

Professional Development Situation: Coaching

Skill Focus: Modeling Engineering Practices

Time Required: 15 minutes

RE-TESTING AND SUCCESS

Participants will analyze a video of staff supporting youth to re-test in order to help youth succeed through persistence.

Agenda

See the Skill in Action (5 min)

- [Affirming Youth During Re-Testing](#) video-based learning module

Goal-Setting (10 min)

- [SMART Goals Action Plan](#)

Materials

- Computer with internet connection
- [Affirming Youth During Re-Testing](#) video-based learning module
- [SMART Goals Action Plan](#)
 - If conducting this session virtually, be sure the participant has access to these as well.

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 text that 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 “Modeling Engineering Practices”. 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 [Affirming Youth During Re-Testing](#) video-based learning module.
 - Watch the videos in steps 1 and 3.
 - Talk through the questions in step 2.
- Reflect on how this video-based learning module offers ways to support youth to be persistent.
 - *What does the staff member do to help youth stay positive, even when their egg breaks?* (Emphasizing re-design, not providing a “right way” to work)
 - *What does the facilitator say to support re-design?* (He asks, what other ideas do you guys have? What do you think went wrong?)
 - *How does the facilitator encourage youth to put in effort?* (He emphasizes that they will need to improve their design for tomorrow; the test gets more difficult.)
 - *What could the facilitator do to emphasize that re-testing is important to all engineers, not just when a design fails?* (Emphasize that there are different models of iPhones because they keep improving; it's important to keep thinking of new ways to innovate and solve problems)

Setting Goals (5 min)

- Make a SMART goal with the participant that focuses on how to help youth be persistent through failure and to keep working hard. 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:

Goal Statement:

Specific: What specific action will you take?

Measurable: How will you measure the results?

Attainable: What will be different?

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

Timeframe: The goal can be accomplished this month
