

# NATIONAL YOUTH LEADERSHIP FORUM: EXPLORE STEM

## *2017 Sample Schedule\**

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

Registration and Check-in

Program Orientation

ACT ENGAGE Personal Skills Assessment

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 Challenge

Careers in Engineering Workshop

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*

Careers in Medicine Workshop

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 2017 specific schedule, locations, and details may be modified, and activities may vary for Day Program attendees.

### ***Day Four: Explore Computer Science***

Computer Science Exploration

*Learn the basics of app design and what makes smart phones “smart”*

Computer Science Simulation: App Design Challenge

Careers in Computer Science Workshop

Personal Development Workshop: Using Your Force

*Improving communication and collaboration*

Galaxy Lab Session 3

*Test and finalize Mission to Mars project*

### ***Day Five: Explore Civil Engineering***

Civil Engineering Exploration

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

Civil Engineering Simulation: Structural Design Challenge

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