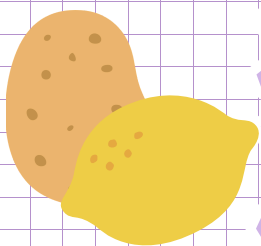
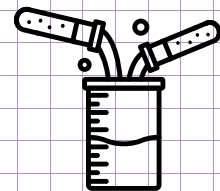


Case of the Color Changing Chemicals

What secrets can a cabbage reveal? Campers will use red cabbage juice as a natural pH indicator, testing everyday substances to uncover whether they are acidic or basic!

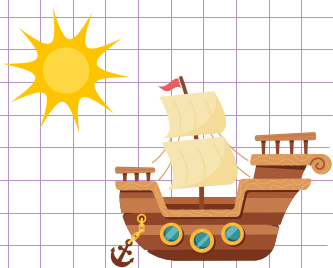


Watt's for lunch?

Could your lunch power a light bulb? Campers will build lemon and potato batteries to find out just how many it takes to generate enough electricity to light up an LED!

Paper Pilot Academy

What does it take to build the ultimate flying machine? Campers will experiment with paper airplane designs and put them to the test with a custom launcher they build themselves, exploring the aerodynamics behind every fold and flight!

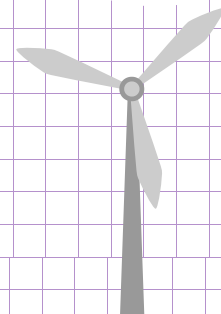


Bead Buddies

What happens when sunlight meets your accessories? Campers will craft their own colour-changing bead keychain, picking from two fun designs and discovering the science behind UV-reactive materials!

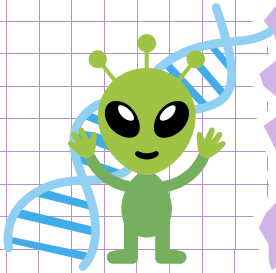
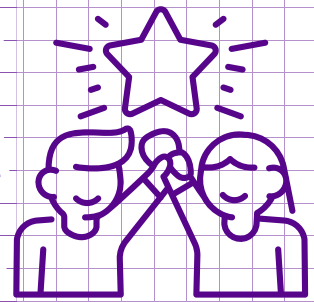
Helios Powered

The sun can do more than you think! Campers will build their own model solar updraft tower and harness the power of heat to make a real turbine spin!



Mentor Visit

Real people, real stories! Campers will have the chance to meet and learn from a mentor in the community, getting an inside look at the exciting paths a love of learning can lead to.

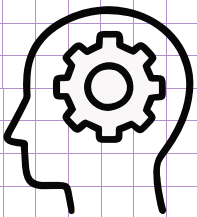
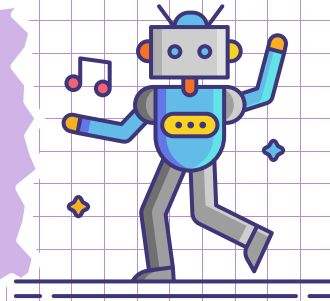


Alien Sibling Mystery

Where do your features really come from? Campers will design their very own baby alien to uncover how genetic traits are passed down from parents to their offspring.

Breakdancing Bots

What if you could teach a robot to dance? Campers will build and program their very own robot using Spike Prime, bringing it to life with block coding and some serious moves!

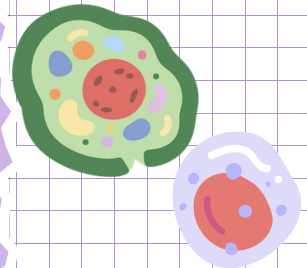


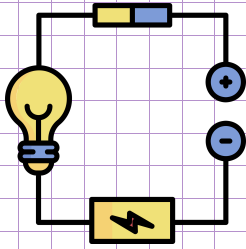
Inside the Machine Mind

What does it actually take to build a machine that learns? Campers will step into the shoes of AI designers and explore how machine learning systems are trained and tested to make decisions!

Capture the Cell

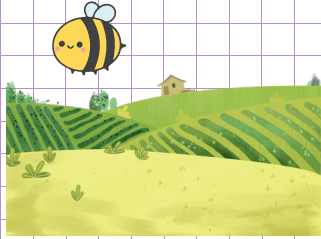
How well do you know what's going on inside your body? Campers will explore human body systems and put their knowledge to the test in an outdoor Capture the Flag game with a biological twist!





Snappy Snap Circuits

What does it take to bring a circuit to life? Campers will snap together real circuit components and explore how electricity flows to power the technology we use every day!

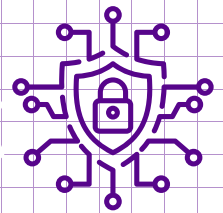


Crop Quest

What does farming have to do with coding? Campers will build their own bee pollinator game in Scratch, programming a bee to collect pollen and race back to the hive before time runs out!

Operation: Unbreakable

Every secret code has a story! Campers will trace the history of encryption from ancient ciphers all the way to quantum-proof security, uncovering how the battle between codemakers and codebreakers shapes the internet we rely on today!

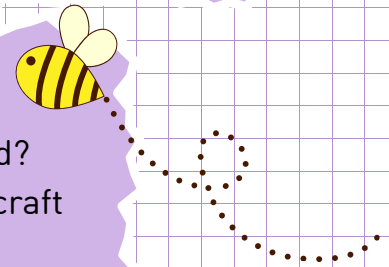


Money Talks

What can math and money teach you together? Campers will sharpen their arithmetic skills in a fun, interactive money tallying game that brings financial literacy to life!

Bee the change

What if you could help nature thrive right in your own backyard? Campers will map out a real pollinator garden like a drone and craft their own biodegradable seed ball to take home and plant!



Discovery Channel

What STEM topic would you want to teach the world? Campers will research a topic of their choice, create their own poster, and share their discoveries with the whole camp in a gallery walk!