

NATIONAL YOUTH LEADERSHIP FORUM: ENGINEERING

*2026 Sample Schedule**

Day One: Arrival of Students and Program Welcome

Program Registration

Welcome Activities

Team Time

Day Two: The Engineering Design Process

Introduction to the Engineering Design Process

Engineering Exploration Lab

- *3D Printing Workshop: Rocket Design and Printing*
- *Artificial Intelligence & Neural Networks Workshop*

Capstone Impact Challenge Workshop

- *Introduction and Define the Challenge*

Career Immersion Experience: Speaking Event

Day Three: Engineering Applications

Engineering Exploration Lab

- *Electronics Workshop: Circuit Design and Programming a Drone*
- *Engineering Practical Workshop: Design and Programming*

Career Immersion Experience - Speaking Event

Defining Project Goals and Brainstorming Solutions

Day Four: Design and Build

Building Leadership Presence Workshop Series: Ethics in Engineering

Career Immersion Experience: Speaking Event

Engineering Exploration Lab

- *Electrical Engineering Workshop*

Capstone Impact Challenge Workshops

- *Prototype Design*
- *Testing Solutions*

continued on reverse

**This sample schedule is provided as an example of the overall quality and scope of the experience offered and is not intended to represent a specific schedule for 2026. The specific 2026 schedule, locations, speakers, and site visits may be modified.*

Day Five: Engineering Project Management

Off-Site Excursion

Explore Host City

Day Six: Explore Careers in Engineering

Campus Tour and Exploration

Graduate Student Panel

College Admissions Briefing

Capstone Impact Challenge Workshops

- *Final Design and Build*
- *Presentation Preparation, Practice, and Feedback*

Career Immersion Experience: Speaking Event

Day Seven: Engineering the Future

Capstone Impact Challenge Final Presentations and Showcase

Finalize Maker Documentary

Certificate Presentation

Assessments and Feedback Sessions

Day Eight: Farewell and Departure of Students

Program Debrief

Student Travel and Departure Assistance

As always, the well-being of our scholars and staff is our priority. We implement first-rate health, safety, and risk-management protocols into all our programs, based on recommendations from our Health & Safety Team and medical advisors. We're also committed to evolving our policies and protocols to reflect our program partners' requirements, public policy, and the Centers for Disease Control and Prevention (CDC) guidelines. To see our current standards, visit the Health and Safety section on our website.