

Professional Development situation: Meeting

Skill Focus: Developing STEM Identity

Time Required: 25 minutes

WHO DOES SCIENCE?

Participants will draw a scientist and take a photo for #ILookLikeAScientist in order to understand how to counter stereotypes about science identities.

Agenda

Draw a Scientist—15 minutes

I Look Like a Scientist—10 minutes

Materials

- Paper and markers/colored pencils
- Pens for participants
- A few copies of [How Students See Scientists: Mostly Male, Mostly White, Mostly Benevolent](#) – Deborah C. Fort and Heather L. Varney, Science and Children, 1989
- One copy of [I Look Like A Scientist Photo Frame](#) for each 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. Read informational materials.
 - *Italics indicate text that can read aloud or emailed to participants*
- Send 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 “Developing a STEM Identity”. 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 meeting, test the audio and video equipment.

Session Outline

Introduction

- Greet participants as they arrive. Make sure everyone feels welcome and comfortable.
- Introduce yourself and the focus of the session: “Developing a STEM Identity”

Draw a Scientist (15 min)

- Pass out a piece of paper and ask participants to draw a picture of a scientist.
- Give them 2-3 minutes to do this.
- Ask participants to hold up their pictures and look around the room.
 - *What characteristics of scientists are most common among our pictures?*
- Explain the point of this activity.
 - *Researchers have been doing the “draw a scientist” task for about 30 years. Why is it important? (Pass out the article “How Students See Scientists” for participants to take a look.)*
 - *What characteristics do we hope students would draw?*
 - Examples: Pictures of people in diverse jobs, of diverse backgrounds
- Ask participants if they know about the “I Look Like a Scientist” Campaign.
 - *Last year, the social media hashtag #ILookLikeAScientist went viral and people continue to use the hashtag in an ongoing conversation about diversifying science and engineering.*

#ILookLikeAScientist (10 min)

- Participants will now take photos of each other to post where youth can see them to make an “I Look Like A Scientist” bulletin board.
 - *We are going to frame each of our photos so that they say “I Look Like A Scientist.” We all engage in everyday science when we decide what medicine to take, what vegetables to buy, and our relationship to energy, electricity, and the environment. We are all part of the science community.*
- Encourage each participant to take a goofy photo that represents their STEM identities.

After the Session

- Print the photos of each participant and frame them with the [I Look Like A Scientist Photo Frame](#).
 - **Optional:** You can do this digitally instead using Microsoft PowerPoint, Word, or Adobe Illustrator software.
- Email the participants:
 - *Thank you for your participation in the recent Click2Science training. I hope you found it useful and applicable to your practice. **I have printed and framed your “I LookLikeAScientist” Photo and it is available at _____.** Consider sharing your thoughts 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>

I Look Like a Scientist Photo Frame

