Engineering Science Quest
UNIVERSITY OF WATERLOO

Curiosity B

Sneak Peek!

Colour Changing Creatures

Learn about UV and the sun while creating a colourful parrot buddy out of beads! Make a parrot keychain using special UV beads that change colour in the sunlight.

Bean There, Grown That

Achieve your green thumb and become experts about the life cycle of plants, including the things that seeds need to grow! Plant your own bean seeds in a cup and watch it grow throughout the week.

Food Chain Frenzy

Learn about herbivores, omnivores, and carnivores while exploring how animals survive in nature through an exciting food chain tag game! Use strategy to hunt, hide, and survive! (Not facilitated during Week Aug 4-7)

Cave Critters

Become a cave explorer while you learn about caves and the amazing animals that live inside them! Then, create your own cave creature with special adaptations to help it survive! (Not facilitated during Week Aug 4-7.

My Microbit Mixtape

Learn about coding and sound while creating your own virtual name tag using micro:bits! Take it one step further by creating your own custom theme song using code!

Mysteries of Matter

Become matter scientists and explore the strange properties of non-Newtonian fluids! Investigate and experiment with Oobleck to discover whether it acts like a solid or a liquid.

Dinosaur Bones and Tracks

Step back in time with a visit to the Earth Science Museum on campus! Examine real dinosaur bones and fossils! (Not facilitated during August 10-14 - instead, campers will build aluminum foil boats in Sink or Sail)!

Build-a-Bot

Discover how robots use artificial intelligence and sensors to interact with the world around them while designing your very own AI robot blueprint! (Not facilitated during Week Aug 4-7)

Cyber Spies

Solve an exciting identity theft mystery when you become a Cyber Spy! Learn how to stay safe online and how to protect your personal information.

Cosmic Coding Quest

Explore coding and space travel while helping the Ozo-Spaceship return home from Pluto! Use coding to rebuild a broken path to guide the spaceship safely back to Earth.

Heart Health Heroes

Become heart health heroes and explore how the heart works through fun exercises and movement activities! Then, measure and compare heart rate to see how exercise affects the heart.

Fast and Curious

Let's speed things up a notch while we explore how forces like gravity and friction affect motion. We will design and build epic ramps for a Hot Wheels car!

The Artemis III

Have you ever tried landing a space-ship? Explore the engineering cycle while designing a spacecraft that can safely land on Earth and protect your very own pipe cleaner astronaut!

Butterfly Fly Away

It's time to become metamorphosis experts as we learn about the butterfly life cycle. Then, join in while we play a massive game of metomorphosis rock, paper, scissors!

Jungle'neers

Become jungle engineers as you design and build the tallest LEGO tower possible using a limited number of bricks! Then, graph your results and see whose tower rises above the rest of the jungle.

Drone Detectives

We need your help to save our farm as you learn how farmers use drones and sensors to monitor crops and detect pests in precision agriculture! Work in agri-tech company teams! (Not facilitated during Week Aug 4-7)

Fizzy Frosty Meltdown

It's getting hot in here! Learn about chemical reactions by creating foaming fake snow, then watch your snowmen fizz and melt away as you discover how chemical reactions change materials.

Liquid Nitrogen Ice Cream

Witness the science and taste the difference! Our liquid nitrogen ice cream is made fresh on the spot for an irresistibly creamy treat.

Camp Trivia

The challenge is on! Test your knowledge, earn bragging rights, and see if you can outsmart your fellow campers in an exciting trivia competition.

Friday Fun

Finish your week in style with ESQ's ultimate afternoon of fun! Enjoy larger-than-life games, splash-filled activities, icy Freezies, and creative chalk drawing adventures!

We are so excited for you to join us at camp!

A network member of actüa