

Professional Development Situation: Meeting

Skill Focus: Modeling Engineering Practices

Time Required: 25 minutes

THIS IS A TEST

Participants will reflect on the “Try and Try Again” video-based module in order to emphasize the engineering design process.

Agenda

See the Skill in Action—15 minutes

- [Try & Try Again](#) video-based learning module

Debrief—10 minutes

Materials

- Computer with internet connection
- Projector and speakers
- Pens for participants
- [Try & Try Again](#) video-based learning module
- One copy of [Learning Environment Design Template](#) for each pair participant

Before the Session

- **Read this meeting guide** to become familiar with the content and allow time to personalize the activities to best suit your presentation style. Watch all videos and read informational materials.
 - *Italics indicate text that can be read aloud or emailed to participants.*
- Send a reminder email about the meeting. Determine if any participants require accommodations (sight; hearing; etc.).
 - *The next professional development opportunity to enhance our STEM skills will be on DATE at TIME at LOCATION. Our focus for this session will be “Modeling Engineering Practices”. Let me know if you require any accommodations to*

participate in the training. I am happy to answer any questions you have and look forward to seeing you at the workshop. I can be reached at CONTACT INFO.

- Gather all materials needed for the session.
- Develop a list of possible questions participants might have during the meeting. Create potential responses to be explored through informal conversation. Review any key terms or ideas that may be unclear.
- On the day of the session, test the audio and video equipment.

Session Outline

See the Skill in Action (15 min)

- Cue up the [Try & Try Again](#) video-based learning module. If needed, talk about the importance of helping youth connect to real-world problems.
- Give everyone two pieces of paper before the video. Ask staff to write BIG one thing that the facilitator did well on one sheet and one thing they would do differently on the other.
- Remind participants that this is a video of real practice, and that Gauri is very practiced
- Show the videos in step 1 and step 3.
- After the video, ask each participant to put their paper on the floor, scattered around the room. Everyone must go around the room and stand on a paper that is not their own, but they agree with the statement. Depending on time/size of group, have people share out loud why they chose the response they chose to stand on.

Debrief (10 min)

- You'll now relate this video to the importance of choosing a relevant problem that youth can connect to.
 - *One major strength of this video is that Gauri is connecting youth, particularly girls, with a problem faced by other women and girls in the world.*
 - *Why is it important to choose a problem that's relevant?*
 - *What local problems can we investigate and engineer for?*
 - *What local engineering resources might be able to help us design challenges or work with our youth?*
- Spend several minutes on these questions and try to pin down a few actionable items that participants could implement. Support participants to connect with local problems/interests and local resources for incorporating authentic engineering.

- Encourage each participant to each take on one task, such as asking a local design firm to send a volunteer, that they can do in the next two weeks to more deeply connect their youth to engineering design.

After the Session

- Email the participants:
 - *Thank you for your participation in the recent Click2Science training on “Modeling Engineering Practices”. I hope you found it useful and applicable to your practice. Consider sharing your learning with a co-worker, supervisor, or friend. Please let me know if you have any questions. You can reach me at CONTACT INFO.*

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>