

# 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 6-10, 2016**

**7:30 AM – 4:00 PM**

**April 22, 2017 8:30 – 2:30**

**University of Arizona**

### Why Water?

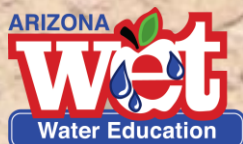
Water education topics span all the levels of **secondary science** curriculum: Chemistry, Physics, Biology, Environmental Science, Meet Engineering, Technology, ELA, and Math Common Core, requirements.

**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](mailto:ewilkening1@email.arizona.edu)**

**6<sup>th</sup>-12<sup>th</sup> Grade Teachers Apply by 4/15/16 at: <https://goo.gl/xl5pr8> or**

**[https://uarizona.co1.qualtrics.com/SE/?SID=SV\\_ewZYdEkjyHMBxPf](https://uarizona.co1.qualtrics.com/SE/?SID=SV_ewZYdEkjyHMBxPf)**



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