

Discovery A

Sneak Peek!

Niche Known Needs

Explore what living organisms need to survive, and thrive! You'll work with your group-mates to build the perfect environment for your organism!

Dive deep under the surface of the Earth and learn about the many layers of our home planet, by building your own model of Earth!

Big Blue Marble

Planetary Particulars

Glance around our solar system and work with your group-mates to determine which of our neighbouring planets are the most attractive spots for life to flourish!

System Compromised!!! We need your help to separate scams from sense and protect ESQ from getting hacked before the week is through!

Identifying Eager Attackers

Rocket Racing

Time to be a rocket scientist! You'll control variables and conduct experiments with your partner to make your rockets go farther and farther!

Peek into one of the coolest labs on campus! You'll learn about the robots scientists and engineers work with in the RoboHub at UWaterloo!

RoboHub Visit

RPS Evolution Revolution

It's survival of the fittest! You'll learn about how all modern organisms came to be through our huge game of Rock, Paper, Scissors, Evolution!

Design a new city colony for interstellar travelers! You'll work in groups to distribute your settlements and balance your energy budget!

Build-A- Base

Red Alert

Meteor shower? No problem! You'll explore what it takes to keep a structure safe from meteoroids and protect its inhabitants from space threats!

Put your communication skills to the test! Race your fellow campers to be the first to guess all your words in games of Pictionary and Charades!

STEM Pictionary Relay

Geometric Geodes

Learn about the chemistry of crystals! You'll explore how man-made geodes are formed and get a chance to create your own 3D crystal!

Figure out how to crack codes and decrypt our mysterious message! You'll also encrypt messages of your own to give to your fellow campers or ULs!

Cracking Cryptic Codes

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!

Experience being a programmer and computer! It's up to you and your partner to work together to build a house with Lego, while one of you is blindfolded!

Constructing Curious Contraptions

Martian Bead Buddies

What do air filtration, sunburns and anti-forgery tech have in common? You'll learn all about UV radiation and see it in action while making bead buddies!

Build a paper helicopter inspired by a real experimental NASA aircraft! See how the real X-57 Maxwell is circuited & powered using only batteries!

The Maxwell

Bacterial Blast

Explore how bacteria lives in a variety of places! You'll make your own species of bacteria and help it survive in the face of environmental challenges!

From the Moon to the International Space Station, you'll learn about the many satellites that orbit Earth and other celestial bodies, and design your own!

Stellar Satellites

Space Invaders

Put your coding skills to the test! You'll use Micro:bits to make a mini playable version of the classic arcade game Space Invaders!

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!

Camp 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!

