What every SECOND GRADE student should know and be able to do!

A Message To The Reader

This resource provides an overview of the Mesa Public Schools’ expectations for second grade students in the areas of English Language Arts, Mathematics, Science, and Social Studies in order to be prepared for third grade.

The expectations listed are summarized from the Mesa Public Schools’ curriculum, which is aligned with Arizona’s Common Core Standards. These performance standards have increased in rigor from past years and reflect the goals of the educational community to ensure all students receive an education essential to success in our local and global communities. For an additional source of information, go to the National Parent Teacher Association (PTA), http://pta.org/files/2nd%20Grade%20June20.pdf

ENGLISH LANGUAGE ARTS

The goal of MPS is for every child to be successful and independent as he/she reads, writes, speaks, listens, and uses language. Recognizing the importance of reading practice, it is necessary to read to your child, read with your child, and encourage your child to read independently every day. It is equally important to support your child as he/she expresses ideas in writing. Students should know and be able to …

Phonics and Word Recognition
- read two-syllable words with long and short vowels
- read words with vowel team patterns
- read words with common prefixes and suffixes
- read irregularly spelled words

Fluency
- read grade level text with purpose and understanding
- read grade level text with accuracy, appropriate rate, and expression

Literature (fiction)
- ask and answer questions about key details in texts
- recount stories and include the main topic, central message, or moral
- describe how the characters respond to major events in a story
- describe how words and phrases supply rhythm and meaning
- describe the overall structure of a story
- acknowledge different points of view of characters
- compare/contrast two or more versions of the same story

Informational Text (nonfiction)
- ask and answer questions about key details in texts
- identify the main topic and key details of a multi-paragraph text
- describe connections between a series of historical events, scientific ideas, or procedural steps
- use various text features to locate key facts or information efficiently
- describe reasons an author uses as support
- identify the main purpose of a text
- compare and contrast important points of two texts on the same topic

Writing
- write an opinion and supply reasons that support the opinion
- write about a topic and use facts and definitions to develop points

Writing continued
- write narratives to recount an event with actions, thoughts, and feelings
- arrange sentences in a logical order, use transition words and provide a concluding statement or closure
- revise and edit with support
- create shared research and writing projects
- use technology and digital resources to produce and publish writing

Speaking and Listening
- participate in small and large group discussions about an assigned topic or text using agreed-upon rules
- build on others’ talk in conversations
- ask and answer questions about what a speaker says in order to get information, seek help, or for clarification
- present information orally or through various media

Conventions
- use collective and irregular plural nouns, irregular verbs, adjectives, adverbs, and reflexive pronouns
- write simple and compound sentences with correct capitalization and punctuation
- use commas correctly in greetings and closings of letters
- use apostrophes to form contractions and possessives
- spell grade-appropriate words correctly consulting references as needed
- compare formal and informal uses of English

Vocabulary
- learn new meanings of unknown and multiple-meaning words
- use knowledge of prefixes in changing the meaning of words
- use glossaries and dictionaries to determine the meaning of words
- make real-life connections, and distinguish shades of meaning
- use words and phrases acquired through conversations and reading
MATH

The goal of MPS is for every child to develop a deep understanding of mathematical concepts and procedures, while discovering connections to other subjects through real-life problem solving.

Students should know and be able to …

**Operations and Algebraic Thinking**
- add and subtract within 100, using strategies, equations, and in word problems
- add and subtract with accuracy and speed within 20
- have a foundation for multiplication using models

**Number and Operations in Base Ten**
- understand place value through 1000
- read and write numbers to 1000
- use place value understanding and properties of operations to add and subtract within 1000

**Measurement and Data**
- measure and estimate lengths using customary and metric units

**Measurement and Data continued**
- tell and write time to the nearest 5 minutes using a.m./p.m.
- count money/solve word problems with money
- represent and interpret picture graphs, bar graphs, and line plots

**Geometry**
- recognize and draw shapes having specific attributes
- partition circles and rectangles into equal shares

**Mathematical Practices**
Students will apply the eight Standards for Mathematical Practice such as problem solving, modeling, and logical reasoning to solve math problems.

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SCIENCE

Students should know and be able to …

**Inquiry Process**
- formulate questions and predict results
- participate in guided investigations
- follow safe science procedures
- use simple tools to collect data
- record data in an organized format
- construct reasonable explanations
- compare results to predictions
- generate further questions
- communicate results of observations

**History and Nature of Science**
- understand that all people can/do participate in science
- identify science-related careers
- identify parts and characteristics of a familiar system

**Personal and Social Perspectives**
- analyze how technologies impact lives
- describe technological contributions past and present

**Personal and Social Perspectives continued**
- identify a simple problem that can be solved with a simple tool

**Life Science**
- identify and describe major parts and functions of the digestive, respiratory, and circulatory systems
- describe and compare life cycles of insects, mammals, and organisms
- identify animal structures that serve different functions

**Physical Science**
- classify materials as solids, liquids, or gases
- demonstrate water can exist in various forms

**Earth and Space Science**
- measure and record weather conditions
- identify cloud types
- analyze the relationship between clouds, temperature, and weather patterns

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SOCIAL STUDIES

Students should know and be able to …

**American History (These skills are repeated in World History.)**
- place life and historical events on a timeline, and retell stories to describe past events *
- use primary and secondary source materials, and connect current events with historical events *
- recognize prehistoric Native American mound-building cultures
- describe how colonists demonstrated their discontent with British Rule
- discuss key people in gaining independence
- discuss what led to the Constitution and Bill of Rights
- identify reasons for immigration and westward movement, and experiences of moving west
- discuss effects of Westward Expansion on Native Americans
- recognize current Native American tribes in the U.S.

**World History**
- recognize that civilizations developed in China, India, and Japan and their contributions
- describe the effects of expanding trade
- recognize that people challenged their form of government

**Civics/Government**
- identify national symbols, icons, songs, and holidays
- recognize U.S. Constitution provides common laws and protects rights
- identify three branches of government
- identify current President, Governor of Arizona, local leaders
- identify examples of responsible citizenship and its rights and responsibilities

**Geography**
- recognize different types of maps
- interpret political and physical maps
- construct maps of a familiar place with key map elements
- discuss human settlement patterns, economic activities, and land use of areas studied
- discuss elements of culture in area studied

**Economics**
- discuss scarcity and opportunity cost of a choice
- identify differences among natural, human, and capital resources
- recognize people trade for goods and services
- compare use of barter and money
- discuss costs and benefits of personal savings

For more information or to view the complete curricula contact your teacher or Curriculum Services Center, 549 North Stapley Drive, Mesa, Arizona 85203-7297
www.mpsaz.org  (480) 472-0340

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