شخصها وهي تمر بالأزمات، وهي تنكسر أو تنتصر، وهي تخوض تجارب تشابه تجاربنا في الحياة، ومنها سيتعلّم الطالب عن اللغة والحياة والناس ما لم يتعلّمه من قبل.

Title: Arabic 10

Length & Credit: 1 year / 1 Credit

Grade: 10

## Prerequisite: Completion of Arabic 9

يهدف الكتاب كتاب اللغة العربية للصف العاشر إلى تطوير مهارات الطالب اللغوية، من خلال التفاعل الواعي مع مضامين النصوص وأفكارها، وهو يُركّز على ستة محاور هي: القراءة، والاستماع، والمحادثة، والكتابة، والنحو والبلاغة.

وقد قُسمَ الكتاب إلى ثلاثة فصول وفق فصول السنة الدراسية، وكلّ فصل يتضمن وحدتين أساسيتين ووحدة اختيارية، أما الفصل الثالث فقد خُصّص لتناول الرواية المقرّرة، وهي رواية العجوز والبحر للكاتب الأمريكي إرنست همنغواي.

ففي مجال القراءة تضمن المقرر حديثاً شريفاً ونصاً قرآنياً، وأربعة نصوص شعرية، نصّ إذا المرء لم يدنس من العصر الجاهليّ، ونصّ بان الخليط من العصر الأمويّ، ونصّ حُلّ الربيع من العصر العباسيّ، ونصّ أنا من بدل بالكتب الصحابة من العصر الحديث. ومن النصوص النثرية تضمّن خمس قصص قصيرة، ثلاثاً منها من الأدب العربيّ: مصباح الحّمّام، و زعتر وزنجبيل، والكرتونة، والرابعة قصة الخبز، وهي قصة مترجمة عن الأدب الألمانيّ، والخامسة قصة الشاعر النمر، وهي قصة مترجمة عن الأدب اليابانيّ، وتضمّن كذلك نصين يندرجان تحت فنّ السيرة الذاتية، الأول بعنوان تجربة، وهو نص مترجم عن الأدب الأمريكيّ، والثاني بعنوان الأيّام من الأدب العربيّ، ومن النصوص المعلوماتية تضمّن ثلاثة نصوص: كيفية تقدير الذات، والتسوّق الإلكترونيّ، والأمل والطموح، ومن نصوص الرأي الدول بين الابتكار والاندثار، والمقال الأدبيّ العتاب صابون القلوب. ويتمّ تناول النصوص كافة من حيث القراءة الجهرية المعبرة للنصوص الشعرية والنثرية، بالإضافة إلى النصوص القرآنية، ومهارة الفهم والاستيعاب، والتراكيب والأساليب اللغوية، والإيحاءات ودلالات الألفاظ والعبارات، الأفكار العامة والأفكار الرئيسية، القيم والاتجاهات، الصور التعبيرية. وفي مجال الاستماع يكتسب الطالب مهارة تحليل النصّ الأدبيّ المسموع محدداً الفكر والنقاط الرئيسية، وطبيعة الحجج المقدمة فيه.

وفي مجال التحدّث يكتسب الطالب القدرة على تقديم عرض معلوماتيّ مظهراً إحاطة تامّة بالموضوع بالإجابة عن أسئلة المستمعين مستخدماً لغة عربية فصيحة.

وفيما يتعلق بمجال الكتابة تُركّز المادة على إكساب الطالب القدرة على كتابة الاستجابة الشخصية للنصوص الأدبية، والسيرة الذاتية أو الغيرية، والنصّ الأدبيّ السرديّ، والنصّ الوصفيّ ملتزماً فيما يكتب الخصائص الفنية لكلّ فن بلغة عربية صحيحة قدر الإمكان.

أما بالنسبة إلى الصرف والنحو فقد وُزعت الدروس وفق أجزاء الكتاب وهي كالتالي: المشتقات (صيغة المبالغة والصفة المشبهة)، بالإضافة إلى أسلوب الاستثناء والاختصاص، وضمانر الرفع والنصب والجرّ المتصلة. وفي البلاغة تنوعت دروس البلاغة ما بين الاستعارة والتشبيه والطباق والمقابلة والتقديم والتأخير. وبهذا نجد أن المادة تُقدّم بروح من الأصالة والتجديد؛ لتوسيع الخبرات المعرفية حيث جاءت المادة متنوعة على مستوى النصوص فنونا وزمانا ومكانا، وتُعنى موضوعاته بمهارات البحث والتفكير الناقد من خلال استراتيجيات تركز على التعلّم النشط.

وقد انطلق محتوى الكتاب من رؤية دولة الإمارات العربية المتحدة؛ فقد تم إعداد منهج اللغة العربية وفق معايير عالمية تركز ارتكازاً تراكمياً واعياً على مهارات القرن الحادي والعشرين، ومهارات التفكير العليا، والمهارات الحياتية ومفاهيم التنمية المستدامة، وتنمية العديد من القيم والاتجاهات، والتكامل بين مادة اللغة العربية والمواد الأخرى.

Title: Arabic 11

Length & Credit: 1 year / 1 Credit

Grade: 11

Prerequisite: Completion of Arabic 10

روعي في تصميم وبناء المنهج الجديد تلبية حاجات الطلاب، وصقل مهاراتهم في مجالات البحث والتفكير ومهارات القرن الحادي والعشرين؛ ولتحقيق ذلك صُمم كتاب الصف الحادي عشر وفق محاور القراءة والكتابة والاستماع والتحدث، والنحو والبلاغة، وقد تنوعت النصوص التي تخدم هذه المهارات ما بين أدبية ومعلوماتية ونصوص رأي.

وقد قُسم الكتاب إلى ثلاث مجلدات:

تضمّن المجلد الأول منها في مجال القراءة نصّاً قرآنياً ونصّين من العصرين الجاهلي والأموي، وقد تمّ تناول كل نصّ منهما محور الاستعداد للقراءة، ومحور أثناء القراءة، وتعريفاً بالشاعر ومعجماً لغوياً يُعين الطلاب على فهم النصوص، وتدرّيبات حول النصوص المعطاة، ونصوصاً نثرية متنوعة حول فنّ القصة والسيرة الأدبية ونصوص الرأي والنصوص المعلوماتية.

وفي مجالي الاستماع والتحدث تناول هذا المحور مهارات متنوعة، من مثل تحديد الفكرة، وشرح الأدلة الداعمة إيّاها، وتعزيز قدرة الطالب على إعداد العرض الشفوي وجمع المعلومات وتقديمها.

وفي مجال الكتابة تضمن تدريب الطالب على كتابة القصة والسيرة الأدبية.

وفيما يخصّ التطبيقات النحوية فقد تضمن المقرر مفاهيم المشتقات وكيفية صياغتها وتوظيفها في مواقف حياتية.

وفيما يخصّ البلاغة فقد تضمنت التشبيه التمثيلي والكناية حيث تمّ التعريف بالمفهوم وتحليله وتوضيح مواطن الجمال فيه، وإنتاج جمل تتضمن المفاهيم المستهدفة.

أمّا المجلد الثاني فقد تضمن في مجال القراءة حديثاً شريفاً ونصوصاً شعرية من العصرين العباسي والعصر الحديث (أدب المهجر)، ونصوصاً نثرية قصصية من الأدب العالمي والإماراتي، ومقالاتاً، إضافة إلى نصّ معلوماتي.

وفي مجالي الاستماع والمحادثّة فقد تضمن هذا المحور نصوصاً تدرّب الطالب على تحديد الفكرة المحورية، وشرح الأفكار الداعمة، وتحليل القيم الظاهرة والخفية في النصوص. وقد تضمنت مهارة المحادثّة تعزيز قدرة الطالب على إعداد عرض شفوي معلوماتي موظفاً التقانة للتشويق.

وفي محور التطبيقات النحوية فقد تضمن مفاهيم أفعال المقاربة، والرجاء، والشروع والتوابع.

وفي البلاغة تضمن المحتوى التشبيه الضمني تعريفاً وتحليلاً وتوضيحاً لمواطن الجمال، بحيث يتمكن الطالب من إنتاج جمل تتضمن المهارة المستهدفة.

وقد تضمن المجلد الثالث نصّاً من الشعر الإماراتي، ونصّاً معلوماتياً ومقالاتاً، إضافة إلى رواية من الأدب العالمي بعنوان " أن في المرتفعات الخضراء "، وقد تناول كل نصّ منها محور الاستعداد للقراءة، ومحور أثناء القراءة، وتعريف بالشاعر ومعجماً لغوياً يُعين الطلاب على فهم النصوص وتدرّيبات حول النصوص المعطاة.

وفي مجالي الاستماع والمحادثّة يُدرّب الطلاب على فهم المسموع، والتواصل مع الآخرين مقدماً المعلومات والنتائج المدعومة بالأدلة مستخدماً اللغة الفصيحة، وإعداد عرض شفوي معلوماتي موظفاً التقانة للتشويق،

مستخدماً الوسائط الرقمية في العروض البصرية.

وفيما يتعلق بالكتابة فهي تهدف إلى تدريب الطلاب على كتابة النصوص السردية والمعلوماتية والوصفية وكيفية التوثيق وكتابة المصادر والمراجع باستخدام الحاسوب.

بخصوص التطبيقات النحوية فقد تضمن محور النحو تدريبات على ما سبق تناوله من مفاهيم في المُجلدين الأول والثاني.

أما البلاغة في المُجلد الثالث فقد تناول المحور من المحسنات البديعية الجناس، حيث يتم التعريف بالمفهوم وأنواعه، وتدريب الطالب على توظيف المفهوم في إنتاجه اللغوي.

Title: Arabic 12

Length & Credit: 1 year / 1 Credit

Grade: 12

Prerequisite: Completion of Arabic 11

لما كانت اللغة العربية تمثل واحدا من مقومات الهوية الوطنية فقد حظيت باهتمام القائمين على شأن الميدان التربوي؛ ولذا روعي في تصميم وبناء المناهج الجديدة أن تلبى حاجات الطلاب وصلف مهاراتهم في مجالات البحث والتفكير ومهارات القرن الحادي والعشرين.

ولتحقيق ذلك صُمم كتاب الصف الثاني عشر الجديد وفق مهارات اللغة العربية الأربع القراءة، والكتابة والاستماع والتحدث. ففي القراءة تضمن مقرر المادة نصوصاً متنوعة تندرج تحت فنون اللغة المختلفة، منها ما هو نصّ قرآنيّ وحديث شريف، ومنها نصوص أدبية تندرج تحت أدبي العصرين العباسيّ والأندلسيّ، ومن ذلك قصيدة أرق على أرق وقصيدة على قدر أهل العزم من العصر العباسيّ، وقصيدتا جادك الغيث و نثر الجو على الأرض برّد من العصر الأندلسيّ، وأخرى قصصية بعضها عربيّ أصيل - علامة تعجب، رأيت النخل، ما لن يأتي عبر النافذة -، وبعضها مترجم عن لغات أخرى - نظرة خارج النافذة، الحرباء، السماور، ورواية الأمير الصغير المترجمة عن الأدب الفرنسيّ، ومن النصوص المعلوماتية أنسنة المُدن، ولماذا نعدّ النجوم، والتصنيف والجماعات، وكيف تكشف المغالطات. وقد تمّ تناول هذه النصوص من حيث الفكرة، والغرض، والمغزى والتحليل، والمعجم، والعاطفة، والبناء التعبيريّ، والصور البيانية - التشبيه، الاستعارة -، والمحسنات البديعية - الطباق، المقابلة، الجناس.

وفي مجال التطبيقات النحويّة فقد تضمّن المقرر مفاهيم الجملة الاسمية، وكان وأخواتها، وإن وأخواتها، وأفعال المقاربة والرجاء والشروع، والجملة الفعلية، والفاعل ونائب الفاعل، والمفاعيل (المفعول به، والمفعول المطلق، والمفعول له، والمفعول فيه)، ويضاف إلى ذلك الحال والتمييز والجرّ والإضافة، وقد تمّ تناول هذه المفاهيم من حيث التّعريف، والتّطبيق والتّوظيف.

وفيما يخصّ الاستماع والتحدث فقد شملت المهارات تحديد الفكرة، وموضوع النص وغرض الكاتب منه، والاستراتيجية التي استخدمها الكاتب، والأدلة الداعمة الآراء المطروحة، وتحديد المعنى لكلمة ما من خلال السياق، كما شملت تعزيز قدرة الطالب على إعداد وتقديم ورقة بحثية وعرض تقديمي بلغة عربيّة فصيحة مستخدماً وسائل توضيحية من مثل المؤثرات السمعية والبصرية والرّسوم البيانية لتعزيز الفهم والأدلة والنّتائج. وبالنسبة إلى مهارة الكتابة فقد عني المقرر بتعزيز قدرة الطّالب على الكتابة في فنون لغويّة مختلفة وفق السّمات الفنيّة الخاصّة بكل فنّ، ومن ذلك الاستجابة الأدبيّة، والقصة القصيرة، والمقال الإقناعيّ، والسيرة الذاتية في مجال الأعمال.

وقد زوّد كتاب اللغة العربيّة في مقدمته بإرشادات وتوجيهات في مجالي القراءة والكتابة من حيث كيفية التعامل مع النصّ المقروء سواء أكان أدبيّاً أم معلوماتيّاً، وثمره هذا كله صقل مهارات الطالب وقدراته في مهارات اللغة الأربع.

## Islamic Studies Department

Title: Islamic 9

Length & Credit: 1 year / 0.5 Credit

Grade: 9

Prerequisite: None

اعتمد الكتاب في بنائه على مجموعة من الوحدات، حيث تضمنت كل وحدة موضوعات متنوعة، تمثل مجالات ومحاور المنهج بصورة متكاملة.

أولاً: الوحي الإلهي القرآن الكريم (سورة الحجرات) والحديث الشريف حيث تناولت الأهداف التالية: الأدب مع الله تعالى ورسوله وولي الأمر، السبع الموبقات.

ثانياً: قيم الإسلام وآدابه حيث تناولت الأهداف التالية: التناسح في الإسلام.

ثالثاً: أحكام الإسلام ومقاصده حيث تناولت الأهداف التالية: الزكاة في الإسلام.

رابعاً: العقيدة الإيمانية حيث تناولت الأهداف التالية: أسماء الله تعالى الحسنى.

خامساً: السيرة النبوية والشخصيات حيث تناولت الأهداف التالية: الإمام مسلم.

سادساً: القضايا المعاصرة والهوية حيث تناولت الأهداف التالية: الأمن والأمان.

وحرص الكتاب على ترجمة معايير المنهج إلى محتويات شاملة، وحدد نواتج التعلم في بداية كل درس، وألحق ذلك بأنشطة الطالب التي ركزت على ثلاثة أنواع من المحاور، وهي الأنشطة العامة لجميع الطلاب، و الأنشطة الإثرائية، والأنشطة التطبيقية.

التلاوة - التفسير - التخيل - التصنيف - التحليل - إبداء الرأي - المقارنة - الاستنباط - مهارات التفكير الناقد - التفكير الإبداعي - الابتكاري - الاستنتاج والتعليل.

Title: Islamic 10

Length & Credit: 1 year / 0.5 Credit

Grade: 10

Prerequisite: Completion of Islamic 9

اعتمد الكتاب في بنائه على مجموعة من الوحدات، حيث تضمنت كل وحدة موضوعات متنوعة، تمثل مجالات ومحاور المنهج بصورة متكاملة.

أولاً: الوحي الإلهي القرآن الكريم (سورة الكهف) حيث تناولت الأهداف التالية: قصة أصحاب الكهف، موسى نبي الله تعالى.

ثانياً: قيم الإسلام وآدابه حيث تناولت الأهداف التالية: الوقف في الإسلام.

ثالثاً: أحكام الإسلام ومقاصده حيث تناولت الأهداف التالية: أحكام الزواج.

رابعاً: العقيدة الإيمانية حيث تناولت الأهداف التالية: العقل في الإسلام.  
خامساً: السيرة النبوية والشخصيات حيث تناولت الأهداف التالية: رعاية الرسول صلى الله عليه وسلم لأهل بيته.

سادساً: القضايا المعاصرة والهوية حيث تناولت الأهداف التالية: طاعة ولي الأمر.  
وحرص الكتاب على ترجمة معايير المنهج إلى محتويات شاملة، وحدد نواتج التعلم في بداية كل درس، وألحق ذلك بأنشطة الطالب التي ركزت على ثلاثة أنواع من المحاور، وهي الأنشطة العامة لجميع الطلاب والأنشطة الإثرائية، والأنشطة التطبيقية.  
التلاوة - التفسير - التخيل - التصنيف - التحليل - إبداء الرأي - المقارنة - الاستنباط - مهارات التفكير الناقد - التفكير الإبداعي - الابتكاري - الاستنتاج والتعليل.

Title: Islamic 11

Length & Credit: 1 year / 0.5 Credit

Grade: 11

Prerequisite: Completion of Islamic 10

اعتمد الكتاب في بنائه على مجموعة من الوحدات، حيث تضمنت كل وحدة موضوعات متنوعة، تمثل مجالات ومحاور المنهج بصورة متكاملة.  
أولاً: الوحي الإلهي القرآن الكريم (سورة الأحزاب) حيث تناولت الأهداف التالية: الثبات على الحق، الاقتداء بالرسول صلى الله عليه وسلم.  
ثانياً: قيم الإسلام وآدابه حيث تناولت الأهداف التالية: الاستعفاف، آداب الحوار.  
ثالثاً: أحكام الإسلام ومقاصده حيث تناولت الأهداف التالية: القواعد الفقهية.  
رابعاً: العقيدة الإيمانية حيث تناولت الأهداف التالية: العقل والنقل.  
خامساً: السيرة النبوية والشخصيات حيث تناولت الأهداف التالية: ام سلمة رضي الله عنها.  
سادساً: القضايا المعاصرة والهوية حيث تناولت الأهداف التالية: الاستدامة في المنهج الإسلامي.  
وحرص الكتاب على ترجمة معايير المنهج إلى محتويات شاملة، وحدد نواتج التعلم في بداية كل درس، وألحق ذلك بأنشطة الطالب التي ركزت على ثلاثة أنواع من المحاور، وهي الأنشطة العامة لجميع الطلاب، والأنشطة الإثرائية، والأنشطة التطبيقية.  
التلاوة - التفسير - التخيل - التصنيف - التحليل - إبداء الرأي - المقارنة - الاستنباط - مهارات التفكير الناقد - التفكير الإبداعي - الابتكاري - الاستنتاج والتعليل.

Title: Islamic 12

Length & Credit: 1 year / 0.5 Credit

Grade: 12

Prerequisite: Completion of Islamic 11

اعتمد الكتاب في بنائه على مجموعة من الوحدات، حيث تضمنت كل وحدة موضوعات متنوعة، تمثل مجالات ومحاور المنهج بصورة متكاملة.  
أولاً: الوحي الإلهي القرآن الكريم (سورة النور) حيث تناولت الأهداف التالية: وقاية المجتمع من الجرائم الأخلاقية.

ثانياً: قيم الإسلام وآدابه حيث تناولت الأهداف التالية: المسؤولية في الإسلام.  
ثالثاً: أحكام الإسلام ومقاصده حيث تناولت الأهداف التالية: مقاصد التشريع.  
رابعاً: العقيدة الإيمانية حيث تناولت الأهداف التالية: الإسلام ينبذ التطرف.  
خامساً: السيرة النبوية والشخصيات حيث تناولت الأهداف التالية: الشیخة فاطمة بنت مبارك.  
سادساً: القضايا المعاصرة والهوية حيث تناولت الأهداف التالية: الإسلام واقتصاد المعرفة.  
وحرص الكتاب على ترجمة معايير المنهج إلى محتويات شاملة، وحدد نواتج التعلم في بداية كل درس، وألحق ذلك بأنشطة الطالب التي ركزت على ثلاثة أنواع من المحاور، وهي الأنشطة العامة لجميع الطلاب، والأنشطة الإثرائية، والأنشطة التطبيقية.  
التلاوة - التفسير - التخيل - التصنيف - التحليل - إبداء الرأي - المقارنة - الاستنباط - مهارات التفكير الناقد - التفكير الإبداعي - الابتكاري - الاستنتاج والتعليل.



## *Physical Education & Health Science*

**Title:** Physical and Health Education

**Length & Credit:** 1 year / 0.5 Credit / per grade level

**Grade:** 9 -12

**Prerequisite:** None

The high school experience represents the culmination of physical education. When students reach ninth grade, they are ready to integrate all that they know with all that they can do. They become capable of higher-order thinking and of more skilled performance. For high school students, this is their last opportunity for formal instruction in physical education. The course addresses combative, gymnastics/ tumbling, and team activities. Instruction on the effects of physical activity on dynamic health and the mechanics of body movement is integrated throughout the school year.

Students will acquire a broad range of fundamental skills and knowledge, related to movement and sport. Students will experience a variety of physical education activities. Skill development and game-play strategies related to activities such as movement skills in aerobic exercises, individual and dual activities and will develop and implement a one-month personal physical fitness plan. In addition, students will be able to explain the role of physical activity in the prevention of disease and the reduction of health care costs, develop personal goals to improve one's performance in physical activities and identify and utilize the potential strength of everyone in physical activities.

Health education is an integral part of the education program for all students.

Health education is a continuum of learning experiences that enables students, as individuals and as members of society, to make informed decisions, modify behaviors, and change social conditions in ways that are healthy.

The health education California standards define the essential skills and knowledge that all students need to become "health literate"; they represent a strong consensus of the essential knowledge and skills that students should have at specific grade levels.

A primary goal of the health education standards is to improve academic achievement and health literacy for all students.

### **Overarching Content Standards and Rationales:**

The Five overarching health content standards for grade nine through grade twelve are presented below, along with the rationale for each standard.

1-Understanding essential concepts about the relationships between behavior and health provides the foundation for making informed decisions about health-related behaviors and for selecting appropriate health products and services.

2-The ability to appropriately convey and receive information, beliefs, and emotions is a skill that enables students to manage risk, conflict, and differences and to promote health. Managing health behaviors requires critical thinking and problem solving.

3-The ability to use decision-making skills to guide healthy behaviors fosters a sense of control and promotes the acceptance of personal responsibility.

4-Practicing healthy behaviors builds competence and confidence to use learned skills in real-life situations. The ability to adopt health-enhancing behaviors demonstrates students' ability to use knowledge and skills to manage health and reduce risk-taking behaviors.

5-Personal, family, and community health are interdependent and mutually supporting. The ability to promote the health of oneself and others reflects a well-rounded development and expression of health.

## *Business Studies Department*

### **Title: Accounting I**

Length & Credit: 1 Semester / 0.5 Credit

Grade: **11**

Prerequisite: None

The prime objective of this course is to introduce students to the double-entry system of accounting for sole proprietorships by using real-world applications and connections. It includes analyzing business transactions, journalizing, posting, and preparing worksheets and financial statements (balance sheets, income statements, worksheets, and trial balances). Other important objectives include the following:

- To help students develop personal and professional skills for school and work.
- To help students understand the relationship between the manual system of accounting and a computerized system.
- To help students make financial decisions in their real lives.

### **Title: Accounting II**

Length & Credit: 1 Semester / 0.5 Credit

Grade: 11 & 12

Prerequisite: Completion of Accounting I

This course is an introduction to the basic concepts and standards underlying financial accounting systems. Several important concepts will be studied in detail, including closing entries, accounting for sales and accounts receivable, accounting for purchases and accounts payable and financial statements with closing procedures.

Accounting is the language of business, which is the process of recording, classifying, and summarizing financial information. Financial understanding of assets, liabilities, owner's equity, revenues, and expenses are covered for a merchandising business. Financial papers (journals, ledgers, subsidiary ledgers) are covered for this type of business.

The ability to work on a continuous flow with the intentions of relating one area of concentration to another is needed.

The course guides as an introduction for different majors of accounting allowing the students to make future choices.

**Title: Business I**

Length & Credit: 1 semester / 0.5 Credit

Grade: 10

Prerequisite: None

This course provides an overview of the business world. Topics include the basic principles and practices of contemporary business. Upon completion, students should be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects. Understanding Business introduces the world of business through a survey of fundamental concepts and challenges – managing change, economics, ethics and social responsibility, management and leadership, marketing, human resources, entrepreneurship, and global trade. This course is designed to give students a full view of the business umbrella, as well as assist them in determining an area or two of business in which they would like to concentrate throughout their studies.

**Title: Business II**

Length & Credit: 1 semester / 0.5 Credit

Grade: 10

Prerequisite: Completion of Business I

This course cultivates a deeper understanding of the business world. It includes topics that demonstrate how organizations are managed and directed in real life. Upon completion, students will be prepared to apply business fundamental concepts professionally in the business workforce or independently as entrepreneurs; by giving them the opportunity to explore how businesses manage change, take management and leadership decisions, solve marketing and human resources problems, and take entrepreneurial risks. This course is designed to give students a working knowledge of business, as well as assist them in determining an area or two of business in which they would like to concentrate throughout their studies and career.

**Title: Marketing 1**

Length & Credit: 1 semester / 0.5 Credit

Grade: 11

Prerequisite: None

Marketing Essentials introduces the theory and practice of marketing and explains the core functions of marketing. The program is correlated to the latest national marketing standards, incorporates academic content and research-based reading strategies throughout the text. The book focuses on the growth of online advertising and strategies, decline of print newspapers, social media marketing strategies, privacy and identity protection, and web analytics.

Marketing Essentials introduces the students to the fundamentals of marketing, retailing, and selling/service business as well as basic economic concepts. Topics covered will include the marketing plan, skills for marketing, promotion, competition, ethics and social responsibility. The goal of this course is to enable students to understand and apply marketing, management and entrepreneurial principles to make rational economic decisions and to exhibit social responsibility in a global economy. The course also allows the students to develop their communication, interpersonal and leadership skills.

**Title: Marketing 2**

**Length & Credit: 1 Semester / 0.5 Credit**

**Grade: 12**

**Prerequisite: Completion of Marketing 1**

This course develops the primary components of marketing. The basic idea of effective marketing is simple: It is about putting the right product or service in the place, at the right time, and at the right price. The difficult part is doing this well. Students will learn how marketers deliver value in satisfying customer needs and wants, determine which target markets the organization can best serve, and decide upon appropriate products, services, and programs to serve these markets. Students will be challenged to analyze ethical implications of various marketing practices. Subjects covered include consumers, market research and target markets, feasibility analysis, products, promotion, price planning, pricing strategies, international marketing, and use of technology in marketing. The course also allows the students to develop their communication, interpersonal and leadership skills.



# AL ITTIHAD NATIONAL PRIVATE SCHOOL

High School Tracks

2023/2024

***Advance Track – Medical Field***

Grade 9

Grade 10

Grade 11

Grade 12

Advanced  
Biology

Advanced  
Chemistry

AP Chemistry  
Or  
AP Biology

Advanced  
Physics

AP Physics  
  
AP Calculus

*Advance Track – Engineering Field*

Grade 9

Grade 10

Grade 11

Grade 12

Game Design

Fundamentals  
of Physics

Advanced  
Chemistry

AP Chemistry

App  
Development

Environmental  
Science 1

Computer  
Science

AP Physics

AP Calculus

Environmental  
Science 2

Artificial  
intelligence

Engineering  
Design



*Advance Track – Science Field*

Grade 9	Grade 10	Grade 11	Grade 12
Game Design	Advanced Biology	Advanced Chemistry	AP Chemistry
App Development	Fundamentals of Physics	Computer Science	AP Physics
	Environmental Science 1	AP Physics	AP Calculus
	Environmental Science 2	Artificial Intelligence	Engineering Design
		Health and Nutrition 1	AP Biology
		Health and Nutrition 2	

*General Track - Business*

Grade 9	Grade 10	Grade 11	Grade 12
	Business I	Accounting I	Marketing I
	Business II	Accounting II	Marketing II

***General Track – Design & Innovation***

Grade 9	Grade 10	Grade 11	Grade 12
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Game Design	Theater, Cinema, and film production	Computer Science Principles	Engineering Design
App Development	Media/Film Production	Artificial intelligence	Art History
		Studio Art & Design	

***General Track – Humanities & Language***

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
English Writer's Lab  Public Speaking	Theater, Cinema, and film production  Media/Film Production	Creative writing  ..... Geography	Journalism 1  Journalism 2  Ancient History  Art History