Beyond R2D2

STEAM-powered Robolution!

What's next in Week 5?

Block-by-Block: Build, Test, and Create
PEACOCKS
STEAM Teacher: Ms. Chantel

This week the Peacocks were focused on all things robots. We started the week with popcorn brainstorming what we already knew or thought about robots. We learned that robots do not work without programs from us. To give us hands-on robot programming experience we worked with Mouse and Go bots all week long. Working in small groups the children set up mazes for their mice to travel through. Later in the week they choreographed moves for their mice and had a dance party with them. The peacocks also engineered a robotic hand out of straws, yarn, and paper.

BEES
STEAM Teacher: Ms. Williams

The Bees spent this week exploring robots! They started with exploring how we use robots in our everyday lives. Through hands-on practice they were able to program their Bee bots to follow simple commands, like making their bots go right and left. By mid-week they collaborated in groups to create complex mazes out of recycled materials and legos. Then the challenge really began, and they had to program longer sequences as they tried to get their Bee bots to complete each other’s recycled mazes. They cheered each other on and tried again with great zeal when they made mistakes. It was a week filled with learning, fun and all things robotic!

"Look, I built the 'undefeatable' robot. He works even when he's upside down."

- Henry, Cougars
**COUGARS**

STEAM Teacher: Mr. Collazo

The Cougars created simple robots that made colorful art using motors and markers. Using the Mars rover livestream from NASA as inspiration, campers built and programmed Lego Mindstorms robots for embarking on a journey to Mars to study rocks. The Cougars also collaborated on CoSpaces to design 3D virtual reality escape rooms. Throughout the week, the Cougars learned how to drive and program various robot technologies. They then formed teams to customize Dash and Dot robots in order to create their own life size, Mario Kart-inspired racing circuit. They synced their controllers, launched catapults from Dash, and raced to the finish line. Go Cougars!

"Look at how fun this is! 3D drawing!"
- Dash, Hawks

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**HAWKS**

STEAM Teacher: Ms. Carpenter

This week the Hawks learned about how robots follow the instructions or code written by a programmer. To start the week, the Hawks practiced their programming and debugging skills without a computer by writing instructions for another student to build a stack of cups without seeing it. The Hawks then built their own robots that created original works of art after discussing whether or not robots could be creative. For the rest of the week, the Hawks practiced programming Dash Robots to move around the room, light up, look around, and complete mazes they designed.
FRIDAY MAKER SPECIAL

Special Guest: The GIANT Room

We ended the week with a series of robot battles along with our friends from the GIANT Room. Campers formed teams and designed their own littlebits robots and bristle bots. They added straw spikes, cardboard bulldozers, and balloon targets to strengthen their designs. They challenged, cheered, repaired, and battled again until there was only one left standing! What an exciting Friday!

You are all Robo-champions! Thank you for making with us!

Warmly,
The STEAM Camp Team