

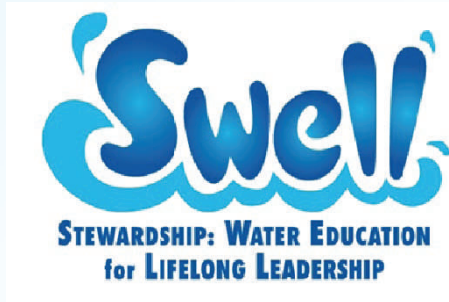


## Pure News

Welcome to Pure News, a newsletter about Pure Water San Diego, the City of San Diego's multi-year program to address the need for a safe, secure and sustainable local water supply.

### New 5th Grade Project SWELL Kit Featuring Pure Water to Launch in November

A brand new lesson about Pure Water San Diego will be featured in the Project SWELL 5th grade science curriculum for San Diego Unified School District (SDUSD) classes starting this November! 5th grade SDUSD teachers are invited to attend one of two upcoming professional development sessions to learn the updated curriculum and receive a kit of lesson plans, presentations and activity supplies to aid in teaching their students.



The free professional development sessions will take place at the City's North City Water Reclamation Plant. As part of the sessions, teachers will tour the demonstration Advanced Water Purification Facility and have the opportunity to see the water purification technology up close.

[Project SWELL](#) is a partnership between San Diego Coastkeeper, Think Blue San Diego and SDUSD. The goal of the program is to promote environmental stewardship among San Diego youth, while also enhancing educational opportunities for local students and providing resources for teachers. The STEM lessons incorporate Next Generation Science Standards and Common Core State Standards.

The Pure Water lesson will guide teachers through a Prezi presentation that includes vocabulary, water cycle diagrams, videos about the water purification process and interviews with program engineers.

Students will then work in groups to do an interactive activity that models the three-step water purification process and takes water from "dirty" to "purified."

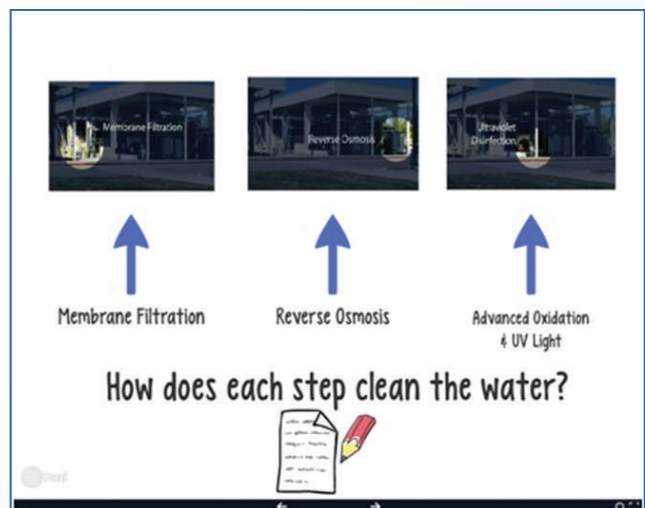
The 5th grade curriculum also features lessons about San Diego's water supply sources, water conservation, storm drains and wastewater treatment.

Teachers, sign up today to reserve your spot!

#### Professional Development Sessions for 5th Grade San Diego Unified Teachers:

- Saturday, Nov. 7, 2015, 9 a.m. to 12 p.m. Get more details and sign up [HERE](#).
- Saturday, Nov. 14, 2015, 9 a.m. to 12 p.m. Get more details and sign up [HERE](#).

We look forward to working with teachers and bringing information about Pure Water San Diego to local 5th graders!



The Pure Water lesson features a Prezi presentation.

## Get Schooled in Water!



### Water School

Enrollment is open for Pure Water San Diego's water school!  
Get schooled about San Diego's water and win a free reusable bag!

Here's how:

1. Look out for your study "cheat sheet" on #WaterWiseWednesday
2. Post your answer to our quiz question on Thursday



3. Tag it #WaterSchool and @PureWaterSD



@PureWaterSD  
#WaterSchool

Water is a top-of-mind issue for many right now, and our new **#WaterSchool** feature on our Facebook and Twitter pages will give you the chance to learn more about the City of San Diego's water and Pure Water San Diego. In addition, you can win a Pure Water reusable bag for participating!

It's as easy as 1-2-3!

1. Look out for your study "cheat sheet" every Wednesday that has fun facts about water
2. Post your answer to our quiz question on Facebook or Twitter on Thursdays
3. Tag your post #WaterSchool and @PureWaterSD

We will pick a winner every week on Facebook and Twitter to receive a free reusable bag! We hope to see you at **#WaterSchool** online!

## Sharing Pure Water's Story at the WaterReuse Symposium

John Helminski, Assistant Director of the City of San Diego's Public Utilities Department, presented at the 30<sup>th</sup> Annual WaterReuse Symposium on September 14 in Seattle. He discussed how the Pure Water San Diego program addresses San Diego's water supply needs and challenges.

Pure Water San Diego will use proven technology to purify recycled water and produce up to one-third of the City of San Diego's drinking water locally. The program also benefits San Diego's wastewater system by significantly reducing the amount of wastewater that would be sent to the Point Loma Wastewater Treatment Plant and discharged into the ocean.

The annual WaterReuse Symposium brings together water managers and industry leaders to network with the best and brightest in the field and learn what's working and what's next in water reuse policy, operations, technology and community outreach. John's presentation was part of a session titled "Next Horizons in Water Supply Resiliency" and he presented alongside representatives from the Santa Clara Valley Water District and City of Los Angeles Bureau of Sanitation. The session was attended by more than 100 water industry leaders from around the country.



Left to right: John Helminski, City of San Diego Public Utilities - Pure Water San Diego Program; Hossein Ashktorab, Santa Clara Valley Water District - Silicon Valley Advanced Water Purification Center; and Doug Walters, City of Los Angeles Bureau of Sanitation - One Water LA

## What's New in...Youth Education

The next generation of San Diegans will make decisions about future water supply solutions, which is one of the reasons the City has a strong focus on teaching youth about Pure Water San Diego. Some recent youth program activities include hosting tours for middle school students participating in a robotics challenge and giving interactive presentations at the International Desalination Association Education Day to demonstrate the water purification process.

### Advanced Water Purification Facility Tours

In preparation for this year's Lego League First Robotics competition, students from Meadowbrook Middle School and Longfellow Elementary School toured the Advanced Water Purification Facility. The competition introduces students to real-world engineering concepts, and this year's "Trash Trek" challenge asks students to reuse things you might normally not think to reuse. The students were interested in learning more about San Diego's water and how wastewater is cleaned to produce both recycled water and drinking water.



*Students toured the Advanced Water Purification Facility to learn about how water can be reused over and over again.*

### International Desalination Association Education Day

On September 2, Pure Water staff participated in the International Desalination Association Conference Education Day at the San Diego Convention Center. As part of the Education Day, more than 300 middle school students from San Diego County schools rotated through a number of different booths to learn about water reuse.

At the Pure Water booth, staff asked students questions about San Diego's water sources, presented about the Pure Water program, and explained the process from when water leaves your home to when it would be clean enough for drinking. Then, the students had the opportunity to participate in an interactive activity that models the water purification process (similar to the activity that will be part of Project SWELL!). The students also examined real cut-outs of membrane filtration filters and reverse osmosis canisters.



*Students from middle schools throughout San Diego County visited the Pure Water booth to learn about water purification.*

## Get Involved

### Advanced Water Purification Facility Tours

Since June 2011, the demonstration Advanced Water Purification (AWP) Facility has been open for free tours. Taking a tour is a great way to not only learn more about water purification, but also to see the state-of-the-art technology up close. Tours last about an hour and involve a presentation and a walking tour of the facility. You must register in advance; we offer public tours every month, and you can also contact us to schedule a private tour for a group of ten or more.

### **Upcoming Public Tours:**

Friday, October 23, 11:30 a.m.

Wednesday, October 28, 1:30 p.m.

Friday, November 13, 11 a.m.

Wednesday, November 18, 11:30 a.m.

Visit [www.purewatersd.org/tours](http://www.purewatersd.org/tours) to sign up!



### Community Presentations

In addition to tours, we also offer community presentations. A member of our team will come talk to your organization about the latest program information and will answer your questions. Presentations generally last 20-25 minutes. Request a presentation at [www.purewatersd.org/presentations](http://www.purewatersd.org/presentations).

### Upcoming Event

#### San Diego Science Alliance High Tech Fair

Del Mar Fairgrounds

Student/Parent Night, Wednesday, October 14, 5 p.m. to 7 p.m.

School Field Trip Day, Thursday, October 15, 8 a.m. to 2 p.m.

Support Pure Water San Diego? Visit [www.purewatersd.org/isupportpurewater](http://www.purewatersd.org/isupportpurewater) to add your name to the list of individuals who are in favor of moving forward with this important program.

 @PureWaterSD



### Get the latest online

Use your barcode-scanning app of choice to scan the quick response (QR) barcodes to the left and right.

Not receiving email updates from Pure Water San Diego? Sign up at [www.purewatersd.org](http://www.purewatersd.org) or email [purewatersd@sandiego.gov](mailto:purewatersd@sandiego.gov).

 PureWaterSD



To schedule a presentation for your organization, visit [www.purewatersd.org/presentations](http://www.purewatersd.org/presentations).

Visit [www.purewatersd.org/tours](http://www.purewatersd.org/tours) to sign up for an AWP Facility tour.



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