Engineering Outreach
UNIVERSITY OF WATERLOO

Discovery C

Sneak Peak!

Tug-Of-LED

Get ready for an epic digital tug of war! You'll program a micro:bit so the LEDs become your rope - pull harder to win!

Viruses are invading! Learn how your body fights back, then become a white blood cell and chase down the germs in a wild game of tag!

Antibody Attack

Beyblades

Let it rip! Build your very own Beyblade from cardboard, wire up a DC motor circuit, and watch it spin like crazy!

Things are about to get HOT! Discover what makes materials flammable and watch an awesome combustion reaction light up!

Inferno Serpents

Snowball Launcher

Ready, aim, LAUNCH! Build your own snowball catapult from popsicle sticks, rubber bands, and a spoon - then see how far you can fling it!

Weather Caster

Build your very own Weather Caster out of Lego Spike Prime! Code it up and watch it tell you if it's sunny or cloudy outside - how cool is that?! (Not facilitated during Week 5)

Whodunit

Put on your detective hat! Solve a thrilling mystery by gathering clues, grilling suspects, and cracking the case before time runs out!

Compass Chronicals

Become an explorer! Build your own compass from scratch, then use it to map out the entire camp room like a real cartographer!

Trace the Hacker

Someone's hacking the university - and YOU need to stop them! Learn to crack secret codes and decrypt hidden messages to catch the culprit!

Block Magic

Level up your game design skills! Learn about sprites and graphics, then code your very own awesome game on Scratch from scratch!

AImagination Lab

Welcome to the future! Discover how AI works, master the art of writing epic prompts, and create wild images and stories with an AI tool!

Rocky Road

Get ready to rock! Explore awesome types of rocks and race through the museum on an epic scavenger hunt!

Turtle Bead

Meet some amazing animals and discover how turtles live - then craft your very own adorable turtle out of colorful beads!

Habitats

Time to think like an architect! Design the perfect home for your bead turtle - but watch out, you have a budget to stick to. Can you make it work? (Not facilitated in Aug 4-7 week)

Marble Mayhem

Build the wildest marble run ever out of Lego! Take on crazy challenges and add surprise objects to make your track even more epic!

Pulley Power

Engineer your own simple machines and use pulleys to move heavy stuff around a construction site like a pro!
(Not facilitated in Aug 4-7 week)

Skyscrapers

Team up and build the tallest skyscraper you can with limited supplies - then watch it face earthquakes, wind, and more. Will yours survive?
(Not facilitated in Aug 4-7 week)

Liquid Nitrogen Ice cream

Time for a sweet treat! Campers will watch a demonstration of the leaders making ice cream using liquid nitrogen, and they will have the opportunity to eat some.

Camp trivia

Almost the end of camp! Campers will play a trivia game based on the activities they completed during camp to showcase how much they learned!

Friday Fun

Last activity of the week! Campers will participate in some Friday Fun activities like outdoor water games, team challenges, and a chance to dunk their camp leaders while staying cool and having fun!

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

A network member of actüa