

MAC AG – VENTURES & YOU

4TH GRADE – SCIENCE STANDARDS

(Choose one from the following lessons)

1. Lesson: **What is a Fruit / What is a Vegetable?** – Students are given display fruits and vegetables to identify their category as well as learn about the characteristics of a fruit and or vegetable. Also includes **Ag-Ventures Plant Bracelet** Craft – Depicting what plants need to grow.

STRAND # 4 / LIFE SCIENCE

Concept 1 – Characteristics of organisms / P01 – Compare structures in plants (roots, stems, leaves, flowers).

2. Lesson: **Arizona Water Science Journey (I)** – Students take on the role of a water molecule and actively engage in the **Water Cycle Journey** as they move through the nine stations where water is found in nature (clouds, soil, ground water, plants, animals, glaciers, oceans, lakes, and rivers).

STRAND #5 / LIFE SCIENCES

Concept 3 – Changes in the earth and sky / P01, P02 – Identify the sources of water within an environment. Describe the distribution of water on the earth's surface.

3. Lesson: **Arizona Water Science (II) / Roles of Dams**- Students learn/build/and understand the role of dams in water distribution, and the beneficial and harmful impacts of natural events and human activities on the environment (forest fires, flooding, etc.) as well as identify ways that people use tools and techniques to solve problems.

STRAND #1

Concept 2 – Prehistoric tribes – development, culture, and contribution of the Hohokam to agriculture in Arizona

Concept 5 – P03 / Describe events that led to Arizona becoming a possession of the United States

STRAND #4 / LIFE SCIENCES

Concept 3 – Organisms and environments, P01 / Describe ways that various resources (air, water, plants, animals, soil) are utilized to meet the needs of a population.

Registration: \$40.00 per class (25-30 students), 45 minute in-class lessons

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