

Module 1: Natural Science

Engaging in natural science principles in order to explore physical science, earth science, and life science concepts.

Module 2: Biotechnology

Learning 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.

Module 3: Math & Technology

Students hone their abstract, reasoning, and critical thinking skills to learn how engineering and math help shape our everyday lives, science, and healthcare.

Module 4: Career Exploration

Students gain exposure to various careers in the health professions and medical fields. Students also learn the necessary steps for college preparation.

Module 4: Science Research

Students work in teams to conduct research on a STEM related topic to encourage peer-to-peer learning and teamwork, and foster problem solving techniques

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
9:00 AM - 10:00 AM	Welcome! Icebreaker	Microbiology	Biotechnology: Detecting Infectious Disease	Privacy and Ethics in Biotechnology	Bloodtyping Activity
10:00 AM - 11:00 AM	Let's Stay Safe! Lab Safety	Pump it Up: The Human Heart	Breakout Groups Activity	Chemistry: Fundamentals of Chromatography	Designing Your Future: Healthcare Apps
11:00 AM - 12:00 PM	Breakout Groups: Scavenger Hunt	Clinical Skills	Biotechnology: Detecting Inherited Disease	Group Research Time	Breakout Groups Activity
12:00 PM - 1:00 PM	Lunch	Lunch	Lunch	Lunch	Lunch
1:00 PM - 2:30 PM	Food Microbiology: Creating Yogurt	Group Research Time	We've Got Something in Common: DNA Extraction	Guest Speaker: AAMC	Escape Game: Virtual Field Trip
2:30 PM - 3:30 PM	End of Day Group Debrief	End of Day Group Debrief	End of Day Group Debrief	End of Day Group Debrief	End of Day Group Debrief

In the Summer Science Academy, students attend Science virtual enrichment programming between 9:00 a.m. and 3:30 p.m. during the weekdays, which include lectures, guest speakers, hands-on lab activities and group discussions. The schedule varies from day to day and year to year based on feedback. All students participate in group projects and a virtual closing ceremony during the last week of the program.