



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

A Message To The Reader

This resource is provided by Mesa Public Schools. It contains the second grade expectations for English Language Arts, Mathematics, Science, and Social Studies. The goal for Mesa Public Schools is to help all students be successful and ready to move forward to the next grade level.

These skills and expectations are aligned to the Arizona Standards and our district adopted curriculum. Each standard builds on the standard that came before and toward the standard that comes in the next grade level.

For additional information on grade-level readiness, please visit the National Parent Teacher Association, <https://www.pta.org/docs/default-source/uploadedfiles/2nd-grade-june20>

ENGLISH LANGUAGE ARTS

The 2016 Arizona English Language Arts standards include reading and writing foundational skills to help put your child on the path to academic success. Daily reading and writing practice is an important component for grade-level readiness.

Students should know and be able to . . .

Phonics and Word Recognition

- read two-syllable words with long and short vowels
- know spelling-sound correspondences for vowel teams
- identify and apply all six syllable types
- read words with common prefixes and suffixes
- read irregularly spelled words

Fluency

- read grade level text with purpose and understanding
- read grade level text orally with accuracy, appropriate rate, and expression on successive readings

Literature (fiction)

- ask and answer questions to demonstrate understanding of key details in a text
- recount stories and determine the main topic, central message, lesson, 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 to demonstrate understanding of key details in texts
- identify the main topic 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
- 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

Sound-letter Basics and Handwriting

- transcribe ideas in manuscript with proper spacing
- write the most common letter(s) for each sound

Spelling

- spell on-level, regular, single-syllable words that include less common vowel teams, vowel-r combinations, and contractions
- spell two- and three-syllable words that include familiar compound words, and the most common prefixes and suffixes

Writing

- write opinion pieces in which they introduce a topic, state an opinion, supply reasons for the opinion, use linking words and provide a sense of closure
- write informative pieces in which they name a topic, use facts and definitions, and provide a concluding statement
- write narratives in which they recount a well-elaborated event, include details, use temporal words, and provide a sense of closure
- produce writing in which the development and organization are appropriate to the task and purpose
- focus on a topic and strengthen writing as needed by revising and editing
- use a variety of digital tools to produce and publish writing
- create shared research and writing projects

Speaking and Listening

- participate in collaborative conversations, responding to the comments of others through multiple exchanges
- 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
- tell a story with appropriate facts and relevant details, speaking audibly in coherent sentences

Language

- use collective and irregular plural nouns, irregular verbs, adjectives, adverbs, and reflexive pronouns
- use capitalization, punctuation, and spelling when writing
- compare formal and informal uses of English
- clarify the meaning 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

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

- determine if a number is odd or even (through 20)
- add and subtract within 100, using strategies, equations, and word problems with one and two steps
- 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
- 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

- identify, describe and draw shapes having specific attributes
- partition circles and rectangles into two, three and four 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.

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

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