Living Green with STEAM

Taking on the Ocean Challenge!

What’s next in Week 3?

Circuit Circus: Coding, Circuitry, and the Power of Computers!
PEACOCKS/BEES

STEAM Teacher: Ms. Chantel

This week we expanded on last week’s idea by taking a look at how we impact our oceans and waterways. We started the week by taking a look at different water systems such as dams and water filtration. Then we applied what we learned about creating power from these systems. We took a close look at coral reefs and shorelines, seeing the impact of pollution in these areas. The children created mock oil spills in small containers trying out different ways to remove the oil from water. We then switched gears to focusing on water density, performing experiments that test out what sinks and floats.

HAWKS

STEAM Teacher: Ms. Williams

The Hawks learned all about sea turtles this week and how plastic pollution has affected their living environment. They made paper mache models of different turtle species and shot informative stop motion videos to show the life cycle of sea turtles. They used their time in the Innovation Lab to create moving collages that show different ocean habitats and how turtles sometimes confuse plastic bags for jellyfish. Check out their collage videos here!
COUGARS
STEAM Teacher: Mr. Collazo

This week, the Cougars attempted to design solutions to problems that face our oceans, including plastic pollution and oil spills. They experimented with different water filtration systems that allowed them to separate oil and designed contraptions to model water aqueduct systems. As they became strong ocean advocates, they planned, sketched, and printed prototypes of their own ocean voyager ships using the 3D printers in the Innovation Lab. Each design was put to a wave test to better understand its viability. Ships were then redesigned based on its wave test performance.

FRIDAY MAKER SPECIAL
Special Guest: The GIANT Room

Our friends from the GIANT Room came back this week to further assist us in our ocean awareness project. Together, we created an interactive ocean collage that featured plastic art and light up sea creatures. Campers were further challenged to embed sounds into their sea creatures through coding a Makey Makey circuit board on Scratch.

Keep on caring for your environment and being passionate ocean advocates. Thank you for taking on this week’s challenge with us!

Warmly,
The STEAM Camp Team