



Pond- Ammonium

PROJECT SUMMARY

In this project students work together to learn about ponds and how to make the ACE pond functional. Students learn about ecosystems, the nitrogen cycle, and math equations to apply experiments. They explore their own identity and reflect on positive balance in their life for a social-emotional aspect of outdoor space.



WHAT STUDENTS CREATED

Students used biology/ecology and algebra/geometry to improve the ACE Pond. They cleaned the pond and designed/installed a new waterfall to support filtration. They created a product to support and show their learning about the nitrogen cycle.



CREDITS OFFERED

Biology, IMP 1 and 2, Environmental Science, Ecology

DRIVING QUESTION

How do we use math and science to support life at the ACE Pond?

INDUSTRY PARTNERS

- Mud Monsters Pond and Landscape
- Bosque Ecosystem Monitoring Project
- COA Botanical Gardens/ Aquarium & Zoo

CULMINATING EXPERIENCE AND/OR EXHIBITION DESCRIPTION

For the final exhibition students created presentations to demonstrate their learning and use of biology, ecology, algebra, and geometry to improve the ACE pond.