

SCHOOL OUTREACH PROGRAM

Inspiring STEM careers



MEET RACHEL, OUR TUNNELING MACHINE

OUR GOAL

The Los Angeles County Sanitation Districts are building the Clearwater Project to protect local waterways by addressing aging infrastructure. The project includes a new 7-mile tunnel to reliably take cleaned water from the agency's largest wastewater treatment plant to the ocean.

As part of the project's community outreach, we are seeking to inspire careers in science, technology, engineering and math (STEM) by offering in-person and virtual tours of our wastewater (sewage) treatment plants, landfills and recycling facilities. We also provide presentations on environmental stewardship, water recycling and the engineering used to build critical infrastructure like the Clearwater Project tunnel. Visit www.clearwater.lacsd.org to book a tour or presentation and to learn more about this important project.

RESOURCES OFFERED

Presentations and Tours



TOUR:

WASTEWATER TREATMENT PLANTS

Learn how wastewater (sewage) is converted into clean water that essentially meets drinking water requirements.

VIRTUAL TOUR:
LANDFILL & RECYCLING FACILITIES

Learn about the protective measures that are used to safely manage solid waste (trash) and the systems to convert the resulting biogas into energy. Also discover how recyclables are recovered.



OLIVIA'S CLEAN WATER ADVENTURE
Free Online Presentations

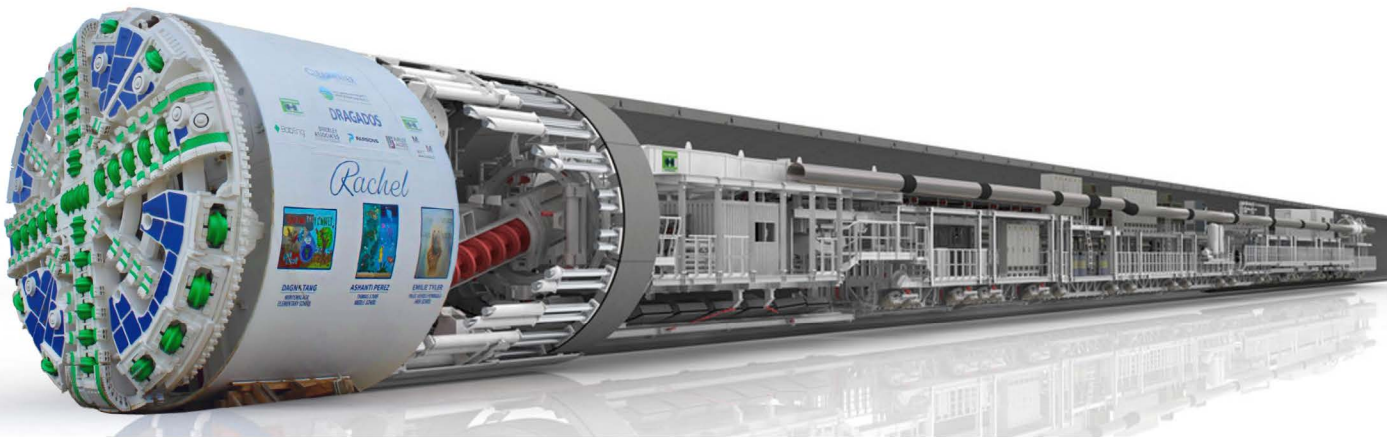


ONLINE PRESENTATION:
"OLIVIA'S CLEAN WATER ADVENTURE"

See through the eyes of Olivia the Otter as she encourages environmental stewardship and promotes ways to keep our waterways clean. This presentation is geared for grades 4 and 5.

ONLINE PRESENTATION:
HOW WE BUILD MODERN TUNNELS

Learn how our tunneling machine "Rachel" is building a 7-mile tunnel without being noticed at the surface. This presentation is designed for all grade levels.



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