Engineering Science Quest
UNIVERSITY OF WATERLOO

Curiosity C

Sneak Peek!

Fishy Features

Dive into an underwater world where shiny fish, bright colours, and creativity swim together!

Bit Box Battle

Can YOU outsmart a robot in Rock, Paper, Scissors? Train your micro:bit and discover how AI makes decisions!

Mission: Grow Start

Farmers need smart technology too! Can you build a system powerful enough to grow the future of farming? This activity will not be facilitated during the short week: August 4-7.

Tower Escape

Rapunzel needs help... but there's one problem: no hair! Can your engineering team build a rescue pulley in time?

Jurrasic to Farmland

Jump into the wild world of evolution as you join in an outdoor extravaganza of Rock, Paper, Scissors Evolution. Each throw unveils the fascinating journey of animals through time in a playful quest!

Buzz and Glow

What do bees, bugs, and glowing fireflies have in common? Electricity is about to bring them to life!

Mirror Magic

Twist, turn, and watch light explode into endless colourful patterns right before your eyes!

Hop into Habitats

Leap into the life of a frog and learn how these amphibians have adapted to escape predators, catch their prey, and thrive in diverse environments.

Ready Set Launch

3...2...1... LAUNCH! Can your mini catapult send objects flying farther than everyone else's?

Code Crusaders

Embark on an adventure with Code Crusaders! We are unlocking the secrets of communication as we delve into the art of creating and deciphering messages using various codes and ciphers. This activity will not be facilitated during the short week: August 4-7.

BrickPrint

We embark on an exciting journey to explore 3D-printing by constructing Lego models to simulate the 3D-printing process. Through hands-on exploration, unravel the intricacies of this cutting-edge technology!

Starlight Swirls

Hold the universe in your hands as you create a swirling galaxy full of stars, colour, and cosmic mystery!

Tick Tock Shadows

Before clocks existed, people used shadows to tell time. Can you build a sundial that actually works? This activity will not be facilitated during the short week: August 4-7.

Harmonical Melodies

Explore the science of sound waves as you test its pitch and play your favorite tunes by building your own harmonica! This activity will not be facilitated during the short week: August 4-7.

Waddle & Glow

Why does the sun help us... and hurt us? Join our glowing penguin adventure to uncover the secrets of UV light!

The Bubble Factory

Watch bubbles fight against popping, water appear to defy gravity, and balloons magically fill themselves in this wild chemistry lab!

RoboHub

Explore the University of Waterloo's RoboHub, exploring robotics and machines used in research, such as walking humonoids.

Liquid Nitrogen Ice Cream

See your ice cream made in record time! Enjoy a scoop of extra creamy ice cream, made using Liquid Nitrogen right in front of your eyes!

Camp Trivia

Hope you were paying attention, because it's time to put your knowledge to the test! Compete with your fellow campers in a game of trivia!

Friday Fun

A jam-packed afternoon of life-sized games, water sports, Freezie fun, and chalk drawings! End your week with ESQ with a bang!

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

A network member of actüa