

TEACHER TRAINING



Summer Teacher Internship

A paid internship program, this intensive two-week Summer course introduces middle school and high school teachers to water resource management issues facing the community and provides opportunities to interact with the utility in an educational setting. The internship promotes water-related learning opportunities for all curriculum areas. Graduates are expected to develop water-related projects in their classrooms in the school year following the Internship program. For more information, contact Tucson Water at 791-4331.

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*Water
Education
for Teachers
(Project WET)*

Project WET is an opportunity for students to learn about Arizona's water resources by participating in fun, interactive, classroom-ready activities. The activities, developed and tested by teachers, are designed to develop critical thinking and build an understanding of water related concepts by experiential learning. Teacher Workshops, held monthly during the school year, provide an opportunity for teachers to gain hands-on experience with the Project WET activities prior to introducing them to their classroom. Topics include the properties of water, the water cycle, watersheds, groundwater, water quality, water rights, water conservation, and ecology of wetlands. For more information, call Tucson Water at 791-4331 or contact Project WET at 792-9591, x22.

For information on all our Education Outreach Programs, call Tucson Water at 791-4331 or visit our web site at www.tucsonaz.gov/water



City of Tucson TTY# 791-2639



TEACHER'S GUIDE TO EDUCATIONAL OUTREACH PROGRAMS FROM TUCSON WATER

Tucson Water offers a variety of in-class and guided tour programs tailored to all grade levels. These free programs provide age-appropriate lessons and interactive activities on water conservation, water supplies, and water quality. Tucson Water also offers two innovative Teacher Training programs. For more information on our Education Outreach Programs, call Tucson Water at 791-4331 or visit our web site at www.tucsonaz.gov/water.



Tucson Water's Public Information Office
Educational Outreach Programs
P. O. Box 27210
Tucson AZ 85726-7210



CLASSROOM PRESENTATIONS AND MATERIALS

Exploring the Wonders of Water (Grades K-8)

This multi-panel travelling exhibit is an interactive, educational display covering topics ranging from the hydrologic cycle, water sources in the desert, to wastewater reclamation. Designed for use in libraries and media centers, the exhibit includes lesson plans and hands-on learning materials. To schedule "Exploring the Wonders of Water," call 791-4331.



Da Drops and

Dr. Faucet (Grades K-3)

This classroom based, hands-on program offers one full hour of fun and learning. Students will learn basic information about the water cycle, water delivery and conservation. Students interact with presenter "Dr. Faucet," enjoy an animated video presentation and receive personal activity books and "souvenir" cups. Schedule a presentation and download pre-visit activities on-line at www.tucsonwater-outreach.org or call 670-1442.

Our Water, Our Future (Grades 4-5)

This program provides more advanced information about water cycles, water sources and water conservation. Teacher-led, easy-to-use lessons are complemented by a follow-up 60-minute in-class presentation by Tucson Water featuring fun and hands-on learning activities. Schedule a presentation and download pre-visit activities on-line at www.tucsonwater-outreach.org or call 670-1442.



Tucson Toolkit (Grades 6-8)

This easy-to-use five-unit curriculum focuses on the water cycle, water supply, water issues facing our community, and water conservation. Each unit contains one or two hands-on activities such as collecting transpiration from leaves, constructing a mini-Mt. Lemmon and developing a model to investigate groundwater contamination. The *Toolkit* includes a Teacher's Guide, and an activity book, shower timer, and a shower flow-rate measurement kit for each student. Download the Teachers Guide on-line at www.tucsonwater-outreach.org To request student materials, call 670-1442 or email outreach@eeexchange.org



Groundwater Flow Model Presentations (Grades K-12)

These fun-packed, interactive presentations let students see how our aquifer works and is excellent preparation for guided tours of Tucson Water facilities. Topics include groundwater storage, water production, and contamination and cleanup. Presentations can be tailored to a classroom setting, a field environment, or a community event. To schedule a presentation call 791-4331.

GUIDED TOURS



Clearwater Recharge Basins

Visitors travel to the Central Avra Valley Storage and Recovery Project where Colorado River water is recharged. The facility includes eleven basins where water percolates down through the earth, more than 25 recovery wells, and a large covered reservoir and pumping station.

Hayden-Udall Treatment Plant

Participants visit Tucson Water's primary water treatment facility where water from the Clearwater facility is made ready for delivery to Tucson. The plant is also the site of Tucson Water's state-of-the-art Water Quality Laboratory.

Reclaimed Water Treatment Plant

This tour guides you through the process for recycling the community's wastewater for reuse as irrigation water for parks, schoolyards, golf courses, homes and other large turf facilities. Participants view the pressure filters, disinfection building and pumping facilities involved in creating and distributing reclaimed water.

Tucson Airport Area Remediation Project (TARP)

This treatment facility removes trichloroethylene (TCE) contamination from groundwater near the Tucson International Airport. Participants learn about the process of "air-stripping" to remove volatile compounds from water, and gain a broad understanding about groundwater contamination and cleanup in Tucson.



Sweetwater Wetlands

This innovative treatment facility uses natural processes to filter treated wastewater to make it ready for use in Tucson Water's reclaimed water system, and doubles as a wildlife park. Perfect for viewing birds and other wildlife, the facility also provides an exciting natural laboratory for teaching about ecology and water resource management. The wetlands are also the only Tucson Water facility open to the public for self-guided tours. The facility is open every day from dawn to dusk (except Monday mornings).

To schedule a guided tour, contact Tucson Water at 791-4331. Tours are also available in Spanish. (Guided Tours are subject to cancellation based on Homeland Security Alert status.)