

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

- Explore Tucson's urban water cycle
- Utilize maps and well data to understand groundwater gradient
- Tour reclaimed water system locations

Water Quality

- Analyze drinking water quality
- Understand Tucson Water quality parameters

Operations & Systems

- Hands-on lesson using Google Earth to understand recharge basin operation
- Engineering design of piping systems to deliver water
- Tours of Tucson Water's operations

Water Conservation & Efficiency

- Perform bathroom faucet and irrigation audits
- Interact with Tucson Water professionals

Technology Tools are utilized throughout the workshop

Dates: June 1-5, 2015

7:30 AM – 4:00 PM

April 23, 2016 8:30 – 2:30

University of Arizona

Why Water?

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

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

Questions? Contact Betsy Wilkening – ewilkening1@email.arizona.edu

6th-12th Grade Teachers Apply by 4/1/15 at: <http://goo.gl/6X3vgO> or

https://uarizona.co1.qualtrics.com/SE/?SID=SV_0w8vAdjkgxXL5Wd



THE UNIVERSITY OF ARIZONA
College of Agriculture
& Life Sciences
Water Resources Research Center