



THE FAIRFIELD-SUISUN

# WATER RESILIENCE EDUCATION PROGRAM



FUNDED BY

# Overview

Piloted in the 2023-2024 school year and continued in 2024-2025 and 2025-2026



Middle school students in the Fairfield-Suisun Unified School District

Partnership with the Solano Resource Conservation District

Funded by the Governor's Office of Land Use and Climate Innovation

\$40k grant fully funded the 2024-2025 school year

WINNER OF THE 2025 AWARD OF EXCELLENCE IN PUBLIC EDUCATION AND OUTREACH FROM CASA



## PRE- LESSON

### FSSD VISIT



WWTP TOUR



LAB AND  
OPERATIONS TOUR



COMMUNITY  
ENGAGEMENT



PLUG PLANTING

## POST LESSON

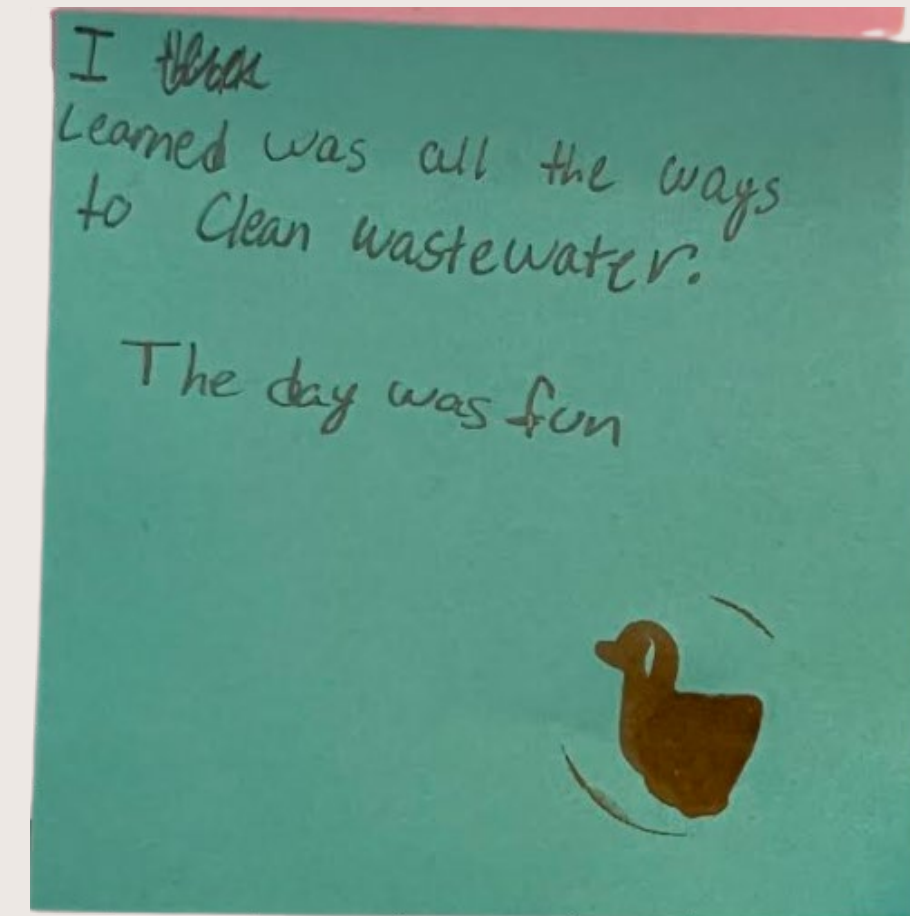
# PROGRAM STRUCTURE





## WWTP TOUR

Students explore various treatment stages at the FSSD facilities, guided by expert staff and gaining firsthand insights into water management technologies





# LAB AND OPERATIONS TOUR

FSSD professionals share insights about their careers in lab and operations, engaging with students through an informative Q&A session.



IF EVERYONE CARED ABOUT THE WILDLIFE AND WATER would their be better water~~s~~ and no pollution?  
I learned that even though it smells and disgusting it helps our water.





# COMMUNITY ENGAGEMENT

Solano RCD educators lead discussions on climate resilience, where students actively participate and vote on future resiliency projects.



One thing I liked here was the friendly team.

**WETLANDS SOAK UP RAINWATER LIKE A BIG SPONGE! THIS HELPS STOP TOO MUCH WATER FROM FLOODING NEIGHBORHOODS AND CITIES.**

**Wetlands are natural filters that remove extra nutrients from water, preventing harmful algae growth.**

**Restoring wetlands creates a healthier habitat for wildlife while also strengthening the land against climate change impacts.**

**PROBLEM:** EXTRA NUTRIENTS IN WATER CAUSE HARMFUL ALGAE TO GROW QUICKLY, MAKING IT DIFFICULT FOR PLANTS AND ANIMALS TO SURVIVE.

**SOLUTION:** CREATING WETLANDS WILL FILTER OUT EXCESS NUTRIENTS, IMPROVING WATER QUALITY AND SUPPORTING WILDLIFE. THESE WETLANDS WILL ALSO BUILD UP LAND, HELPING TO PROTECT AGAINST FLOODS AND RISING SEA LEVELS.

**RESTORED WETLANDS**

FUNDED BY: [Logos for various funding sources]





# PLUG PLANTING

Led by Solano RCD's restoration team, students participate in a plug planting session, learning about and contributing to pollinator habitat support.

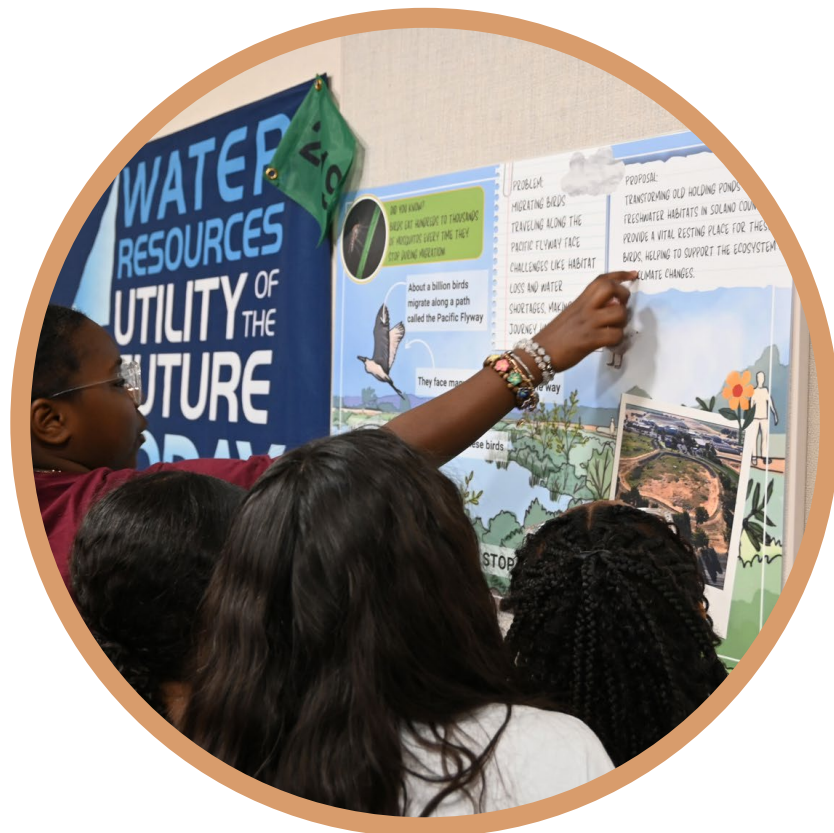


I enjoyed planting plants with the dibbler! I also learned what a dibbler is 😊  
Ravi 😊



# THE NUMBERS

(SO FAR)



**800+**

students that have learned about FSSD, wastewater treatment, and climate resiliency.



**1200+**

native plug plants were planted by students to support pollinator species.



**30**

volunteers and staff throughout FSSD and Solano RCD that contributed to the program's success.





# LESSONS LEARNED



## HELPFUL RESOURCES

Solano Resource  
Conservation District



## RIGHT AUDIENCE

Find the right fit for your  
program!



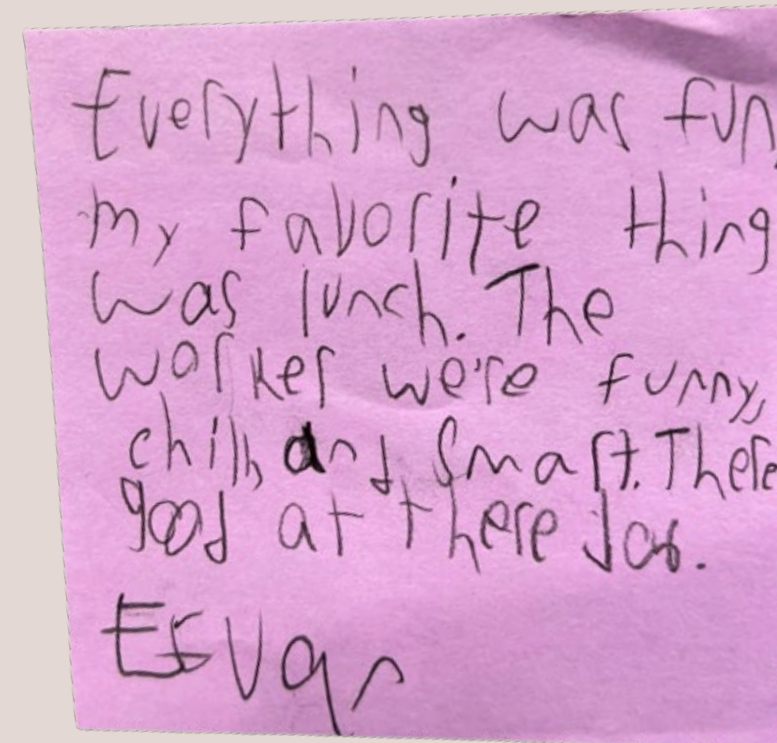
## COMMUNITY MEETINGS

An effective way to  
engage young audiences.

# THANK YOU



***SCAN THIS  
CODE TO  
ACCESS THE  
FSWRP  
RESOURCES***



*Everything was fun.  
My favorite thing  
was lunch. The  
workers were  
funny, kind, and  
smart. They're good  
at their job.*



**SOLANO**  
Resource  
Conservation  
District



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***MHERSTON@FSSD.COM***

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