

Reading Essentials in Science Correlated to Arkansas Science Standards Grade K

AR.1.	Nature of Science: Characteristics and Processes of Science: Students shall demonstrate and apply knowledge of the characteristics and processes of science using appropriate safety procedures, equipment, and technology.	
NS.1.K.1.	Inquiry and Process Skills: Record observations pictorially, orally, and in writing	Interpreting Data; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 67-69. (Book: 24829 TAR: 75876)
NS.1.K.2.	Inquiry and Process Skills: Ask questions based on observations	Interpreting Data; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 67-69. (Book: 24829 TAR: 75876)
NS.1.K.4.	Inquiry and Process Skills: Estimate and measure length, mass, and capacity/volume of familiar objects using non-standard units	Measuring for Treasure; Emergent A Titles Teaching and Assessment Resource (TAR) pp. 70-72. (Book: 24161 TAR: 79991)
NS.1.K.5.	Inquiry and Process Skills: Estimate relative temperature of matter (e.g., objects, living things, and earth materials)	Hot and Cold; Emergent A Teaching and Assessment Resource (TAR) pp. 50-52. (Book: 24158 TAR: 79991)
NS.1.K.6.	Inquiry and Process Skills: Collect empirical evidence as a class	Interpreting Data; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 67-69. (Book: 24829 TAR: 75876)
NS.1.K.7.	Scientific Equipment and Technology: Use age-appropriate equipment and tools in scientific investigations (e.g., balances and hand lenses)	What Will You Use?; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 70-72. (Book: 24830 TAR: 75876)
AR.2.	Life Science: Living Systems: Characteristics, Structure, and Function: Students shall demonstrate and apply knowledge of living systems using appropriate safety procedures, equipment, and technology	
LS.2.K.1.	Characteristics: Classify living and non-living things	Is It Living?; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 24-26. (Book: 24819 TAR: 75876)
LS.2.K.4.	Characteristics: Identify basic needs of plants and animals: food; water; light; air; space.	How Many Do You See?; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 34-36. (Book: 24834 TAR: 75876) Nature's Colors; Emergent B Teaching and Assessment Resource (TAR) pp. 14-16. (Book: 24822 TAR: 75876)
LS.2.K.5.	Structure and Function: Name and describe the five senses	Soft to the Touch; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 47-49. (Book: 24826 TAR: 75876)
LS.2.K.6.	Structure and Function: Discuss the functions of the five senses	Soft to the Touch; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 47-49. (Book: 24826 TAR: 75876)
AR.3.	Life Science: Life Cycles, Reproduction, and Heredity: Students shall demonstrate and apply knowledge of life cycles, reproduction, and heredity using appropriate safety procedures, equipment, and technology.	
LS.3.K.1.	Life Cycles: Describe plant development and growth	Nature's Colors; Emergent B Teaching and Assessment Resource (TAR) pp. 14-16. (Book: 24822 TAR: 75876)

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AR.5.	Physical Science: Matter: Properties and Changes: Students shall demonstrate and apply knowledge of matter, including properties and changes, using appropriate safety procedures, equipment, and technology.	
PS.5.K.1.	Physical Properties: List and classify objects according to the single properties of size, color, shape	Circles All Around; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 40-42. (Book: 24836 TAR: 75876) Nature's Colors; Emergent B Teaching and Assessment Resource (TAR) pp. 14-16. (Book: 24822 TAR: 75876) Shapes in Nature; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 37-39. (Book: 24835 TAR: 75876) Sorting; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 64,5,66. (Book: 24828 TAR: 75876)
AR.6.	Physical Science: Motion and Forces: Students shall demonstrate and apply knowledge of motion and forces using appropriate safety procedures, equipment, and technology	
PS.6.K.2.	Motion and Forces: Demonstrate various ways that objects can move, including but not limited to straight, zig-zag, back and forth, round and round, fast and slow	Movement; Emergent B Titles Teaching and Assessment Resource (TAR) pp. 44-46. (Book: 24825 TAR: 75876)
AR.7.	Physical Science: Energy and Transfer of Energy: Students shall demonstrate and apply knowledge of energy and transfer of energy using appropriate safety procedures, equipment, and technology	
PS.7.K.1.	Heat: Classify objects in terms of their relative temperature (e.g., hotter and colder)	Hot and Cold; Emergent A Teaching and Assessment Resource (TAR) pp. 50-52. (Book: 24158 TAR: 79991)
AR.8.	Earth and Space Science: Earth Systems: Structure and Properties: Students shall demonstrate and apply knowledge of Earth's structure and properties using appropriate safety procedures, equipment, and technology.	
ESS.8.K.5.	Weather: Chart weather conditions every day	Four Seasons; Emergent A Teaching and Assessment Resource (TAR) pp. 19-21. (Book: 24155 TAR: 79991) Weather Changes; Emergent A Teaching and Assessment Resource (TAR) pp. 14-15. (Book: 24153 TAR: 79991)
ESS.8.K.6.	Weather: Describe the four seasons	Four Seasons; Emergent A Teaching and Assessment Resource (TAR) pp. 19-21. (Book: 24155 TAR: 79991)
AR.10.	Earth and Space Science: Objects in the Universe: Students shall demonstrate and apply knowledge of objects in the universe using appropriate safety procedures, equipment, and technology.	
ESS.10.K.1.	Solar System: Distinguish between celestial bodies and other objects in the sky: sun, moon, other stars, clouds, birds, planes	Day Sky; Emergent B Teaching and Assessment Resource (TAR) pp. 17-19. (Book: 24823 TAR: 75876) Night Sky; Emergent A Teaching and Assessment Resource (TAR) pp. 16-18. (Book: 24154 TAR: 79991)