

# Sneak Peek!

## Paper Pioneers

Hey, Earthlings! We've got a mission to save our planet—one sheet of paper at a time! Join our team of eco-heroes and learn the ancient art of hand papermaking! Get ready to tear, blend, dip, and decorate.

Step into the world of coding and create your own step counter! Use microbits to build and program a pedometer that tracks every move—ready, set, count!

## StepBot Bonzana

## Sound Meter


Solder your way to creating a sound meter and learn the secrets of measuring volume with your very own electric circuit!

Dive into action! Design and build a trash collector to clean up an oil spill and save marine life, while navigating the challenges of floating debris and hidden trash.

## Ocean Collector

## Gel-lock Holmes

Crack the case! Use gel electrophoresis to identify the ideal organ donor and learn about DNA, forensics, and biomedical engineering through a hands-on investigation.



Our bees are in trouble, and we need your help! Design and build an apparatus to collect pollen and nectar, and cross-pollinate flowers just like real bees. Let's save the hive!

## Nectar Quest

## Straw-ning Bridges

Can you build the strongest bridge using straws for your base? Put your engineering skills to the test and create a bridge that can withstand the most weight. Ready, set, build!




Race against time to design and build a thrilling marble rollercoaster! Compete to see whose marble can navigate the track fastest without stopping or falling off. Get ready to step up to this challenge!

## Marble Mania

## Cabbage Cooks


Discover the hidden colors in cabbage! Learn how to use this amazing vegetable to create natural pH indicators and conduct exciting experiments. What colors will you uncover?



Get ready to design, build, and program your very own robot dog using LEGO EV3 kits! Delve into mechatronics engineering as you explore the exciting world of robotics!

## Robo Pals

## DIY Circuits



It's time to go beyond the board! Now it's your turn to build the circuit by selecting your own components and creating your own layout using CAD software.



It's time to go out on your own odyssey! Seek and scavenge for STEM secrets situated on site (with super special supervision)! Will you find them all?

**Scavenger Hunt**

**Camp Trivia**

Wrap up our week together with some trivia related to what you learned in camp!

The ultimate end of the week, with various high-energy outdoor minigames to cap off your week at ESQ!

**Friday Fun**

