

Tucson STEM Academy

A Collaboration of Arizona Project WET & Tucson Water

- ❖ Investigate Real-World Solutions
- ❖ Integrate Technology
- ❖ Incorporate STEM Units

STEM Academy Teachers will explore Tucson Water's Reliability Mission:

Water Supply

- Utilize maps and well data to understand groundwater gradient
- Tour reclaimed water locations

Water Quality

- Analyze drinking water quality
- Visit Tucson Water's quality labs

Operations & Systems

- Hands-on lesson to understand the operation of recharge basins
- Engineering design of piping systems to deliver water
- Tours of Tucson Water's operations

Water Conservation & Efficiency

- Perform bathroom faucet and irrigation audits
- Work with Tucson Water professionals
- Introduction to rainwater harvesting

Technology Tools used throughout the workshop

**Dates: June 16-20, 2014
7:00 AM – 4:00 PM
April 25, 2015 8:30 – 3:00
University of Arizona**

Why Water?

Water education topics span all the levels of **secondary science** curriculum: Chemistry, Physics, Biology, Environmental Science, Meet ELA and Math Common Core, Engineering and Technology requirements with water lessons.

Benefits include a \$600 stipend (\$300 for workshop & \$300 for implementation), access to Tucson water educators throughout the year, and classroom kits available for checkout.

Apply by 4/1/14 at:

https://arizonawet.arizona.edu/workshop/tucson_stem_academy

