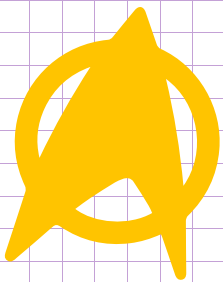


## Explore Glow-in-the-Dark Water

What if chemistry could light up the room — literally? Dive into the electrifying world of redox reactions and fluorescence, where electrons jump, colors shift, and your experiments glow in ways that seem almost magical.

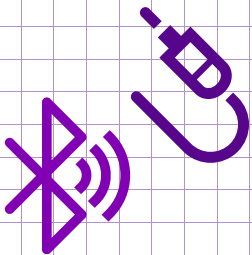


## Trek Across the Stars

Humanity has just landed on an alien world and survival depends on the tools you build. Design and engineer your own life-saving device using TinkerCAD, then bring it to life through the power of 3D printing.

## Kryptography

From ancient Rome to quantum physics, encryption has shaped the course of history and the future belongs to those who can crack the code!

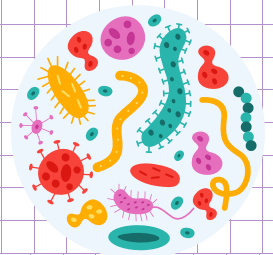


## High School Musical

Every song you've ever loved has been secretly shaped by science and now it's your turn to take control of the sound. Discover how analog electronics and digital computers work together to filter, sculpt, and perfect music through the art and engineering of audio equalization!

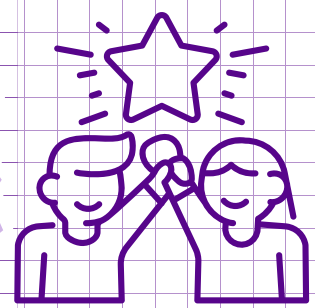
## Blooming Bacteria

That door handle you just touched? It might not be as clean as you think. Swab the surfaces of everyday spaces, grow what's lurking behind, and uncover the hidden microbial world thriving right under your nose.



## 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.



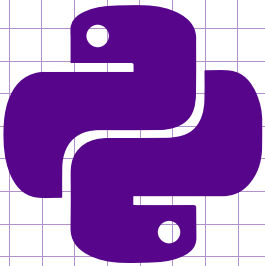
## Biased Robots

AI doesn't think for itself, it learns from us, and that means it can inherit our blind spots. Train your own machine learning model to read human emotions, then pull back the curtain on how hidden biases in data can quietly corrupt the decisions that algorithms make!



## Mystery Unsolved

A 30-year-old mystery is finally within reach and the evidence is written in DNA. Use real bioinformatics tools and build your own gel electrophoresis chamber to analyze the genetic clues that could crack the case wide open.!



## Turtle Python Art!

What if your code could pick up a paintbrush? Use Python's Turtle library to command your very own digital artist, turning loops and logic into stunning, one-of-a-kind geometric masterpieces.

## The Odyssey Saga

Every great invention started with someone asking: "why isn't there a better way to do this?" Team up, pick a problem that matters to you, and engineer your own app, device, or system that could change the way the world works.

