Our Water, Our Future

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 www.azed.gov/standards-practices/.)

SCIENCE STANDARDS	PRE-VISIT LESSON	PRESENTATION	POST-VISIT LESSON
4.E1U3.9 Construct and support an evidence-based argument about the availability of water and its impact on life.	✓	✓	✓
5.P1U1.1 Analyze and interpret data to explain that matter of any type can be subdivided into particles too small to see and, in a closed system, if properties change or chemical reactions occur, the amount of matter stays the same.	✓	✓	
HISTORY AND SOCIAL SCIENCE STANDARDS	**PRE-VISIT LESSON**	**PRESENTATION**	**POST-VISIT LESSON**
4.SP1.2 Compare life in specific historical time periods to life today.	✓	✓	✓
4.G2.1 Compare the diverse ways people or groups of people have impacted, modified, or adapted to the environment of the Americas.	✓	✓	✓
5.SP1.2 Explain how events of the past affect students' lives and society.	✓	✓	✓
5.G1.1 Use and construct maps and graphs to represent changes in the United States.		✓	✓
5.G2.1 Describe how natural and human-caused changes to habitats or climate can impact our world.	✓	✓	✓
5.G3.1 Use key historical events with geographic tools to analyze the causes and effects of environmental and technological events on human settlements and migration.	✓	✓	✓
ENGLISH LANGUAGE ARTS STANDARDS	**PRE-VISIT LESSON**	**PRESENTATION**	**POST-VISIT LESSON**
4.RI.1 Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.			✓
4.RI.2 Determine the main idea of a text and explain how it is supported by key details; summarize the text.			✓
4.RI.3 Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.			✓
4.RI.4 Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a grade 4 topic or subject area.			✓
4.RI.7 Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.	✓	✓	✓
4.SL.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.	✓	✓	
4.SL.2 Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.	✓	✓	✓
4.SL.4 Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.	✓	✓	
5.RI.4 Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 5 topic or subject area.			✓
5.SL.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly.	✓	✓	
5.SL.2 Summarize a written text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.		✓	
5.SL.4 Report on a topic or text or present an opinion, sequencing ideas logically and using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.	✓	✓	
MATHEMATICS STANDARDS	**PRE-VISIT LESSON**	**PRESENTATION**	**POST-VISIT LESSON**
4.NBT.B.4 Fluently add and subtract multi-digit whole numbers using a standard algorithm.			✓
4.NBT.B.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.			✓
5.NBT.B.5 Fluently multiply multi-digit whole numbers using a standard algorithm.			✓