

ONLINE!!

Activating 3-Dimensional Instruction Rainwater Harvesting STEM Academy For 6th – 12th Grade Teachers



In this academy, teachers will gain a ready-made, real-world and relevant unit that uses a simple form of systems thinking includes engineering design and fully activates all science and engineering practices. They will experience the use of crosscutting concepts to form relationships and take perspectives. And finally, teachers are guaranteed assistance; an APW facilitator delivers 2 of the 12 lessons in the unit!

Online Professional Development using Zoom & Canvas to help meet your personal and professional needs



Curriculum unit, coaching, 1 in-classroom presentation, and a facilitate field-day are provided!

This Rainwater Harvesting Academy will demonstrate the 3-Dimensional aspects of the Arizona Science Standards.



Register using the link at the top of the page.

Please Note: "3-D Learning & Systems Thinking" is a Pre-requisite for all Aqua STEM units.

Date range for completion is from June 10th through July 24th enabling you to be more in control of your learning schedule. 30-Hours of CEUs.

Format: Live facilitated sessions, small group work, and individual assignments.

Students will:

- **Analyze and interpret** the school landscape looking for evidence of run-off.
- Discover how weather **patterns** affect the quantity of rainwater collected and **scale** of the collection system.
- **Use a model** of a rainwater harvesting system to **analyze and interpret data** during an experiment.
- **Use mathematics and computational thinking** to calculate input to and output from a rainwater harvesting system for their school landscape.



THE UNIVERSITY OF ARIZONA
COLLEGE OF AGRICULTURE & LIFE SCIENCES

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