

NATIONAL YOUTH LEADERSHIP FORUM: EXPLORE STEM

*2019 Sample Schedule**

Day One: Arrival of Scholars and Program Welcome

Registration and Check-in

Program Orientation

Personal Success Planning Workshop: Prepare for Launch
Setting career SMART goals

Day Two: Explore Engineering and Robotics

Keynote by Former NASA Astronaut

Engineering Simulation: Robotics Design and Programming Challenge

Personal Development Workshop: Imagining the Impossible
Expanding creativity and critical thinking

Galaxy Lab Session 1

Introduction to design thinking process and Mission to Mars project

Day Three: Explore Medicine and Healthcare

Emergency Medicine Simulation

Diagnose and provide critical care, including conducting a physical exam, administering splints and slings, and controlling external hemorrhaging

Galaxy Lab Session 2

Ideate and prototype Mission to Mars project

Continued on reverse

*This sample schedule is provided as an example of the overall quality and scope of the experience offered. The 2019 specific schedule, locations, and details may be modified, and activities may vary for Day Program attendees.

Day Four: Explore Forensic Science

Forensic Science Exploration

Learn the role of forensic science in investigations and apply fingerprint examination, blood stain analysis, and more to a crime scene while using proper techniques and preserving chain of custody

Forensic Science Simulation: Laboratory & Investigation Challenge

Day Five: Explore Civil Engineering

Civil Engineering Exploration

Learn the basics of civil engineering and effective structural designs

Civil Engineering Simulation: Structural Design Challenge

ACT TESSERA Personal Skills Assessment

Galaxy Lab Presentation

Present Mission to Mars project before Intergalactic Senate in a competition that's out of this world

Personal Success Planning Workshop: Chart Your Course

Finalizing your plan for success

Career Exploration Panel

Looking Forward: Closing Address and Certificate Presentation

Day Six: Farewell and Departure

Final Group Meetings

Departures