

Objective

Engagement of youth (11th and 12th graders) in water conservation through monthly field trips to Oliver Lee State Park

WHY?

New Mexico has one science standard HS-ESS-1-4 that addresses water conservation in New Mexico, as well as other ecological issues. This standard is missed frequently, as it comes at the end of the school year, as teachers are rushing to complete curriculum before spring state testing

Collaboration Efforts

- Holloman K12 Air and Space STEM Outreach Coordinator, Heather Kangas
- New Mexico State University faculty, Dr. Manoj Shukla
- Oliver Lee State Park Staff
- Alamogordo Public Schools
Teachers, Ms. Misty Ferguson,
Ms. Alison Onate, and Mrs. Jourjine Sab
Teaching and Learning Technology
Specialist Ms. Jessica Lopez



Procedure

Last year, 24 students took monthly trips to Oliver Lee State Park



Procedure

Water quality testing was conducted each trip



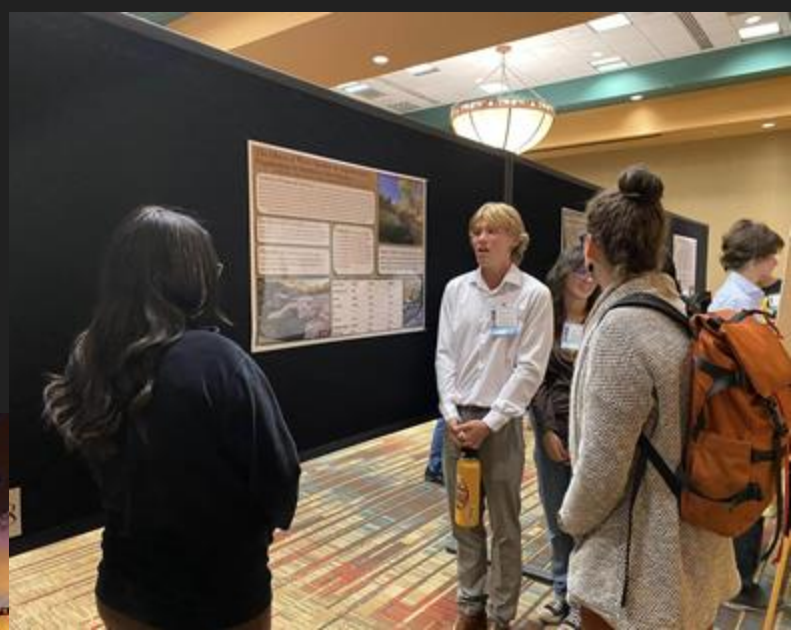
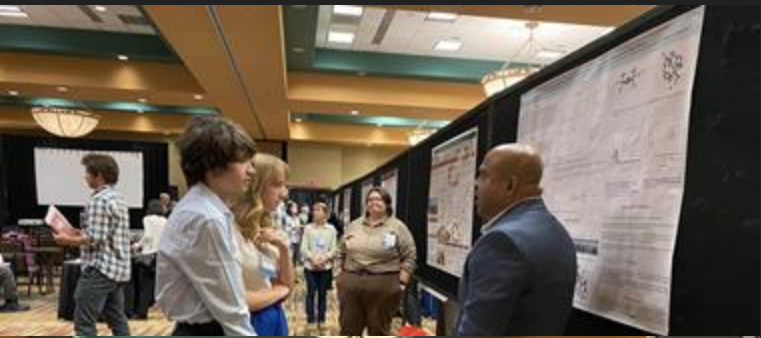
Air and weather data was also collected



We got the kids
OUTSIDE!



68th Annual NM Water Conference



Impact

My 24 APES students taught 40 1st graders



Impact

My 24 APES students taught 16 AP Biology students and 58 STEM Camp students



Impact

At the beginning of the school year, 1 student wanted a future in Environmental Science.

At the end of the year, 4 additional students wanted a future in Environmental Science. Two of my former APES students are enrolled at NMSU in PES degrees, one is pursuing a career path in computer science that he hopes will incorporate Environmental Science. One student wants to study water law and one student, in addition to changing her career and college goals, started the Green Club at the high school so additional students not in class can learn about environmental science.

NOW

This year, there are 43 students enrolled in APES.

There are 24 members of Green Club (4 former APES students, 4 current APES students)

We are continuing our project



Now





Youth Engagement in Water

Get into schools and find a way for you to have an impact.

Meet the kids- Go to them, yes you need a background check

Bring them to you- More hoops, but more engagement

Big idea that maybe no one wants to hear... A person or two hired specifically to do water outreach in our state- similar to the Air Force STEM Outreach program

My favorite photo opp

