

## Fifth Grade Curriculum

Students in the Fifth Grade Program at Al Nur School explore the concepts listed below. Children learn these concepts at their own pace. Children are taught with hands-on materials, as well as with traditional methods.

### Goals

- Provide a safe and loving environment for all children
- Foster a sense of self-confidence and well being in each child
- Expose children to and build a love for grade appropriate reading, math, science, Arabic, Quran, social skills, art, and movement
- Provide physical activities to facilitate gross and fine motor development
- To develop in children and parents a positive attitude towards self, others, school and learning

### Math

Fifth grade Math students explore complex mathematical operations and apply concepts to real-world problems. Students will:

- Continue to develop computational skills using larger numbers up to billions
- Estimate sums and differences before finding exact solutions
- Expand understanding of and facility with basic arithmetic operations applied to fractions
- Explore and connect the concepts of ratio, proportion, and percent to fractions
- Develop computational skills using decimals
- Develop abilities to analyze and solve word problems involving basic arithmetic operations and various number systems (fractions, decimals, ratios, percents)
- Relate English and metric units of measure to length, capacity, weight, and temperature
- Expand understanding of statistics, probability, and graphical representations of data
- Estimate sums and differences before finding exact solutions.
- Develop concepts of ratio, proportion, and percent.
- Identify and apply characteristics of polygons, circles, and triangles..

### Language Arts

This course provides structured lessons on composition, vocabulary, grammar, usage, and mechanics. Through emphasis on spelling, students learn relationships between sounds and spellings in words and affixes. Lessons are designed to develop comprehension, build vocabulary, and help students become more independent and thoughtful readers.

## LANGUAGE SKILLS

- **Composition**—Students practice writing, from planning to proofreading, as they write a memoir, an editorial, a research paper, a business letter, and more
- **Grammar, Usage, and Mechanics**—Students learn about parts of speech, punctuation, and research skills. They continue sentence analysis and diagramming
- **Vocabulary**—The Vocabulary Workshop helps students enrich their vocabulary, develop word analysis skills, and prepare for standardized tests
- **Spelling**—Students learn sound-symbol relationships and spelling patterns, identify affixes and how they affect the meaning of words, and recognize base words and roots in related words

## LITERATURE

Students analyze, compare, and creatively respond to a variety of works. The emphasis is on classic works, including tales of Robin Hood and St. George; selections from *Don Quixote* and Shakespeare's *The Tempest* and *A Midsummer Night's Dream*; "Rip Van Winkle" and "The Legend of Sleepy Hollow"; and Sherlock Holmes mysteries. Students read works of nonfiction, as well as four novels (selected from a long list of such classics as *Pippi Longstocking*, *Call It Courage*, and *The Lion, the Witch, and the Wardrobe*).

## Science

Students perform experiments, develop scientific reasoning, and recognize science in the world around them. The fifth grade science curriculum focuses on Life, Earth, and Physical Sciences which includes units on:

- Living Systems
- Interactions in Nature
- Processes that change the Earth
- Cycles on Earth and in Space
- Matter and Energy
- Forces and Motion

## Social Studies

In Fifth Grade, students learn about the history of the United States from its early beginnings to the present with a focus on colonial times through the 20th century. Historical content includes the colonial and revolutionary periods, the establishment of the United States, and issues that led to the Civil War. An overview of major events and significant individuals of the late-19th century and the 20th century is provided. Students learn about a variety of regions in the United States that result from physical features and human activity and identify how people adapt to and modify the environment. Students explain the characteristics and benefits of the free enterprise system and describe economic activities in the United States. Students identify the roots of representative government in this nation as well as the important ideas in the Declaration of Independence and the U.S. Constitution. Students recite and explain the meaning of the Pledge of Allegiance. Students examine the importance of effective leadership in a democratic society and identify important leaders in the national government. Students

examine fundamental rights guaranteed in the Bill of Rights. Students describe customs and celebrations of various racial, ethnic, and religious groups in the nation and identify the contributions of famous inventors and scientists. Students use critical-thinking skills including sequencing, categorizing, and summarizing information and drawing inferences and conclusions.

## **Technology**

- Use computer programs to create and write picture stories
- Use a computer mouse: click, click and drag
- Use the Internet to explore kid-friendly websites
- Acquire technology skills as outlined in the TEKS

## **Quran Memorization Program:**

### **Quran**

- Develop the love of Quran and a motivation to memorize it.
- Know the right etiquette for learning Quran and learn to respect it.
- Continue memorizing the Quran starting from where the student left off.
- Revision of past surahs previously memorized.
- Understand meanings of the Surahs with the help of stories, pictures, and plays.
- Improve on Quran recitation and pronunciation.
- Learn how to read and write the Ayahs they are memorizing.

### **Arabic Grammar and Islamic Studies**

- Arabic grammar is taught through a customized curriculum which enhances their understanding and reading of the Surahs they are memorizing.
- Islamic Studies is customized to the Surahs that the student are memorizing by having them understand the meanings of the verses in the Quran as well as deriving lessons from those verses.
- The Islamic Studies curriculum also incorporates Islamic manners and concepts which will enhance the student's understanding and character development and leadership skills.
- The boys will be trained to write and deliver Friday Khutbahs and be given the opportunity to lead daily salat.