



MARIN MUNICIPAL
WATER DISTRICT

WATER WONDERS

2016-17 SCHOOL YEAR
WATER EDUCATION PROGRAMS FOR GRADES K-12

WATER WONDERS

2016-17 School Year Water Education Programs for Grades K-12

The Marin Municipal Water District (MMWD) is pleased to offer FREE, fun-filled, and memorable water education programs for schools in our service area during the 2016-17 school year. Join us and learn all about one of the most amazing substances on earth—water—at one of the most amazing places on earth: the Mt. Tamalpais Watershed!

Our programs are designed to support California education standards while fostering water conservation and environmental stewardship.

PROGRAMS	K	1	2	3	4	5	6	7	8	9	10	11	12	CONTACT
Field Trips to the Mt. Tamalpais Watershed														
Water Conservation Walk				●	●	●								415-945-1458 schoolprogram@marinwater.org
Watershed Ecology & Restoration				●	●	●								415-945-1128 volunteerprogram@marinwater.org
Field Science & Restoration											●	●	●	415-945-1128 volunteerprogram@marinwater.org
Classroom Presentations														
Water Conservation & Supply				●	●	●	●	●	●	●	●	●	●	415-945-1458 schoolprogram@marinwater.org
Do-It-Yourself Water Conservation				●	●	●	●	●	●	●	●	●	●	415-945-1458 schoolprogram@marinwater.org
More Opportunities														
STEM Aligned Online Curriculum					●	●	●	●	●	●				415-945-1458 schoolprogram@marinwater.org
Assemblies	●	●	●	●	●	●	●							831-426-0684 zunzun@zunzuntunes.com
Service Learning						●	●	●	●	●	●	●	●	415-945-1128 volunteerprogram@marinwater.org
Trout in the Classroom	●	●	●	●	●	●	●	●	●	●	●	●	●	classroomaquarium.org Ethan.Rotman@wildlife.ca.gov

● Field Trips to the Mt. Tamalpais Watershed

WATER CONSERVATION WALK

Grades 3-5

Join us on a walking tour of the Mt. Tamalpais Watershed and learn about ecology, water supply, and water conservation. This field trip is designed to teach students about the source and use of their water while inspiring them to take action to conserve this precious resource. A typical Water Walk field trip covers approximately 1.5 miles of fairly flat terrain and takes about 2.5 hours to complete. A classroom visit prior to or following the field trip is encouraged. Minimum of 20 students required. For additional information or to schedule, contact MMWD at 415-945-1458 or schoolprogram@marinwater.org.

WATERSHED ECOLOGY & RESTORATION

Grades 3-5

Bring your students outdoors to the beautiful Mt. Tamalpais Watershed to gain an appreciation for this unique natural environment. Our 3-hour field trip offers a hands-on, place-based learning experience through direct participation in habitat restoration. Students also enjoy high-energy ecology games and receive an introduction to our water's path from "watershed to tap." A classroom visit prior to the field trip date prepares participants for the field day and allows for discussion around ecology, restoration, and watersheds. We can accommodate up to 30 students per trip. For additional information or to schedule, contact MMWD at 415-945-1128 or volunteerprogram@marinwater.org.



FIELD SCIENCE & RESTORATION

Grades 10-12

Through stewardship, students learn about the ecology of our local watershed and forests, as well as water conservation and supply, while contributing to meaningful scientific research. Our high school trips include an introduction to the ecology of the watershed, a quantitative field biology lesson on sudden oak death and invasive plant species, and a habitat restoration component. In addition to the 3-hour field trip, our staff makes a classroom visit to prep the students and to give a lesson on ecology and watersheds. We can accommodate up to 30 students per trip. For additional information or to schedule, contact MMWD at 415-945-1128 or volunteerprogram@marinwater.org.

For all field trips, school is responsible for providing transportation to and from the watershed location, unless school applies for and receives a school bus reimbursement. If your class is participating in a Water Walk or Watershed Restoration field trip AND Trout in the Classroom, consider combining activities for one day in the field.

SCHOOL BUS REIMBURSEMENTS

MMWD will reimburse transportation costs, up to \$500, to schools that book an MMWD-guided field trip to visit the Mt. Tamalpais Watershed. A limited number of reimbursements are available on a first-come, first-served basis. Schools may reserve reimbursement funds after scheduling a field trip. For additional information, contact MMWD at 415-945-1458 or schoolprogram@marinwater.org.

Classroom Presentations

WATER CONSERVATION & SUPPLY

Grades 3-12

Let an MMWD water expert teach your students about the water cycle, our local water supply, watershed ecology, and water conservation. These fun and informative grade-appropriate classroom presentations last 30-45 minutes and can be scheduled alone or in conjunction with the “Do-It-Yourself Water Conservation” program described below. Bilingual (Spanish-English) presentations are available. For additional information or to schedule, contact MMWD at 415-945-1458 or schoolprogram@marinwater.org.



DO-IT-YOURSELF WATER CONSERVATION

Grades 3-12

Take action to save water now! An MMWD water expert will visit your classroom and teach your students how to check and improve their water use efficiency at home using a “Student Water Conservation Workbook.” MMWD will provide free showerheads and faucet aerators to replace wasteful ones, as well as a small prize to each student who completes the work. Parental assistance is necessary to complete the home evaluation work. Given the time and resources needed to deliver this program, we request teachers sign up only if they feel they can achieve at least a 50% participation rate by their students. Teachers who are willing to assign the project as homework usually have the highest participation rates. For additional information or to schedule, contact MMWD at 415-945-1458 or schoolprogram@marinwater.org.



More Opportunities

STEM ALIGNED ONLINE CURRICULUM

Grades 4-9

Help your students develop the core science, technology, engineering, and math (STEM) skills needed for school and career achievement. Through STEMhero, all students read their home or school's utility meters, synthesize and interpret consumption data, and engineer and test real-world solutions to save water and energy. MMWD is sponsoring a limited number of teacher licenses (valued at \$199/year), which allow for unlimited access for your students for one year. Visit STEMhero.com to learn more about this hands-on, standards-aligned curriculum, then contact MMWD at 415-945-1458 or schoolprogram@marinwater.org to find out how to participate.

ASSEMBLIES

Grades K-6

Learn all about watersheds and water conservation in a lively and humorous musical performance! This show is presented by ZunZun, an award-winning performing arts group specializing in environmental education. Every year ZunZun and MMWD create a new assembly celebrating water. This year's assembly will be fun, engaging, and filled with Next Generation Science Standards (NGSS) information and ideas! Minimum attendance of 100 students is required. Bilingual (Spanish-English) shows are available. Contact ZunZun at 831-426-0684 or zunzun@zunzuntunes.com to schedule.

SERVICE LEARNING

Grades 5-College

Students ages 10 and up can earn service learning credits by volunteering on the Mt. Tamalpais Watershed. Reserve a spot at one of our Saturday Trail Crew or Habitat Restoration events. In the spring train to be a Turtle Observer and monitor the lakes and educate the public about our native pond turtles. Customized field projects may be available by request. For additional information or to schedule, contact MMWD at 415-945-1128 or volunteerprogram@marinwater.org.



PARTNER PROGRAM: TROUT IN THE CLASSROOM

Grades K-12

Through the process of hatching trout eggs and releasing fish into an approved waterway, students gain a deep understanding of the importance of clean habitat, what animals need to survive, and the role students can play to make this happen. Teachers complete a workshop and receive financial and volunteer assistance through North Bay Trout Unlimited, California Department of Fish and Wildlife, MMWD, One Tam, and AmeriCorps Watershed Stewards Project. For information, visit classroomaquarium.org or contact Ethan Rotman at Ethan.Rotman@wildlife.ca.gov.



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WATER DISTRICT

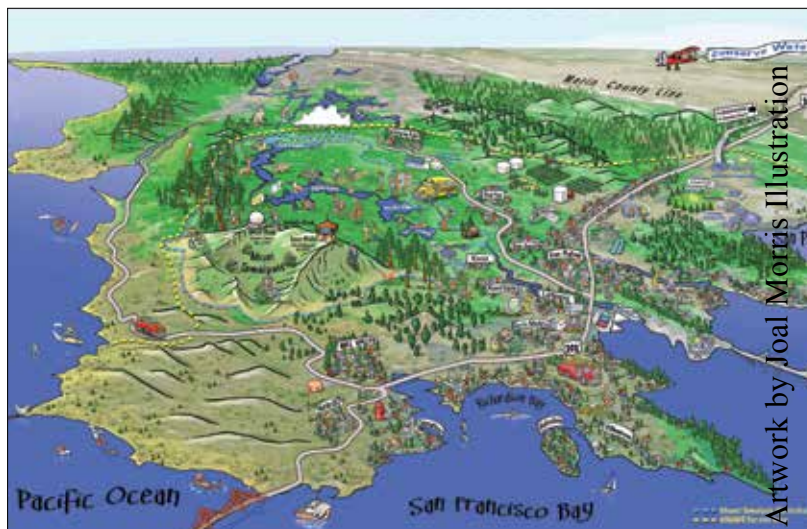
220 Nellen Avenue
Corte Madera, CA 94925

**Water Wonders
2016-17 School Year
Water Education
Programs for Grades
K-12**

marinwater.org

Free MMWD Poster

Teach your students about where their water comes from and how they can help conserve this precious resource. This fun and colorful illustrated 36" x 24" poster depicts MMWD's watershed, reservoirs, and treatment plants, as well as the people, plants, and animals who share our water supply. To request a free copy for your classroom, contact MMWD at 415-945-1196 or publicinformation@marinwater.org.



Water Education Program Information

All programs are offered at no cost to schools located in the Marin Municipal Water District's service area. Programs are offered on a first-come, first-served basis, subject to change or cancellation at any time.

We welcome your feedback and your ideas for other water education programs. Email us at schoolprogram@marinwater.org.

