



What every THIRD 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 third 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/3rd-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

- know the meaning of the most common prefixes and suffixes
- apply knowledge of the six syllable types
- read grade-level appropriate irregularly spelled words

Fluency

- read grade-level text with purpose and understanding
- read orally with accuracy, appropriate rate, and expression
- use context clues to self-correct word recognition and understanding

Literature

- ask and answer questions referring explicitly to the text as the basis for the answers
- recount stories from diverse cultures; determine the central message, lesson, or moral
- describe characters in a story and explain how their actions contribute to the sequence of events
- determine the meaning of words and phrases in a text, distinguishing from literal and nonliteral language
- distinguish their own point of view from the narrator or characters
- explain how specific aspects of a text's illustrations contribute to what is conveyed by the words in a story
- compare and contrast stories written by the same author

Informational Text

- ask and answer questions referring explicitly to the text as the basis for the answers
- determine the main ideas and explain how the key details support the main idea
- describe the relationship between a series of historical events, scientific concepts, or procedural steps
- determine the meaning of academic words and phrases
- use text features and search tools to locate information
- distinguish their own point of view from that of the author
- use information from illustrations and the words in a text to demonstrate understanding
- describe the logical connection between sentences and paragraphs
- compare and contrast the important points and key details of two texts on the same topic

Sound-letter Basics and Handwriting

- read and write cursive letters, upper and lower case
- transcribe ideas legibly in cursive and manuscript, with appropriate spacing

Spelling

- identify language of origin for words
- spell singular and plural possessives
- combine all basic syllable types

Writing

- write opinion pieces with supporting reasons, linking words, and a conclusion
- write informative/explanatory pieces with information explained clearly, linking words, and a conclusion
- write narratives to develop real or imagined experiences with descriptive details, sequenced events, dialogue, and a conclusion
- produce clear and coherent writing
- strengthen writing as needed by revising and editing
- use technology and digital resources to produce and publish writing and to interact and collaborate with others
- conduct short research projects that build knowledge about a topic
- write routinely over extended and shorter time frames

Speaking and Listening

- come to discussions prepared and follow agreed-upon rules
- explain ideas and understanding related to the discussion
- ask and answer questions that expand on information from a speaker
- report on a topic or tell a story using appropriate facts and details, speaking clearly at an understandable pace
- use multimedia resources to emphasize or enhance presentation
- expand upon ideas using complete sentences

Language

- explain and understand the function of parts of speech
- form and use regular and irregular plural nouns
- use abstract nouns
- form and use regular/irregular verbs and simple verb tenses
- ensure subject-verb and pronoun-antecedent agreement
- produce simple, compound, and complex sentences
- use appropriate capitalization, punctuation, and spelling when writing
- choose words and phrases for effect
- determine the meanings of words using knowledge of affixes and roots
- use glossaries/dictionaries

MATH

The goal of MPS is for every child to be successful in developing the concepts and understanding of mathematics and to recognize the connections between mathematics and everyday life.

Students should know and be able to ...

Operations and Algebraic Thinking

- use estimation strategies to verify reasonableness of a calculation in a variety of situations
- understand the relationship between multiplication and division
- fluently multiply and divide with 100
- solve two step word problems using addition, subtraction, multiplication, and division
- identify and explain number patterns related to +, -, x, ÷
- fluently recall multiplication and division facts through 10x10

Number and Operations in Base Ten

- round whole numbers to the nearest 10 or 100
- fluently add and subtract with 1000
- multiply 1-digit whole numbers by multiples of 10

Number and Operations- Fractions

- develop an understanding of fractions as equal parts of a whole number
- represent fractions on a number line
- model, write, compare fractions and explain equivalence

Measurement and Data

- tell and write time to the nearest minute and solve word problems involving time
- solve word problems with money through \$20.00
- measure and estimate liquid volumes and mass using metric units
- measure length, area, and perimeter using U.S. customary and metric units
- use measurement data to create line plots
- create picture and bar graphs and use them to solve problems

Geometry

- categorize quadrilaterals using attributes
- partition shapes into parts with equal areas

Mathematical Practices

- 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

- make observations, ask questions, and predict results
- conduct a simple investigation using appropriate procedures
- record, organize, and analyze data
- draw conclusions from data and communicate results

History and Nature of Science

- describe history of science as a human endeavor including diversity of people and science-related careers
- explain how systems influence one another

Personal and Social Perspectives

- describe changes in environments
- describe the beneficial and harmful impact of natural events and human activities on the environment
- identify ways that people use tools to solve problems

Personal and Social Perspectives - *continued*

- describe the development of technologies
- design and construct a technological solution to a common problem

Life Science

- describe the function of plant structures
- compare life cycles of various plants
- examine and explain organisms and their environments
- identify and describe adaptations of plants and animals

Physical Science

- describe and demonstrate behavior of sound and light

Earth and Space Science

- identify layers of the earth
- describe metamorphic, igneous, and sedimentary rocks
- describe fossils

SOCIAL STUDIES

Students should know and be able to ...

American History (**These skills are repeated in World History.*)

- use *timelines, primary, and secondary sources to tell about past events**
- retell stories of those who fought for the freedoms of others, including events from the Civil War through 20th Century immigration
- discuss exploration, and settlement of the Southwest
- discuss European explorers, their discoveries, and impact in the New World
- discuss connections between American current events and historical events

World History

- describe past events, people, and places including the Ancient Greeks and Romans
- describe daily life in past times and places
- discuss European global explorations including the Northwest Passage
- discuss connections between world current events and historical events

Civics/Government

- describe national symbols and monuments and the significance of national holidays

Civics/Government - *continued*

- describe the diversity and varied backgrounds of people in the U.S.
- discuss the three branches of state government and how laws are made
- describe rights and responsibilities of citizenship
- understand the responsibility of contributing to a community and voting

Geography

- identify the characteristics and purposes of maps and globes and other geographic tools
- construct a map using all components of a map
- construct charts and graphs to display geographic information
- identify natural and human characteristics of places
- describe how physical and human characteristics of places change from past to present
- recognize how people depend on and use their environment
- describe changes over time in transportation and communication

Economics

- identify the foundations of economics: scarcity, opportunity costs, and goods and services
- discuss reasons for American produced vs. world produced goods