

# STEMpowered Discovery 2026

## Monday Overview

Today, campers explored topics of UV rays, electricity, coding and biology. In **“Bead Buddies”** campers made keychains with UV beads, learning the effects of UV rays. **“Watt’s For Lunch”** had campers use potatoes and lemons to make functional batteries. In **“Breakdancing Bots”** campers used Lego Spike Prime to make robots to move via code. In **“Capture the Cell”**, campers learned cell biology with an outdoor activity attached!

## Tell me what you learned!

Here are a few questions to enhance learning:

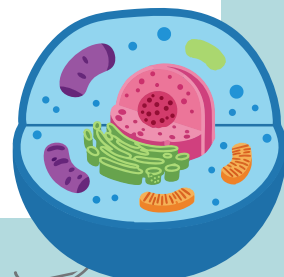
- What changes did you see in your bead buddies?
- What other food could you use to make a battery?
- How else would you do with your robot?

## Next Steps!



Let’s look at cellular transport!

[LINK HERE](#)



# STEMpowered Discovery 2026

## Tuesday Overview

Today, campers explored concepts in physics, chemistry and engineering. In **"Paper Pilot Academy"** campers applied concepts learned in aerodynamics to design their own paper planes. **"Cabbage Chemistry"** had campers use cabbage water as an indicator to observe the pH of various liquids. Additionally, campers were introduced to their showcase project: **"Discovery Channel"**, in which they will research a STEM topic to present at the end of the week.

## Tell me what you learned!

Here are a few questions to enhance learning:

- What concepts in aerodynamics allowed your plane to fly?
- Why did the cabbage water change the colour of the solutions?
- How will you organize your research process?

## Next Steps!

[LINK HERE](#)



How do airplanes actually fly?





Grades  
4-6

# STEMpowered Discovery 2026

## Wednesday Overview

Today, campers explored concepts in circuits, genetics and renewable energy. In **“Helios Powered”**, campers made their own solar powered turbines! **“Alien Genetics”** had campers explore DNA and genetics concepts. In **“Snappity Snap Circuits”**, campers learned how to make closed circuits. Campers also continued their **“Discovery Channel”** projects.

## Tell me what you learned!

Here are a few questions to enhance learning:

- Why are renewable energy sources considered better than non-renewable sources?
- What is the difference between an open and closed circuit?

## Next Steps!

[LINK HERE](#)



Explore  
solar  
powered  
technology

## Thursday Overview

Today, campers explored topics of computer science, digital agriculture, and AI applications. In **“Inside the Machine Mind”**, campers learned about algorithm bias and how to eliminate it with their own machine learning model. Campers in **“Crop Quest”** used Scratch to make their own bee pollinator. In **“Bee the Change”**, campers made own biodegradable seeds bombs to plant at home. Campers were also given time to continue working on their **“Discovery Channel”** projects.

### Tell me what you learned!

Here are a few questions to enhance learning:

- In what devices have you seen algorithm bias?
- What is digital agriculture?
- What have you learned in your Discovery Channel project?

### Next Steps!

[LINK HERE](#)



Bias in AI



# STEMpowered Discovery 2026

## Friday Overview

Today, campers explored concepts in cybersecurity and finance, and finished their showcase project **“Discovery Channel”**. In **“Operation Unbreakable”**, campers solved encryption puzzles to reveal hidden message. Through **“Money Talks”** campers used their mental math skills to tally money. Campers looked at their peers projects through a gallery walk of their showcase posters.

## Tell me what you learned!

Here are a few questions to enhance learning:

- What strategies did you use to count faster?
- How is encryption applied to cybersecurity?
- What was your favourite part of the Discovery Channel project?

## Next Steps!

[LINK HERE](#)



How  
encryption  
works