

ARIZONA DEPARTMENT OF EDUCATION ACADEMIC STANDARDS

The *Our Water, Our Future* program addresses the following Academic Standards. (Complete versions of the Academic Standards are available at <http://www.ade.state.az.us>.)

SCIENCE STANDARDS	Lesson 1	Lesson 2	Lesson 3	Lesson 4	PRESENTATION
SC04-S3C1-01 Describe how natural events and human activities have positive and negative impacts on environments (e.g., fire, floods, <u>pollution</u> , dams).					✓
SC04-S4C3-01 Describe ways various resources (e.g., air, <u>water</u> , plants, animals, soil) are utilized to meet the needs of a population.	✓		✓		✓
SC04-S4C3-02 Differentiate renewable resources from nonrenewable resources.	✓				✓
SC04-S4C3-03 Analyze the effect that limited resources (e.g., natural gas, minerals) may have on an environment.					✓
SC04-S4C3-04 Describe ways in which resources can be conserved (e.g., by reducing, reusing, recycling, finding substitutes).	✓		✓		✓
SC04-S6C3-01 Identify the sources of water within an environment (e.g., ground water, surface water, atmospheric water, glaciers).	✓	✓			✓
SC04-S6C3-02 Describe the distribution of water on the Earth's surface.		✓			
MATHEMATICS STANDARDS					
M04-S1C1-01 Read whole numbers in contextual situations.			✓		
M04-S1C1-02 Identify whole numbers in or out of order.			✓		
M04-S1C1-03 Write whole numbers in or out of order.			✓		
M04-S1C1-07 Compare two whole numbers.			✓		
M04-S1C1-14 Use decimals in contextual situations.			✓		

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MATHEMATICS STANDARDS CON'T	Lesson 1	Lesson 2	Lesson 3	Lesson 4	PRESENTATION
M04-S1C2-01 Add whole numbers.			✓		
M05-S1C2-03 Multiply whole numbers.			✓		
M05-S1C2-13 Multiply decimals.			✓		
SOCIAL STUDIES STANDARDS					
SS04-S1C9-01 Describe changes (e.g., population growth, economic growth, cultural diversity, civil rights) that took place in Arizona during the postwar era.	✓				✓
SS04-S1C10-01 Describe current events using information from class discussions and various resources (e.g., newspapers, magazines, television, Internet, books, maps).					✓
SS04-S1C10-02 Discuss the connections between current and historical events and issues from content studied in Strand 1 using information from class discussions and various resources (e.g., newspapers, magazines, television, Internet, books, maps).	✓				✓
SS04-S3C4-01 Discuss ways an individual can contribute to a school or community.			✓		✓
SS04-S4C1-05 Describe characteristics of human and physical features: a. physical – (i.e., <u>river</u> , lake, mountain, range, coast, sea, <u>desert</u> , gulf, bay, strait, plain, valley, volcanoes, isthmus, canyon, plateau, mesa, oasis, dunes); b. human – (i.e., equator, four hemispheres, city, state, country, harbor, dams, territory, county).		✓		✓	✓

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SOCIAL STUDIES STANDARDS CON'T	Lesson 1	Lesson 2	Lesson 3	Lesson 4	PRESENTATION
SS04-S4C1-06 Locate physical and human features using maps, illustrations, images, or globes: a. physical (i.e., <u>river</u> , lake, mountain range, coast, sea, <u>desert</u> , gulf, bay, strait) b. human (i.e., equator four hemispheres, city, state, country, roads, railroads).					✓
SS04-S4C1-07 Locate physical and human features in Arizona using maps, illustrations, or images: a. physical (e.g., Grand Canyon, Mogollon Rim, <u>Colorado River</u> , Gila River, Salt River); b. human (e.g., Phoenix, Yuma, Flagstaff, Tucson, Prescott, Hoover Dam, Roosevelt Dam).					✓
SS04-S4C2-02 Describe ways in which Arizona has changed over time from statehood to today.	✓				✓
SS04-S4C3 Correlates with SC04-S3C1.					✓
SS04-S4C3 Correlates with SC04-S6C3.	✓	✓			✓
SS04-S4C5-01 Describe human dependence on the physical environment and natural resources to satisfy basic needs.					✓
SS04-S4C5-03 Describe the impact of human modifications (e.g., dams, mining, air conditioning, irrigation, agricultural) on the physical environment and ecosystems.					✓
SS04-S4C6-01 Describe the impact of geographic features (e.g., rivers, mountains, resources, deserts, climate) on migration and the location of human activities (e.g., exploration, mining, transportation routes, settlement patterns).	✓				✓

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SOCIAL STUDIES STANDARDS CON'T	Lesson 1	Lesson 2	Lesson 3	Lesson 4	PRESENTATION
SS05-S1C10-01 Describe current events using information from class discussions and various resources (e.g., newspapers, magazines, television, Internet, books, maps).	✓				✓
SS05-S1C10-02 Discuss the connections between current and historical events and issues from content studied in Strand 1 using information from class discussions and various resources (e.g., newspapers, magazines, television, Internet, books, maps).	✓				✓
SS05-S3C4-01 Describe ways an individual can contribute to a school or community.			✓		✓
SS05-S4C1-03 Identify the location of significant geographic features from content studied on a physical or political map.					✓
SS05-S4C1-04 Locate physical and human features (e.g., gulf, delta, isthmus, strait, bay, canyon, swamp, peninsula, province, cape, tree line) in the United States and world on an appropriate type of map.					✓
WRITING STANDARDS					
A variety of standards from Strand 1 (writing process), Strand 2 (writing elements) and Strand 3 (writing applications) may be addressed, based on how the activity is assigned by the teacher.				✓	
READING STANDARDS					
R04-S1C5-01, R05-S1C5-01 Read from familiar prose and poetry with fluency and appropriate rhythm, pacing, intonation, and expression relevant to the text.				✓	

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READING STANDARDS CON'T	Lesson 1	Lesson 2	Lesson 3	Lesson 4	PRESENTATION
R04-S2C1-09 Identify characteristics and structural elements (e.g., imagery, rhyme, verse, rhythm, meter) of poetry.				✓	
R04-S2C1-10 Identify common forms of literature (e.g., poetry, novel, short story, biography, autobiography, drama) based upon their characteristics.				✓	
R05-S2C1-08 Identify types of poetry (e.g., free verse, haiku, cinquain, limericks).				✓	
LANGUAGE ARTS STANDARDS					
LS-E3 Interpret and respond to questions and evaluate responses both as interviewer and interviewee.			✓		
LS-E4 Predict, clarify, analyze and critique a speaker's information and point of view.					✓
VISUAL ARTS STANDARDS					
VA-S1C1, S1C2, S1C3, S1C4, S1C5 Create: Student will create artworks to communicate ideas, meanings, and/or purposes.		✓			

Teacher Note: Pursuing the suggested Extension ideas at the end of Lessons 1-3 will allow you to address additional ADE standards in a variety of subject areas.