

Sneak Peek!

Bouncing Beads

Discover the mysteries of light and optics through UV light in this bead activity and craft your own frog friend!

Create Sunprints using light-sensitive paper and objects from nature. Discover how light and chemical reactions work together to form stunning images.

Nature's Blueprint

Private Periscopes

Build your own periscope and uncover how light bends, reflects, and travels through different materials.

Write and test your own block code path across a space-themed grid using teamwork and logic. The challenge: can another camper follow your instructions without error?

Hour of Code on Paper

Moving Memories

Discover how different parts of the brain help us remember. Then test your memory and explore how movement affects recall through an interactive challenge!



Unlock the secrets of encryption and decryption with the pigpen cipher, then send and decode messages using micro:bits.

The Encryptables

Night Fliers

Take flight with your own bat-inspired glider and put your design to the test. You'll learn how aerodynamics and biology come together in engineering.

Write and test your own block code path across a space-themed grid using teamwork and logic. The challenge: can another camper follow your instructions without error?

You Can't Escape Math

Evolving Skylines


Design and grow your own futuristic city in TinkerCAD, adapting it to survive surprise disasters and challenges in real time.

Turn words and emojis into creative stories by building your own app with MIT App Inventor and a chatbot interface.

StoryGPT

E.T Goes Home

Build and optimize a Smart Bike using teamwork, Lego robotics, and code. You'll learn engineering skills and race to make it move as fast as possible!



Dive into the world of molecular gastronomy by creating colourful spheres while exploring states of matter and fascinating chemical reactions.

Spherification Investigation

Crazy Catapults

Get hands-on with physics as we explore energy transfer by designing, building, and launching our own elastic-powered catapults.

Build a LEGO wall to defend against incoming virus "attacks" and explore the basics of cybersecurity and digital defense.

The Great Wall of Cyber

A Silent Voice

Build a working hand model and use it to form ASL letters. It's a journey through anatomy, biomechanics, and non-verbal communication.

Put your speed and smarts to the test in this fast-paced tag game inspired by the engineering cycle. Each player represents a stage, as you race to complete the loop while avoiding bean bag obstacles!

Engineering Cycle Tag

Group Activities

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!

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!

