



FOURTH DAY

HERE'S WHAT'S HAPPENING AT CAMP!

MOD MY MINI MANSION™

Electronics have a way of communicating called Binary Code! Today we practiced coding by connecting two devices in our Mini Mansions!

ROBOTIC PET VET™

Today, we constructed amazing attractions for a dog park that our robotic pups will enjoy. Using a hammer and nails, we turned our ideas into real structures. From veterinarians to construction managers, we've had a chance to wear a lot of different hats this week.

OPTIBOT™

Up, up and away! We took to the skies and heard about how sensors are used to detect and put out forest fires. Then we designed our own invention that attaches to a helicopter to put out forest fires, just like the Bambi Bucket®, which was invented by National Inventors Hall of Fame Inductee Don Arney.

STICK TO IT™

We got the Green Light challenge today, and it sparked some creative thinking. We wired parallel circuits to light up green LED lights. Then we explored how to use the lights in a new invention idea to create patent-worthy solutions!



CAMP INVENTION AT HOME

SUPER SENSES!

The Optibot uses an optical sensor to detect a dark line on a white paper. This is similar to how the human eye responds to changes in light.

Stimulate your senses by trying these fun tricks!

- Place your hand in a bowl of cold water, then put it in a bowl of hot water (but not too hot). What did you feel?
- Sit outside in a safe place and close your eyes. How many different sounds can you identify?
- Go from a bright room to a really dark room. Can you see anything? What happens if you wait 5 minutes?



CONNECTION QUESTIONS

1. When did you feel most proud of yourself today?
2. Which team member do you like working with the most? Why?
3. What's the coolest thing you saw someone create today?



Cut and tape edges together

B

Cut and tape edges together

C



Optibot Speedway

This is part three of the four-part track for your Optibot. If you missed the Day Two newsletter that starts the track, grab a black permanent marker and some paper to make your own track! *(Be careful not to get marker stains on the table!)*