

MAC AG – VENTURES & YOU

3RD GRADE – SCIENCE STANDARDS

(Choose one from the following lessons)

1. Lesson: **Garden in a Cup** – Students make their own miniature gardens. They learn about soil composition, range of temperature, quantity and quality of light or water in the ecosystem that may affect a member organism’s ability to grow, reproduce and thrive. Also includes **Ag – Venture Plant Bracelet Craft** – depicting what plants need to grow.

STRAND #4 / ORGANISMS AND ENVIRONMENT

Concept 3 – Understand the relationships among various organisms and their environment.

STRAND # 4 / LIFE SCIENCE

Concept 1 – Characteristics of Organisms / P01 – 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 the natural world (clouds, soil, ground water, plants, animals, glaciers, oceans, lakes, and rivers).

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 #3 / SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES

Concept 2 – Change in environments / P01, P02

STRAND #3 / SCIENCE AND TECHNOLOGY IN SOCIETY

Concept 2 – Understand the impact of technology / P01, P03

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4. Lesson: **Soil, Can you Dig It?** – Students describe how environmental factors (soil composition, range of temperature, quantity and quality of light or water) in the ecosystem may affect a member organism's ability to grow, reproduce, and thrive.

STRAND # 4 / ORGANISMS AND ENVIRONMENTS

Concept 3 – Organisms and environments / P05

5. 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 – Venture Plant Bracelet Craft** – Depicting what plants need to grow.

STRAND #4 / LIFE SCIENCE

Concept 1 – characteristics of organisms / P01 – roots, stems, leaves, flowers.

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

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