

# NATIONAL YOUTH LEADERSHIP FORUM: EXPLORE STEM

## *2022 Sample Schedule\**

### ***Day One: Arrival of Scholars and Program Welcome***

Registration and Check-in

Program Orientation

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

### ***Day Two: Explore Robotics Programming***

Keynote by Former NASA Astronaut

Engineering Simulation: VEX EDR Robotics Design and  
Programming Challenge

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

Galaxy Lab Session

*Introduction to design thinking process and Mission to  
Mars project*

### ***Day Three: Explore Medicine and Health Care***

Emergency Medicine Simulation

*Diagnose and provide critical care, including controlling external  
hemorrhaging and administering splints and slings*

Galaxy Lab Session

*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 2022 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.

### ***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 Engineering Design***

Career Exploration Panel

Civil Engineering Exploration

*Learn the basics of civil engineering and effective structural designs*

Civil Engineering Simulation: Structural Design Challenge

PAIRIN Survey Strengths 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*

Looking Forward: Closing Address and Certificate Presentation

### ***Day Six: Farewell and Departure***

Final Group Meetings

Departures