

Sneak Peek!

Morse Microbit

Become a secret code master, using a micro:bit to send messages hidden with morse code! Then, use your detective skills to decode the messages sent from other campers!

Join the bat-inspired adventure, designing your own bat glider using the principles of aerodynamics and the skills of bats in the process! Watch as your bat glider soars through the sky while you learn about the incredible aerodynamics and echolocation skills of real bats!

Night Fliers

Press Start


Become a game designer in this electrifying activity, skillfully connecting components to transform a simple circuit board into your own interactive game. Each soldered connection bringing your gaming visions to life, culminating in a unique, playable experience!

Transform into a forensic scientist, using antibodies as your secret power to decode the mysterious languages of blood types! Unlock the secrets hidden within each drop, uncovering the key to this ultimate medical mystery!

Injury Inquiry

Nuclear Escape

It's a race against the clock to escape a nuclear meltdown! Take part in a thrilling chemistry challenge, with ingenious challenges and mind-bending puzzles to secure your escape from the nuclear meltdown lurking within!



Embark on a journey of innovation and melody in this electrifying Arduino piano activity. Merge the fascinating worlds of music and technology to create and program your own electrical piano, using your creativity to compose harmonious tunes with every keystroke.

Musical Magic

Use your robotic sidekicks to embark on a thrilling maze of twists and turns! With coding prowess and strategic maneuvers, you'll navigate obstacles, complete challenges, and unlock the secrets of the maze to emerge as Sphero champions!

Sphero Sliders

Delve into an enigmatic challenge inspired by the medical industry. Armed with creativity and ingenuity, engineer a hypothetical solution to a complex problem, shaping the future one invention at a time!

Engineering Enigmas

Batteries are everywhere and a key part of life, but did you know we can make them ourselves? Use household items and chemistry to create your own saltwater batteries to power an LED light!

Power Play

It might sound traditional, but it's not your everyday ice cream! Watch as we make ice cream for everyone, but with an Engineering Science Quest twist!

Ice Cream

Rover Rodeo

With freezing temperatures, rocky valleys, and violent windstorms, the Martian surface is no joke! Design a rover in TinkerCAD capable of withstanding these harsh Martian conditions, followed by creating a prototype of the rover with everyday materials!



Blend robotics and rhythm to craft your own sensational performance using a Spike Prime kit! Engineer your own robotic dancer, and program it to choreograph dazzling routines to captivate the audience with your robot's talent!

Breakdancing Bot

Voyager vs. Voyager

Friends can compete against each other too, right? Take part in a friendly competition in four different STEM minigames, ranging from robotics to structures to trivia, alongside our good friends over in Voyager B!

Explore the world of earthquakes, engineering solutions to protect your structures against them while exploring the complexities of team communication and proper resource management. Through innovative problem solving, ingenuity and creativity, construct your structure to stand strong against all tremours, ensuring safety and resilience for all.

Tremorous Transactions

Biology Theatre

Step onto the Voyager A stage to bring the wonders of biology to life! You'll become a star of your own cellular drama, portraying intricate processes with theatrical flair to illustrate the mysteries of life for all to see!

Wrap up our week together with some trivia related to what you learned in camp!

Camp Trivia

Friday Fun

The ultimate end of the week, with various high-energy outdoor minigames to cap off your week at ESQ!