

**Professional Development Situation: Meeting**

**Skill Focus: Encouraging Collaborative STEM Work**

**Time Required: 15 minutes**

## HELPING YOUTH WORK TOGETHER

Participants will discuss the video module “Supporting Youth Interactions in STEM Explorations” in order to better support youth to work together.

### Agenda

See the Skill in Action—10 minutes

- [Supporting Youth Interactions in STEM Explorations](#) video-based learning module

Conclusion—5 minutes

### Materials

- Computer with internet connection
- Projector and speakers
- Note-taking paper for participants
- Pens for participants
- [Supporting Youth Interactions in STEM Explorations](#) video-based learning module

## 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 “Encouraging*

*Collaborative STEM Work". 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

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

- Cue up the [Supporting Youth Interactions in STEM Explorations](#) video-based learning module. Play the video in step one (Foil Boats Introduction). Encourage participants to ask questions about the activity. If your participants work with older learners, consider these questions:
  - *How might you do this activity or introduce this concept with older learners?*
  - *What are the scientific ideas at play in an activity like this?*
    - Answer: Buoyancy is a force pushing up from the water, gravity is pulling down, the relationship among volume, mass, buoyancy, and gravity.
- **Play the second video** which specifically focuses on helping youth work together.
  - *The facilitator gives a lot of instructions in this sequence. Which facilitation moves are helping youth collaborate?*
    - Potential answers: When he kneels at tables and helps youth problem-solve their boat, when he encourages youth to reach across tables to work on the materials together, supporting youth to count together to test marbles.
  - *Which facilitation moves are only for management and not collaboration?*
    - Potential answer: Going over expectations for behavior, e.g., “stay in your seat” etc.

### Conclusion (5 min)

- Debrief the video (replaying parts of the video if necessary).
  - *What evidence do you see of youth collaboration?*
  - *What can you do to encourage collaboration?*
  - *What is one practice you learned today that you have never considered before that helps support youth collaboration?*
- Have a short conversation in which the group chooses one action strategy to implement over the next six weeks.

## After the Session

- Email the participants:
  - *Thank you for your participation in the recent Click2Science session on “Encouraging Collaborative STEM Work”. I hope you found it useful and applicable to your practice. Making changes is never easy! 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>