What every KINDERGARTEN Student should know and be able to do!

A Message to the Reader

This resource is provided by Salt River Schools. It contains the kindergarten expectations for English Language Arts, Mathematics, Science, and Social Studies. The goal for Salt River Schools is to help all students be successful and ready to move forward to the next grade level. These skills and expectations align to the Arizona Standards and our Division's 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 Arizona Department of Education site: https://www.azed.gov/standards-practices/

English Language Arts

The 2018 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 . . .

Reading Standards for Literature
- Understand key ideas, characters, and setting in a story or poem
- Ask and answer questions about stories and poems, such as who, what, when, where, why and how
- Retell key details from a story or poem
- Ask and answer questions about unknown words in a text

Reading Standards for Informational Text
- Ask and answer questions about the world around them
- Retell key details from an informational text
- Distinguish the key features in an informational text

Reading Standards: Foundational Skills
- Understand the organization and basic features of print
- Recognize and orally manipulate sounds
- Blend sounds to read written words with accuracy and fluency
- Read and recognize sight words and different kinds of syllable types
- Use phonics to write words and express thoughts and ideas in writing
- Use foundational skills to access a variety of texts

Writing Standards
- Use a combination of drawing, dictating, and writing to craft texts with different purposes
- Explore digital tools for effective communication
- Generate ideas for writing from reading stories, poetry, and informational texts
- Make connections across content areas into the world around them

Writing Foundations Standards
- Write upper and lowercase manuscript letters to communicate ideas
- Separate simple words into their syllables
- Write frequently used words

Speaking and Listening Standards
- Listen actively
- Speak in complete sentences for effective communication
- Share ideas with peers
- Ask and answer questions to clarify understanding

Language Standards
- Use common nouns and verbs
- Pluralize words by adding “s” or “es”
- Recognize and name end punctuation
- Sort common words into categories
- Use words and phrases learned from conversation and readings

Mathematics

The goal of Salt River Schools 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 …

Counting and Cardinality
- read and write numbers to 20
- count to 100 by ones and tens
- order and compare numbers to 10

Measurement and Data (cont.)
- compare 2 objects to see which object has “more than“ or “less than” of a measurable attribute
- classify, sort, and count sets of less than 10 objects

Operations and Algebraic Thinking • create all combinations for the numbers 0–10 using objects or drawings (e.g. 5 = 2 + 3, 5 = 4 + 1) • understand the concepts of addition and subtraction • solve addition and subtraction word problems using objects or drawings • fluently add and subtract within 5 **Number and Operations in Base Ten** • compose and decompose numbers 11–19 using a ten and additional ones **Measurement and Data** • describe measurable attributes of objects such as length and weight	**Geometry** • describe objects in the environment using shape names and position words, e.g. above, below, beside, in front of, behind, and next to • identify and name 2 and 3 dimensional shapes • build, draw, compare, describe, and sort 2-dimensional figures • analyze and compare 2 and 3-dimensional shapes • combine simple shapes to form larger shapes **Mathematical Practices** • apply the eight Standards for Mathematical Practice such as problem solving, modeling, and logical reasoning to solve math problems

Science – Focus on Systems and System Models; Energy and Matter

Students should know and be able to …

Understand the **Science & Engineering Practices** as they relate to the application of Kindergarten Science: ***Ask questions and define problems; Develop and use models; Plan and carry out investigations; Analyze and interpret data; Use mathematics and computational thinking; Construct explanations and design solutions; Engage in argument from evidence; Obtain, evaluate, and communicate information***

Understand the **Crosscutting Concepts** and how to apply them to Kindergarten Science: ***Patterns; Cause and Effect; Scale, Proportion and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change***

Physical Science • investigate how senses can detect light, sound, and vibrations even when they come from far away; use the collected evidence to develop and support an explanation • design and evaluate a tool that helps people extend their senses **Earth and Space** • observe, record, and ask questions about temperature, precipitation, and other weather data to identify patterns or changes in local weather • observe describe, and ask questions **and predict** seasonal weather patterns; and how those patterns impact plants and animals (including humans) • observe and ask questions about patterns of the motion of the sun, moon, and stars in the sky	**Life Science** • obtain, evaluate, and communicate information about how organisms use different body parts for survival • observe, ask questions, and explain how specialized structures found on a variety of plants and animals (including humans) help them sense and respond to their environment • observe, ask questions, and explain the differences between the characteristics of living and non-living things

Social Studies Focus: Children as Citizens

Students should know and be able to …

Understand the Six Elements of the Inquiry Arc: 1. Developing compelling questions; 2. Constructing supporting questions; 3. Gathering and evaluating sources; 4. Developing claims; 5. Communicating conclusions; 6. Taking informed action

Disciplinary Skills and Processes • use a variety of words to reference time in the past, present, and future; identify the beginning, middle, and end of historical stories • explore how events of the past affect students' lives and community • with prompting and support, generate questions about individuals and groups from stories shared	**Economics** • explain how needs, wants, and the availability of resources affect decision making • identify what one gains and gives up when they make choices **Geography** • use, explore, and construct maps, graphs and other geographical representations to support content focus • explore locations in stories shared

• with prompting and support, compare diverse cultures using primary sources such as photographs, artifacts, and music and secondary sources such as fiction and non-fiction • with prompting and support, ask questions, and construct responses to content studies **Civics** • apply values of respect, responsibility, equality, and fairness within schools and communities • follow agreed upon rules for discussions when responding to others and making decisions as a group • compare one's own thoughts and opinions with those of others • describe roles and responsibilities of people in authority • explain how all people, not just official leaders, play important roles in our school and community • explain how people work together to identify and solve problems within the classroom and school • explain why rules are important within the classroom and school	• explain how water and weather impacts humans **History** • compare one's own culture with the culture of others • explain the benefits of cooperation and compromise as ways to solve problems • explain and explore the origins of key American symbols, traditions, and holidays • explore the stories of key historical figures through informational text and biographies