



## *Agriculture in the Classroom Grades K-4<sup>th</sup>*

- Fall Pumpkin Reading Event: Life Cycle of a Pumpkin K-2<sup>nd</sup> grades
- STEM Ag Literacy: Celebrating STEM in Agriculture with a new book and activity every year 3<sup>rd</sup> & 4<sup>th</sup> grades
- Read Across America: Celebrating Dr. Seuss's Birthday K-2<sup>nd</sup> grades
- Spring Reading Event: Celebrate Earth Day with a new book and activity every year K-2<sup>nd</sup> grades

## OUR SPONSORS



*FREE, Water Conservation & Sustainable Agriculture Programs for Grades K-8*

**VERDE NATURAL RESOURCE  
CONSERVATION DISTRICT  
ENVIRONMENT  
ENVIRONMENTAL  
EDUCATION  
CENTER**

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## Water Conservation Programs



### Kids Conserve Water Kindergarten-4<sup>th</sup> Grades

A half day field trip to the Verde Valley Discovery Center emphasizing the importance of conserving water. Each visit includes an information booklet and STEM (science, technology, engineering, and mathematics) based activities.

#### Essential Questions:

- ◆ Where on Earth is water found?
- ◆ How does water get into and out of houses?
- ◆ Why is it important to SAVE and not WASTE water?
- ◆ How can we conserve water?

## Water Stewardship Programs

Water Stewardship programs are one day field trips, aligned to Next Generation Science Standards, Arizona College and Career Ready Standards and integrate STEM activities.

### Connections

5<sup>th</sup> grade studies the connections between Physical Science and Nature, the World and Water. Students follow the path of a drop of water by reading *A Drop Around the World*, by Barbara Shaw McKinney and then explore the physical properties of water and its connections in nature at Dead Horse Ranch State Park.

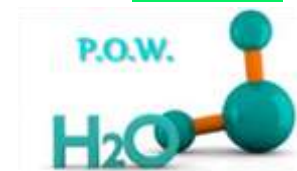
### Ground Water

6<sup>th</sup> grade students learn about the link between groundwater and surface water through an in-depth examination of a groundwater model. Students better understand the cultural significance and historical impacts of groundwater and its relation to the Verde River at Big Springs Natural Area and Tuzigoot National Monument in Clarkdale.



7<sup>th</sup> grade participates in the Top 10 WANTED program where they learn about the economic, social and ecological impact of native and invasive species in the Verde Watershed. Students create "Wanted Dead and Alive" posters along with a field trip to Dead Horse Ranch State Park to understand the impacts of invasive species on native ecosystems through aquatic macro-invertebrate collection and study.

**"What I love most about these programs, is that they provide hands on Environmental Education!"**



8<sup>th</sup> grade evaluates how the health and quality of a river affects all water users including humans, agriculture, animal, and industry. After touring a local wastewater treatment plant, students perform onsite water evaluations. At Dead Horse Ranch State Park further water quality testing of the Verde River is performed and students evaluate river health. Students understand through an interactive demonstration how everyone contributes to the pollution of a river.