

2024
NATIONAL YOUTH LEADERSHIP FORUM: EXPLORE STEM
*Sample Schedule of Events**

Day One: Arrival of Students and Program Welcome

Registration and Check-in
Program Orientation
Welcome to Explore STEM, Scholar Welcome Address
Galaxy Group Introductions and Group Photo

Day Two: Explore Robotics Programming

Robotics Programming Exploration
Learn about robotics building and programming
Prepare for Launch
Setting Group Expectations
Keynote by Former NASA Astronaut
Engineering Simulation:
Robotics Design & Programming Challenge
Careers in Engineering Workshop
Galaxy Lab Session 1
Introduction to design thinking process and Mission to Mars project

Day Three: Explore Medicine and Health Care

Emergency Medicine Exploration
Learn the basics of emergency medicine, diagnose, and provide critical care
MyActionPath Career Assessment
Emergency Medicine Simulation: Providing Emergency Care on Mars Challenge
Careers in Medicine Workshop
Galaxy Lab Session 2
Ideate and prototype Mission to Mars project

Day Four: Explore Crime Scene Investigation (CSI)

CSI Exploration
Learn the role of forensic science in crime scene investigations and how to collect and analyze evidence
Social-Emotional Learning Workshop:
Developing Social Awareness
Forensic Science Simulation:
Laboratory & Investigation Challenge
Careers in Forensic Science Workshop
Galaxy Lab Session 3
Test and finalize Mission to Mars project

Day Five: Explore Engineering Design

Civil Engineering Exploration
Learn the basics of civil engineering and effective structural designs
Social-Emotional Learning Workshop:
Building Relationship Skills
Career Panel
Pursuing Careers in STEM
Civil Engineering Simulation:
Structural Design Challenge

Day Six: Final Presentations, Farewell and Departure

Galaxy Lab Final Presentation
Present Mission to Mars Project
Final Group Meetings
Departures

*This sample schedule is provided as an example of the overall quality and scope of the experience offered. The 2024 specific schedule, locations, and details may be modified, and activities may vary for Day Program attendees. We are continuously evaluating all aspects of the program and incorporating the most up-to-date health and safety standards.