

NATIONAL YOUTH LEADERSHIP FORUM: EXPLORE STEM

*2023 Sample Schedule**

Day One: Arrival of Scholars 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

Continued on reverse

*This sample schedule is provided as an example of the overall quality and scope of the experience offered. The 2023 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.

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