

Summer Science Academy STEM² Curriculum

Natural Science

MODULE 1

Students engage in learning natural science principles in order to explore physical science, earth science, and life science concepts; learn about human anatomy and physiology; learn about investigative science through DNA, practice analyzing multiple forms of data to draw conclusions.

Biotechnology

MODULE 2

Students learn how biotechnology's techniques and tools are being used to help identify and fight disease, and examine the ethical and privacy issues associated with genetic testing.

Students will also meet scientists and researchers in the biotechnology field.

Engineering & Math

MODULE 3

Students are encouraged to hone their abstract, reasoning, and critical thinking skills through exploring real-world challenges. Students will learn how engineering and math help shape our everyday lives, science, and healthcare.

Science & Career Exploration

MODULE 4

This module provides students access and exposure to various careers in the health professions and medical fields. Students learn the necessary steps for college preparation including college applications, scholarships, loans, and degree programs at Emory University.

Science & Medical Research

MODULE 5

Students work in groups to research a STEM topic of choice. Through this module, we encourage peer-to-peer learning and teamwork, problem solving techniques, introduce students to public speaking and academic medicine, and learn the scientific research process.