



# Al Salam Day School

## Al Salam College Preparatory School

### Curriculum - Course Description - Guide



## **Al-Salam Day School: ELEMENTARY (K-5th) Grade Curriculum Overview**

At **Al-Salam Day School**, we provide a dynamic, Islamic-centered learning environment where students grow spiritually, academically, and socially. Our curriculum is designed to integrate **Islamic values** alongside a rigorous academic framework, ensuring that students not only excel in their studies but also develop strong moral character rooted in Islamic teachings. Through engaging, hands-on learning experiences, students are encouraged to become critical thinkers, problem-solvers, and lifelong learners who embody the principles of Islam.

<b><u>ADS/ACP High School Diploma Requirements</u></b>	
<b>English</b>	<b>4 Credits</b>
<b>Math</b>	<b>3 Credits</b>
<b>Science</b>	<b>3 Credits</b>
<b>Social Studies</b>	<b>3 Credits</b>
<b>Language</b>	<b>2 Credits</b>
<b>Islamic Studies</b>	<b>4 Credits</b>
<b>Qur'anic Studies</b>	<b>4 Credits</b>
<b>Career &amp; Technical Education</b>	<b>1.5 Credits (must include Personal Finance)</b>
<b>Fine Arts</b>	<b>1 Credit</b>
<b>Health</b>	<b>½ Credit</b>
<b>Physical Education</b>	<b>1 Credit</b>
<b>Required Exam</b>	<b>MO/US Constitution, American Civics Assessment</b>

***\*Each semester, each class is ½ credit. One full year of a class is 1 credit\****

## ACP Courses Offered:

- Mathematics:
  - Algebra I\*
  - Algebra II\*
  - Pre-Calculus\*
  - Calculus\*
  - AP Statistics\*
- English:
  - English I\*
  - English II\*
  - English III\*
  - English IV\*
- Science:
  - Physical Science\*
  - Chemistry\*
  - Biology\*
  - AP Physics\*
- Social Studies:
  - US History\*
  - World History\*
  - Government\*
- Foreign Language:
  - Arabic I
  - Arabic II
  - Arabic III
  - Arabic IV
- Islamic Studies:
  - Mishkah University Dual Enrollment
- Qur'anic Studies:
  - Qur'an I
  - Qur'an II
  - Qur'an III
  - Qur'an IV
- Electives:
  - Health
  - Personal Finance
  - Physical Education
  - Career Management
  - Fine Arts
  - Computer science
  - Graphic Arts
  - Photography
  - ACT Prep

**\*\*AP (Advanced Placement) and Honors classes are offered with specific requirements. \*\***

# Mathematics:

## **Course Name: Algebra I**

**Credit Earned:** 1 credit (full-year course)

**Description:** The main objective of Algebra 1 is to assist students in transitioning from concrete mathematical concepts to abstract algebraic generalizations. The curriculum covers solving equations and inequalities, Linear Equations, Systems of linear equations and inequalities, Piecewise Functions, Exponents, and Exponential Functions, Polynomials and factoring, Quadratic functions, Solving quadratic equations, Working with functions, and Statistics. A heightened comprehension of these concepts will equip students to better comprehend and address the dynamic challenges of our ever-evolving world.

## **Course Name: Algebra II**

**Credit Earned:** 1 credit (full-year course)

**Description:** This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. It also introduces matrices and their properties. The content of this course is important for students' success on both the ACT and college mathematics entrance exams.

## **Course Name: Pre-Calculus**

**Credit Earned:** 1 credit (full-year course)

**Description:** This course is designed to prepare students for college-level mathematics. Students will describe, analyze, and graph basic algebraic and transcendental functions. Students will also study Functions and their graphs, Polynomial and rational functions, Exponential and logarithmic functions, Trigonometric functions of angles, Trigonometric functions of real numbers, Analytic Trigonometry, Vectors, System of linear equations and inequalities, Conics, Sequences and series, and Limits.

## **Course Name: Calculus**

**Credit Earned:** 1 credit (full-year course)

**Description:** Introduction to plane analytic geometry and basic differential and integral calculus with applications to various areas.

Students will learn a basic understanding of the limit concept, graphical and algebraic limits problems, continuity, and differentiation. The ability to use differentiation techniques. Obtain the ability to apply differentiation to solve optimization problems. Understanding the concept of integral and the use of integrals to find the area between two curves. Also gain an understanding of basic integration techniques: Substitution Method.

## **Course Name: AP Statistics**

**Credit Earned:** 1 credit (full-year course)

**Description:** This Advanced Placement course is for students who wish to complete the equivalent of an introductory, non-calculus-based, college course in statistics. Students gain experience in four broad themes: exploring data, planning a study, anticipating patterns, and statistical inference. Students who are interested should contact their counselor regarding the process for enrolling in the course.

## English:

### **Course Name: English I**

**Credit Earned:** 1 credit (full-year course)

**Description:** In this course, students will explore a range of literary genres united by impactful themes in the world. These genres encompass short stories, storytelling, poetry, spoken word, performance literature, novels, and non-fiction. Students will enhance their ability to read for extended periods and improve their comprehension and analytical skills, establishing personal and global connections within and between texts. Approaching texts both as readers and writers, students will refine their writing skills, emphasizing meaningful processes in exploring topics and evidence, and aligning organizational structures or forms with audience and purpose. Effective communication skills will be practiced through writing, audio composition, speaking, collaboration, and listening.

### **Course Name: English II**

**Credit Earned:** 1 credit (full-year course)

**Description:** In this course, students will engage with literature that captures diverse perspectives, spanning genres such as memoirs, poetry, short stories, performance literature, narrative nonfiction, and novels. Objectives encompass expanding students' reading experiences, enhancing reading endurance, refining analysis skills across and within texts, and establishing connections between the literary world and broader contexts. The composition component remains dedicated to honing the art of writing, fostering each student's self-reliance as a writer through authentic tasks that seamlessly integrate various writing modes to suit audience, purpose, and style in creative writing, academic writing, research, and digital composition.

### **Course Name: English III**

**Credit Earned:** 1 credit (full-year course)

**Description:** In this course, students will explore literature that reflects the ideologies, institutions, and shifts in American identity across diverse perspectives and voices throughout history. Genre studies encompass humor and satire, the essay, and the novel. Students will interact with texts as readers, researchers, and writers, progressively building their reading endurance and engaging with increasingly complex literary works. Objectives also involve establishing connections between history, culture, institutions, ideologies, themes, and literary movements. As writers, students persist in refining their independent writing skills through authentic tasks in creative writing, academic writing, research, and digital composition.

### **Course Name: English IV**

**Credit Earned:** 1 credit (full-year course)

**Description:** In this course, students will delve into literature that serves as a conduit for exploring the essence of literature as a representation of the human experience. Genres covered will encompass voices of agency, academic and social criticism, poetry, short stories, performance literature, nonfiction, and novels. Students will interact with texts as readers, researchers, critical thinkers, and writers, continually enhancing their reading endurance and grappling with progressively intricate texts. Regarding their role as writers, students will perceive their writing as extensions of themselves and instruments of influence. They will approach their craft with a keen awareness of the subtleties of

language, style, and structure to effectively convey specific messages to diverse audiences. Student writers will demonstrate the ability to make informed, independent decisions about their writing process and produce high-quality research and digital compositions.

## **Science:**

**Course Name:** Physical Science - Matter & Change

**Credit Earned:** ½ credit (1st-semester course 9th gr)

**Description:** This course will include a study of physical and chemical changes, properties of matter, phase changes, atomic structure, the periodic table, laws of conservation of matter as well as the history of chemistry. Safety in the laboratory, the experimental process, graphing, and metric measurement will be an integral part of this laboratory-intensive course. Collaboration among students, along with discussions and cooperation, will be a regular occurrence during laboratory sessions and mathematical problem-solving classes. The course will include frequent open-ended laboratory experiences that demand collaborative efforts and the execution of multi-step problem-solving skills.

**Course Name:** Physical Science - Forces in Motion

**Credit Earned:** ½ credit (2nd-semester course 9th gr)

**Description:** This course will cover laboratory safety, measurement, scientific inquiry, graphical analysis, the study of forces and motion in one dimension, work, power, machines, and energy. Collaboration among students, along with discussions and cooperation, will be a regular occurrence during laboratory sessions and mathematical problem-solving classes. The course will include frequent open-ended laboratory experiences that demand collaborative efforts and the execution of multi-step problem-solving skills.

**Course Name:** Biology

**Credit Earned:** 1 credit (full-year course)

**Description:** The central theme of this course revolves around understanding the foundation of life and its variations. Students will engage in controlled experiments using the experimental design process. The curriculum covers biochemistry, prokaryotic and eukaryotic cells, cell environments, aspects of cell division, Mendelian genetics, meiosis, and the unity and diversity of life. Evolution through natural selection will be explored to understand the unity and diversity of life. The course delves into the structure and replication of DNA, protein synthesis, and the interdependence of all living things, emphasizing ecological processes and human impact on the biosphere. Students will be introduced to processes like photosynthesis and respiration, and concepts such as DNA fingerprinting and genetic engineering will be investigated. The exploration and comparison of plants and animals, including humans, will occur at both the system and molecular levels. Laboratory activities will play a significant role in presenting these topics, focusing on process and thinking skills.

**Course Name: Chemistry****Credit Earned:** 1 credit (full-year course)

**Description:** The subjects covered encompass atomic structure and its history, The Periodic Table and periodicity, bonding and nomenclature, the mole and stoichiometry, states of matter, kinetic molecular theory, thermochemistry, acids and bases, and solutions. The course emphasizes group interaction, discussions, and collaboration during laboratory sessions and mathematical problem-solving classes. Students can expect regular open-ended lab experiences that demand collaboration, the use of technology, and the execution of multi-step problem-solving skills.

**Course Name: AP Physics****Credit Earned:** 1 credit (full-year course)

**Description:** Utilizing advanced algebra and trigonometry, physics explores the following subjects: forces, motion in one- and two-dimensions, energy and momentum, gravitation, mechanical waves, light and optics, and electricity. Through activities and laboratory investigations, students will actively explore these topics, gaining hands-on experiences in the process.

## Social Studies:

**Course Name: Modern World History****Credit Earned:** 1 credit (full-year course)

**Description:** In this course, students will trace the development of world history from the Renaissance to the twenty-first century. Emphasis will be placed on refining the traditional Western or Eurocentric overall scheme, which tends to engender a we/them dichotomy, toward a more balanced inquiry into achievements and interactions among European, Near Eastern, African, Indian, Far Eastern, and American sociocultural orders. Likewise, emphasis will be placed on ordinary lives as lived within these orders in addition to the more conventional coverage of political-economic leaders. The study begins with an exploration of a set of thought-provoking Quranic and other definitions and rationales of history as a discipline, and of a historian's toolbox with which to approach critical reading comprehension, sound thesis construction with evidentiary support, and in-depth and respectful discussion and debate. A prominent through-line in this course will be that students will work on cultivating their skills of empathy, defined as a learned ability to grasp the world from someone else's point of view, requiring 1) a disciplined reaching out for the political, economic, social, and individual identity of someone, and 2) extending an open heart toward someone, allowing us to be able to walk a bit in this person's shoes. This will be a skill practiced amongst each other as members of our learning community and offered toward the forebears we encounter through our historical sources.

**Course Name: Modern US History****Credit Earned:** 1 credit (full-year course)

**Description:** The US History course offers an overview of the latter portion of American history spanning from the late 1800s to the present day, maintaining coherence with the 8th-grade American History curriculum. This class delves into political, economic, geographical, and social advancements of the modern era, encouraging an examination of diverse viewpoints on intricate issues. The emphasis is on fostering inquiry-based learning and honing critical thinking abilities to equip students

for college, career, and civic involvement. The curriculum involves the cultivation of historical thinking skills, encompassing the examination and analysis of primary and secondary sources, the systematic organization of information, and the construction of articulate written responses and arguments.

**Course Name: Government**

**Credit Earned:** 1 credit (full-year course)

**Description:** In this course, students extensively explore the federal and state systems, structures, principles, and historical underpinnings of government. Emphasis is placed on understanding the role of economics, social structures, individual perspectives, interest groups, and foreign influences in American politics. Students will engage in critical thinking regarding issues related to the U.S. government, the impact of decision-making on various individuals and groups, and their responsibilities as active citizens. Successful completion of this course is a graduation requirement. In compliance with Missouri law, all Parkway students must pass examinations assessing their knowledge of the United States and Missouri Constitutions, which are administered during this course.

**Foreign Language:**

**Course Name: Arabic I - IV**

**Credit Earned:** 1 credit each year (full-year course)

**Description:** This course aims to provide students with the chance to cultivate proficiency in the Arabic language and its associated culture, enabling them to acquire essential skills, knowledge, and attitudes for navigating a multi-lingual, multi-cultural global environment. Reading, writing, and conversing appropriate to the level of the student using new vocabulary words learned throughout the year.

**Islamic Studies:** Four years of Islamic Studies are required for graduation from Al Salam Day School

**Course Name: Mishkah University - Dual Enrollment**

**Credit Earned:** 1 credit each year (full-year course)

**Description:** The Dual Enrollment program provides a rigorous, college-level Islamic studies curriculum for contracted Islamic High Schools, in the English Language. This program will enable high school students (grades 9-12) to receive credit for courses offered at Mishkah University towards an Associates degree. Through it, Mishkah seeks to encourage high school students to complete comprehensive, college-level, Islamic Studies classes during their four years of high school, and open a path for higher Islamic education. Topics include Analytical Tafseer of the Qur'an, Biography of Prophet Muhammad (saw), Dawah: Methodology and Practice, Family Law, Fiqh of Contemporary issues, Fiqh of Hadith, Islamic Creed, and more. Mishkah will recognize the students' academic achievements by evaluating their final exam scores and granting credit for the courses they take. During these challenging times, this is a unique opportunity for youth in the West to hold fast to the rope of Allah through authentic Islamic education.

**Qur'anic Studies:** Four years of Qur'anic studies are required for graduation from Al Salam Day School.

**Course Name:** Qur'an I - IV

**Credit Earned:** 1 credit each year (full-year course)

**Description:** Darul Quran has developed a thematic and stage-based Quran curriculum for students in grades 9-12, spanning from beginners to advanced honors level. The curriculum is organized into four stages, each with specific requirements and selected chapters (Surahs) for study. The curriculum aims to assess students' levels and place them accordingly, recognizing the diversity in their Quranic knowledge and memorization abilities. Students are divided based on their proficiency, and the curriculum benchmarks their progress, ensuring a systematic and comprehensive approach to Quranic education.

## **Electives:**

**Course Name:** Health

**Credit Earned:** ½ credit (half-year course)

**Description:** This comprehensive course includes the topics of personal wellness, nutrition, safety and first aid, disease prevention, healthy relationships, substance abuse and prevention, and community/environmental/mental health; with Islamic values and teachings in place. Including evidence-based medical and Islamic information. This course meets the 1/2 credit Health Education requirement for Missouri, High School graduation.

**Course Name:** Personal Finance

**Credit Earned:** ½ credit (half-year course)

**Description:** Comprehending and effectively handling personal finances is crucial in achieving future financial success. This single-semester course aligns with the Missouri Personal Finance Competencies, providing fundamental knowledge and skills necessary for making informed decisions about real-world financial matters. Students will grasp how their choices impact career possibilities and future earnings. Additionally, they will develop decision-making skills to assess career options and establish personal goals. The course content is structured to empower learners to make prudent decisions regarding spending, saving, and credit, and to enable them to use their income effectively to attain personal financial success.

**Course Name:** Physical Education

**Credit Earned:** ½ credit (half-year course)

**Description:** PE devotes an increased amount of time to exposing students to a wide range of sports skills and lifetime activities. Students utilize physical fitness assessments to create goals, track growth and improvement, as well as develop health and fitness. In all areas, more emphasis is centered on identifying the purpose of safe practices, rules, procedures, and sportsmanship.

**Course Name:** Fitness

**Credit Earned:** ½ credit (half-year course)

**Description:** In this course, students will participate in a variety of activities in which they will demonstrate and apply complex motor skills, movement concepts, and skill-related components of fitness, safety, teamwork, and sportsmanship. Students will take a look at individual health behaviors and analyze current health and fitness plans by assessing fitness in the components of health-related fitness. Students will demonstrate their ability to set and adjust individual fitness goals and to create a personal health and fitness plan based on their needs to improve. Students will also identify barriers to physical activity and strategies to overcome those barriers to maintain a physically active lifestyle.

**Course Name: Career Management**

**Credit Earned:** ½ credit (half-year course)

**Description:** Career Management is a semester-length high school course that assists students in their preparation for career selection and development. The course is designed to improve workforce skills needed in all careers including communication, leadership, teamwork, decision-making, problem-solving, goal-setting, and time management. Topics include personality exploration, career and college research, resume and personal statement writing, public speaking, presentation, and interview skills.

**Course Name: Fine Arts**

**Credit Earned:** ½ credit (half-year course)

**Description:** This course offers students the chance to create projects by applying their knowledge and understanding of the elements of art and principles of design. Through this course, students engage in the creative problem-solving process, acquire technical skills across various media, and develop the ability to verbally assess both their work and that of their peers.

**Course Name: Computer Science**

**Credit Earned:** ½ credit (half-year course)

**Description:** This class aims to offer students a robust initiation into programming languages, furnishing them with a foundational understanding of software development essentials. The focus is on cultivating skills in crafting problem-solving algorithms and logical reasoning.

**Course Name: Graphic Arts**

**Credit Earned:** ½ credit (half-year course)

**Description:** In this course, students will generate diverse documents employing industry-standard software, incorporating graphic elements, and adhering to effective design principles. This course aims to equip students with the skills to create documents that communicate efficiently through the application of sound design practices. Students will gain proficiency in producing and printing both personal and professional publications using industry-standard software. Prior completion of Integrated Computer Literacy, Web Design, or Microsoft Office, along with basic computer knowledge such as file handling, word processing, and keyboarding, is highly recommended.

**Course Name: Photography**

**Credit Earned:** ½ credit (half-year course)

**Description:** This course incorporates photography and the elements and principles of design. The students have to make project boards representing each element, using photographs that they have taken which show the element in different ways. The students take organic and geometric photos of different things in nature that reflect the element. For example, roadways show lines, and clouds can show shape. The photographs have to use the different rules of composition and principles of design.

**Course Name:** ACT Prep

**Credit Earned:** ½ credit (half-year course)

**Description:** This class is designed to help students do their best on the ACT test. In this class, students will complete practice tests from retired ACT test questions administered on a national test date. These practice tests include writing prompts, sample answer documents, answer keys, and self-scoring instructions. By taking these practice tests students will be familiar with the test, what they measure, and the strategies that can be used to do well on the test day.