



LET'S DIVE INTO WATER EDUCATION



- FREE Classroom Presentations
- Teacher Workshops
- Contests
- Teacher Programs
- Student Scholarships
- Classroom Materials

THE WATER EDUCATION PROGRAM



Rowland Water District is dedicated to highlighting water education in the community. The water education program is a comprehensive approach aligned towards helping our local educators teach students that water is an important natural resource. Students are encouraged to use water wisely and make environmentally sustainable choices to ensure a reliable water supply for now and the future.



Our program and materials are FREE to teachers in our service area.

The schools in the Rowland Water District service area are as follows:

- Alvarado Intermediate School
- Bixby Elementary School
- Blandford Elementary School
- Jellick Elementary School
- Nogales High School
- Northam Elementary School
- Rorimer Elementary School
- Rowland Elementary School
- Santana High School
- Telesis Academy of Science and Math
- Wedgeworth Elementary School
- Wilson High School
- Yorbita Elementary School



The hands-on water activities and interactive presentations offered are aligned with the Next Generation Science Standards (NGSS), Education and the Environmental Initiative (EEI) and Common Core State Standards.

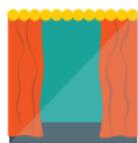
* If you are interested in being added to the email distribution list, please contact Program Coordinator, Brittne Van De Car, at bvandecar@rowlandwater.com

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ACTIVITIES AND PROGRAMS



NATIONAL THEATRE FOR CHILDREN *K-6th Grade*

National Theatre for Children provides a live and interactive theatre performance featuring professional actors focusing on water conservation and the protection of our natural resources. We are pleased to offer you the performance at NO COST to your school.

→ ***Schedule an assembly at your school today!***

MIRAMAR TREATMENT PLANT TOUR *4th-8th Grade*

Rowland Water District, in partnership with Three Valleys Municipal Water District, provides students with the opportunity of touring the Miramar Treatment plant in Claremont, CA. Students will see for themselves how drinking water is treated, tested and distributed.

→ ***Buses will be provided on a first-come, first-served basis.***

PROGRAM COORDINATOR

Brittnie Van De Car

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(562) 697-1726 | www.RowlandWater.com

TEACHER WORKSHOPS AND PROGRAMS

TEACHER WORKSHOPS AND PROGRAMS



EDUBUCKS PROGRAM FOR TEACHERS

K-12th Grade

EduBucks provides financial support for teachers seeking to do creative water education classroom projects and is designed to increase students' awareness of the importance of water in Southern California. It also improves and supplements academic instruction. All K-12 teachers are eligible to apply for cash awards. Teachers may apply individually, or as a team, for up to **\$700** per project.



PROJECT WET WORKSHOP FOR TEACHERS

K-12th Grade

Project WET (Water Education for Teachers) is a one-day workshop for teachers working in the Rowland Water District (RWD) service area. This one-day workshop is **FREE**, but space is limited. Teachers attending the workshop will receive a FREE copy of the Project WET Curriculum guide filled with water-related lessons. The Project WET curriculum aligns with the Next Generation Science Standards (NGSS) and Common Core State Standards for education.

CONTESTS AND SCHOLARSHIPS



WATER IS LIFE POSTER CONTEST *K-12th Grade*

The RWD poster contest occurs every February. Students are encouraged to create posters which depict water being used wisely at home and in their environment or new water saving ideas for the future. Poster paper can be delivered or picked up from the District through the duration of the contest.



WATER CONSERVATION CAMPAIGN: BROADCAST MEDIA AND DIGITAL ART CONTEST *7-12th Grade*

This contest is open to Middle School and High School students. The objective of the contest is to increase awareness of the importance of water in Southern California by creating a video or digital artwork specifically focused on water conservation issues.

CASH PRIZES AWARDED

1ST PRIZE
Up to \$400

2ND PRIZE
Up to \$300

3RD PRIZE
Up to \$150



WATER SCHOLAR PROGRAM *12th Grade*

This contest is open to High School Seniors in the Fall. The objective of this program is to promote water awareness and encourage students to compose an essay focused on water conservation issues. Two to four scholarships up to **\$1,500** will be awarded to the college institution selected by the student for his or her use.

CLASSROOM PRESENTATIONS

Classroom Presentations are a key part of Rowland Water District's Education Program. The Education Program Coordinator, Brittnie Van De Car, works very closely with the needs of the students and teachers when visiting the classroom and guides students through hands-on water activities. Each classroom presentation is 45 minutes to an hour and she will visit your classroom more than one time in the school year. All activities are intended to enhance the students' awareness on water conservation.

The classroom activities are as follows:



WATER CYCLE BRACELET ***TK-3rd Grade***

Students learn the many components and processes of the water cycle while assembling a bracelet using colored beads that represent each part of the water cycle.



STATES OF WATER ***1st-3rd Grade***

Students learn to distinguish the three states of water – solid, liquid, and gas – while playing a card-matching game.



WATER SUPPLY AND CONSERVATION PRESENTATION ***4th-6th Grade***

Students will learn about the water supply, where the water comes from, how the water is treated and distributed, and ways to conserve.

→ Presentation can be altered to coincide with classroom curriculum.

Additional activities:



TAP WATER CHALLENGE 4th-6th Grade

Students perform tests on water to determine the amount of Chlorine, pH, Iron, Copper, and its hardness.



BINGO 1st- 6th Grade

Students will learn 24 different definitions of rivers, watersheds, the states of water, etc. and incorporate the definitions into a fun, interactive and hands-on game of Bingo.

→ ***This game is tailored to the specific grade level per teacher's request.***



WATER CONSERVATION JEOPARDY 3rd-6th Grade

Students engage in a game of Jeopardy all while learning about water conservation. There are a total of 25 different questions that students can choose from. This game is interactive, fun and hands-on.



WONDERFUL WORLD OF WATER CLASSROOM CURRICULUM 3rd Grade

Students will engage in a story about Wendy Water Drop and Wally Water Drop taking a journey to share their knowledge about water conservation. Participation includes a story that aligns with 3rd grade Common Core Standards. This presentation includes activity sheets, word searches, assessments, take-home surveys, reading activities, an in-classroom water activity and a take-home plush toy journal activity.

CLASSROOM MATERIALS

CLASSROOM PRESENTATIONS



FREE sets of giveaways are available to the classes that participate in the classroom presentations. A pre-test is given to each student before the classroom presentation and activity, followed up by a post-test that gauges the amount of information they have learned about water. Once the tests are received, each student will receive fun and educational materials to take home.

MWD FREE CLASSROOM MATERIALS



Metropolitan Water District offers FREE classroom sets, curriculum and materials to educators within their service area. For free classroom materials visit www.mwdh2o.com and search "education" to order classroom sets.

RESOURCES

CALIFORNIA EDUCATION AND THE ENVIRONMENT INITIATIVE (EEI)



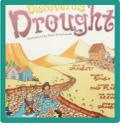
EEI is an environmental-based instruction that makes learning both engaging and relevant. EEI helps students understand their relationship to the environment while preparing them to be critical thinkers and 21st century problem solvers. EEI is a unique opportunity to formally include environment-based education in your classroom.

Each disc comes with a summary of the lessons included on the Grade specific disc.

➔ **Grades K-3, 4-6, 6-8, and High School.**

➔ If you are a teacher in the RWD service area and would like a copy of a specific disc, please email Brittne Van De Car at bvandecar@rowlandwater.com or call **(562) 697-1726**.

RESOURCE CATALOG



1. **DISCOVERING DROUGHT** - This colorful activity book teaches students how water systems and droughts form.



2. **CONSERVE WATER** - Full-color booklet contains games and puzzles about water conservation.



3. **HELP YOUR SCHOOL SAVE WATER** - Appropriate for all grade levels, this poster teaches how you can conserve water at school and at home.



4. **THE CALIFORNIA WATER WORKS AND WHY IT DOES** - Aimed towards Grades 4-8, this comic book shows how water is delivered through California's water systems. Offered in both English and Spanish.



5. **WATER AND ME** - Simple puzzles and matching activities teach students about water formation and use.



6. **CALIFORNIA WATERWAYS AND ACTIVITY SHEET** - This black and white map displays many of California's rivers, lakes, and aqueducts.



7. **SACRAMENTO/SAN JOAQUIN DELTA FACTS SHEET** - Students from Grades 9-12 can learn more about this vital California resource with a facts sheet and informational map.

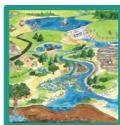


8. **PARENT/STUDENT WATER CONSERVATION CHECKLIST** - Students can use this question and answer checklist about conservation to review with their parents.

RESOURCE CATALOG



9. **WATER CYCLE** - This colorful poster illustrates how water travels through the water cycle. Limit: one per teacher.



10. **WATER SUPPLY AND USES** - A poster shows how water travels from mountaintop to ocean and its many purposes along the way. Limit: one per teacher.



11. **CALIFORNIA WATERWAYS MAP** - A map of California displays topography and the major natural and man-made water systems. Limit: one per teacher.



12. **DISCOVER FLOODS** - A colorful, 16-page activity book features important-to-know facts and hands-on activities on floods and flood management.



13. **DISCOVER STORM WATER** - A student activity book explores what storm water is, where it comes from, and how to prevent storm water pollution.



14. **DISCOVER GROUNDWATER AND SPRINGS** - This activity book features interactive lessons designed to show principles related to water flow.



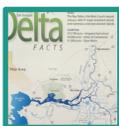
15. **DISCOVER THE WATERS OF LAKE TAHOE** - Children ages 8-12 can explore the waters of Lake Tahoe in this engaging activity booklet by the Project WET Foundation.



16. **CALIFORNIA WATER UNITS - TEACHER'S GUIDE FOR 4TH AND 5TH GRADES** - These teaching guidelines provide a complete overview of California's water supply, water sources, water use and efficiency, and water quality. Limit: one per teacher.



17. HAMBURGER ACTIVITY SHEET - An activity sheet teaches children how much water goes into making the parts of a hamburger sandwich. Offered in both English and Spanish.



18. CALIFORNIA'S AMAZING DELTA - BOOK COVER - This two-sided book cover has activities that teach children the importance of the Sacramento-San Joaquin Delta.



Students....
Help your school
Save Water!

Recently, Governor Brown declared a drought emergency and asked everyone to save water. You can help:

- Bring your own water bottle to school. It wastes less water than drinking from a faucet.
- When you drink from a faucet, don't let the water run (except into your mouth!).
- When you wash your hands, shut off the water while you lather soap.
- Keep your eyes open for sprinklers that leak or spray onto the sidewalk, street, or playground. Tell an adult at your school who can fix the problem.
- Keep your ears open for toilets that constantly filling with water. Tell your custodian - toilet leaks waste lots of water.
- Does your school have a composting program? Ask your school administration to spread compost around campus plants to hold in soil moisture.
- Ask your school groundskeeper to keep the school lawns two or three inches high. Longer grass saves water!

What you can do at home:

- While you wait for your shower to warm, catch the water with a bucket. Use the water on plants outdoors.
- Wash your bike and dog on the lawn. The lawn will get watered and keep soap and oil from draining to streams.
- Use a broom - not a hose! - to sweep walkways and patios.
- Ask your parents to water your lawns only when the grass is dry and only in the early morning - not after it has rained and not on windy or hot days when the water will blow away or evaporate.
- Ask your parents to consider replacing your lawn with drought-resistant plants that rarely need water.

3

Cycle

CONDENSATION
vapor changing to liquid or solid

PRECIPITATION
liquid falls as rain or snow

ACCUMULATION
rain or snow collects in storm drains, lakes, and oceans

PERCOLATION
liquid seeping into the ground

Water's Magic

Did you know... all of the water on the earth is all "aged" water that has been around for a long time. The water cycle has had time to travel over and over the earth's surface. It has been in the air, on the ground, and in the water. It has been in the soil, in the clouds, and in the water. It has been in the air, on the ground, and in the water. It has been in the soil, in the clouds, and in the water.

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Water Supply and Uses

California's water supply depends on the snow pack, precipitation, and other factors.

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→ If you are a teacher in the RWD service area and would like a copy of a specific disc, book, or activity sheet please email Brittanie Van De Car at bvandecar@rowlandwater.com or call **(562) 697-1726**.

These educational tools are not only fun and engaging, but they will teach your students the importance of saving water in their home, school and community.

The skills that they acquire at this age will encourage them to make conscious decisions about their environment for the rest of their life.

**JOIN US AND SEE HOW
TOGETHER WE CAN MAKE A DIFFERENCE!**



INTEREST FORM

(Please check all that apply)

WORKSHOPS AND PROGRAMS

- EduBucks Program (Deadline in November)
- Project WET Workshop (Held in October)
- Water Scholar Program (Deadline in January)
- Media Contest (Deadline in March)
- Solar Cup (During school year)

ACTIVITIES AND PROGRAMS

- Classroom Presentations (During school year)
- National Theatre for Children (During school Year)
- "Water is Life" Poster Contest (February)
- Miramar Treatment Plant Tour (During school year)

NAME:

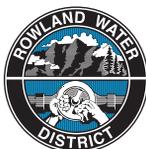
GRADE LEVEL:

NUMBER OF STUDENTS:

SCHOOL:

EMAIL:

PHONE NUMBER:



PLEASE SEND YOUR REQUESTS TO:

Rowland Water District
Attn: Brittnie Van De Car – bvandecar@rowlandwater.com
3021 Fullerton Road, Rowland Heights, CA 91748



ADDITIONAL RESOURCES



W E W A C

Water Education - Water Awareness Committee

Use Water Wisely

**WATER EDUCATION/WATER
AWARENESS COMMITTEE
(WEWAC)**

www.usewaterwisely.com



METROPOLITAN WATER DISTRICT

FREE Resources available at: www.mwdh2o.com

