

# Albuquerque Waters – Rivers Model

## Common Core Standards and Benchmarks

### Speaking/Listening Standards

1. Engage effectively in a range of collaborative discussions in a small group and teacher-led discussion.
2. Identify the reasons and evidence a speaker provides to support particular points.

## NexGen Standards and Benchmarks

4-ESS2.E Living things affect the physical characteristics of their regions.

4-ESS3.A Energy and fuels that humans use are derived from natural sources and affect the environment in multiple ways.

## NM Science Standards and Benchmarks

SC 4.2.5 Recognize that energy can be stored in many ways. *How do all the light sources from the bins have to do with water?*

SC 4.5.2 Know that through science and technology, a wide variety of materials not appearing in nature has become available.

## Social Studies Standards and Benchmarks

Geog II-B.4.3 Identify ways in which different individuals and groups of people view and relate to places and regions. *(The bins)*

Geog II-E.4.1 Describe how cultures change.

Civics III-B.4.1 Describe various cultures and the communities they represent, and explain how they have evolved over time.

Civics III-D.4.1 Explain the difference between rights and responsibilities, why we have rules and laws, and the role of citizenship in promoting them.

Econ IV-C.4.1 Identify patterns of work and economic activity in New Mexico and their sustainability over time (e.g., farming, ranching, mining, retail, transportation, manufacturing, tourism, high tech).

# Bosque Walk – Scavenger Hunt

## Common Core Standards and Benchmarks

Writing Grade 4

3.d Use concrete words and phrases and sensory details to convey experiences and events precisely.

## NexGen Standards and Benchmarks

4-ESS2.A Rainfall helps to shape the land and affects the types of living things found in a region.

4-ESS2.E Living things affect the physical characteristics of their regions.

## NM Science Standards and Benchmarks

II.II.4.2 Know that humans and other living things have senses to help them detect stimuli, and that sensations (e.g., hunger) and stimuli (e.g., changes in the environment) influence their behavior.

II.II.4.3. Describe how roots are associated with the intake of water and soil nutrients and green leaves are associated with making food from sunlight (photosynthesis).

II.II.4.4. Describe the components of and relationships among organisms in a food chain (e.g., plants are the primary source of energy for living systems).

III.II.I. 1. Understand how organisms interact with their physical environments to meet their needs (i.e., food, water, air) and how the water cycle is essential to most living systems.

## Social Studies Standards and Benchmarks

Geog II-C.4.2 Describe how environments, both natural and man-made, have influenced people and events over time, and describe how places change.

Civics IV.D. 4.1 Explain the difference between rights and responsibilities, why we have rules and laws, and the role of citizenship in promoting them.

Econ IV-A.4.1 Understand when choices are made that those choices impose “opportunity costs.”

# NM Water Footprints in Time

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