



**BSU Center for the
Advancement of
STEM Education**

Summer Science Academy 2026



Session	Date	Time	Grade	Cost
The Human Body from a Medical Mindset	July 6-10	8:30AM to 2:30PM	Grades 10-12 (Fall 26)	\$400
CyberTank: Innovate, Defend, Pitch!			Grades 6-9 (Fall 26)	\$300
CyberFlight: Taking Cyber Skills to New Heights!	July 13-17	8:30AM to 2:30PM	Grades 6-9 (Fall 26)	\$300
Forensics Institute of Bridgewater				\$300



**For more information & to register,
please visit our site:**

**[www.bridgew.edu/center/case/
science-academy](http://www.bridgew.edu/center/case/science-academy)**

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NOW**

2026 Summer Science Academy

Program Descriptions

The Human Body from a Medical Mindset

Are you a high school student considering a career in the medical field? Join us for this week-long investigation into human body systems. Get a feel for what it is like to be a surgeon, a nurse, a researcher, or a technician (just to name a few). Practice suture techniques, explore the heart through dissection, and diagnose illness using electrophoresis, microscopy, or culture. Information about medical careers, including “a day in the life of a medical student,” will be discussed.

CyberTank: Innovate, Defend, Pitch!

Dive into cybersecurity with our Shark Tank-themed session for middle school students! Student teams will design and pitch innovative tech creations with built-in cybersecurity defenses to a panel of “sharks,” building creativity, problem-solving, and real-world tech skills. Using Sphero robots, teams will simulate cyber threats and unmask the tactics of unethical hackers. Daily digital citizenship lessons build ethical tech habits, while the Shark Tank challenge sharpens collaborative problem-solving. The BSU Technology Department team will share their career journeys, inspiring students with real-world applications of cybersecurity skills.

CyberFlight: Taking Cyber Skills to New Heights!

Take off into cybersecurity with this aviation-themed summer class for middle school students! Students will collaborate in teams to design and secure their airline operations - managing databases, protecting critical systems, and safeguarding passenger information, while learning the essential role of teamwork in cybersecurity. Teams will deploy Sphero robots to complete aviation-inspired design and security challenges, applying cybersecurity skills in realistic simulations, including a simulated cyberattack on airports worldwide. To ground their skills in reality, students will meet with the BSU Aviation Department to explore the intersection of aviation and cybersecurity.

**No prior experience needed. These classes help students level up their skills. CyberFlight and CyberTank are separate classes that can be taken independently, or together, regardless of experience.*

Forensics Institute of Bridgewater

As a new employee at the Forensics Institute of Bridgewater (FIB), you expect your intensive training on crime scene investigations to be exciting, but you never thought it would be THIS exciting. While training on the various crime lab biotechnology techniques, a live case is delivered and F.I.B. needs YOU to help determine what happened!

Have you ever watched Crime Scene Investigators and wondered what really happens to the evidence at a crime scene and how that evidence is used to solve the crime? Join us in a week-long adventure into the life of a crime scene analyst! Working with Senior Scientists, you will learn how to collect and analyze fingerprints from a simulated crime scene, perform blood type analysis and get closer to solving the mystery using DNA fingerprinting.