



Water Resources Leadership™ Program

The Water Resources Leadership Program explores the complex hidden infrastructure that reliably delivers clean water right to our tap. Poseidon Education trains the classroom teacher to lead students in 5th-12th grade in this hands-on program. Students develop real-world technical skills and discover future career opportunities as water resource leaders.



PROGRAM OVERVIEW

Part I: The World of Water

- An overview of water on earth and the types of water: potable, stormwater, reclaimed and wastewater
- An introduction to water regulations and the agencies that store, treat and deliver our water
- An overview of global water problems including access rights, pollution, droughts and flooding
- An exploration of novel solutions such as reclaimed water, desalination and recycled water programs

Part II: Water Use at Your School

- Students explore the hidden water infrastructure at school
- Understanding potable water metering and a hands-on audit of flow meter efficiency
- A comparison of cost, content and taste of tap water vs. bottled waters
- The path wastewater takes from school site to treatment plant and how it is treated
- School irrigation efficiency and runoff pollution

Part III: Final Report and Recommendations

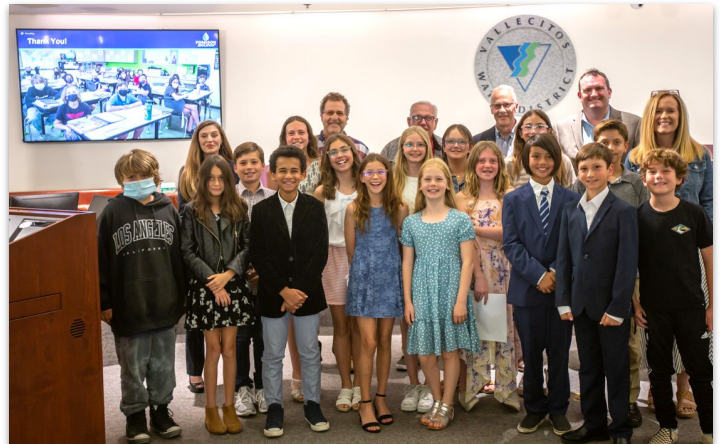
- Analyze of all data collected from water use audits
- Design water use reduction strategies and calculate savings from recommendations
- Prepare and present a Water Resources Management Plan (WRMP) for school site

FEATURES

- Comprehensive educational materials customized for the teacher, experience level of the students and school site water systems
- Digital files for local water systems and agencies and regional water planning
- Training and certification of classroom teacher.
- Continued one-on-one teacher consultation with certified water quality expert
- All necessary equipment for school site water testing, pressure tests, taste tests, irrigation efficiency evaluation and PPE

BENEFITS

- Hands-on project-based learning that integrates into curriculum and aligns with NGSS
- Develops critical data analysis and engineering design skills
- Exposes students to professional career opportunities in water resource management
- Develops confidence in public speaking and passion for environmental advocacy
- Qualified leadership skills that connect students with community through public outreach
- Prepares students for future career opportunities



EDUCATION PARTNERS

