

## Professional Development Situation: Coaching

### Skill Focus: Making Connections to STEM Careers

Time Required: 15 minutes

# WE'RE REAL ENGINEERS

Participants will watch the “Like a Real Engineer!” video-based learning module to learn to connect youths’ experiences to STEM pathways and careers.

## Agenda

See the Skill in Action— 5 minutes

- [Like a Real Engineer!](#) video-based learning module

Setting Goals— 10 minutes

- [SMART Goals Action Plan](#)

## Materials

- Computer with internet connection
  - If conducting this session virtually, be sure the participant has access to these as well.
- [Like a Real Engineer!](#) video-based learning module
- [SMART Goals Action Plan](#)

## Before the Session

- **Read this coaching guide** to become familiar with the content and allow time to personalize the activities to best suit your presentation style.
  - *Italics indicate the text can be read aloud or emailed to the participant.*
- Send an email to the participant being coached:
  - *Our coaching session is scheduled for DATE at TIME. We will focus on “Making Connections to STEM Careers”. Please feel free to contact me with your questions or concerns at CONTACT INFORMATION.*
- Gather all materials needed for the coaching session.

## During the Session

### See the Skill in Action (10 min)

- Work through the steps of the [Like a Real Engineer!](#) video-based learning module.
  - Before step 1, introduce activities involving circuitry, if needed.
  - Watch the videos in steps 1 and 3.
  - Talk through the questions in step 2.
- Reflect on how this learning module offers ways to bridge activities with the careers youth are interested in.
  - *What problem solving skills are modeled here? (1:55-2:00)*
  - *What does the engineer say and do here to connect the youth to the real-world career of an engineer? (2:04 - End)*
  - *If you were the facilitator in this video, what would you do differently to help youth see themselves as an engineer?*

### Setting Goals (5 min)

- Make a SMART goal with the participant. Use the [SMART Goals Action Plan](#).
- Remember that SMART Goals should be:
  - **Specific** – It is clear what you are trying to accomplish (what do we care about?)
  - **Measurable** – You will know when you've accomplished your goal
  - **Achievable** – You can do this because the goal is not too big or too small
  - **Relevant** – The goal relates to this skill and what you do in your program
  - **Timely** – The goal can be accomplished this month

## After the Session

- Follow up with your participant to see how they are progressing on their action plan. Try to be supportive and helpful, not evaluative.

Want to Earn Credit? Click2Science has teamed up with Better Kid Care to provide continuing education units. Check it out at: <http://www.click2sciencepd.org/web-lessons/about>

# SMART Goals Action Plan

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

Concept/Problem Statement:

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Goal Statement:

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Specific: What specific action will you take?

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Measurable: How will you measure the results?

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Attainable: What will be different?

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Relevant: The goal relates to this skill and what you do in your program

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Timeframe: The goal can be accomplished this month

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