Engaging Youth in Engineering and Changing Their World
The Engineering Design Process in Action
Seeing the Skill in Action

1. What elements of the engineering design process does the engineer seem to emphasize? Why?

2. What do you notice as youth interact with the engineers?

3. What would your next step be after a visit like this?

4. How could you provide an experience kind of like this if you don't have an engineering group or school of engineering nearby?
Making Design Challenges Work

What adults need to know and be able to do

What youth need to know and be able to do
Helping Youth Develop Identity
Apply it in Real Life

1. At your table, review the *On Target* activity.

2. Brainstorm three strategies for using the engineering design process to develop critical thinking or problem solving.

3. Brainstorm three strategies for using the activity to develop an engineering identity.
We Can Make a Difference

○ Getting young people involved in STEM topics and professions
○ Develop a sense of competence and confidence
○ See themselves as contributors and participants in STEM
○ Collaborate with others to solve problems
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