

## Professional Development Situation: Coaching

### Skill Focus: Preparing STEM Learning Opportunities

Time Required: 15 minutes

# GETTING COMFORTABLE SELECTING STEM ACTIVITIES

Participants will reflect on their management of materials to learn to better prepare for STEM learning.

## Agenda

See the Skill in Action—10 minutes

- [Understanding your Audience's Needs](#) video-based learning module

Selecting Activities with Quality Materials—5 minutes

## Materials

- Computer with internet connection
- Whiteboard and writing utensils
- [Understanding your Audience's Needs](#) video-based learning module
- Optional: [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 "Preparing STEM Learning Opportunities". 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)

- Cue up the [Understanding your Audience's Needs](#) video-based learning module.
  - *As we watch this video we will be listening the ways that materials matter when working with youth.*
- Watch the video.
- Write “MATERIALS MATTER” as a header on a whiteboard or shared writing surface.
  - *What did Jean say about the materials she selects for doing STEM with youth?* (Possible responses: age-appropriate, setting children up for success, practicing with the same materials before youth do it, adding new materials from time to time, helping youth identify the ways materials can be useful e.g., string is floppy but good for tying)
- List participant ideas as they call them out. You will return to this list later on.
- Watch the video again if needed to extend the list to 6-8 things.

### Selecting Activities with Quality Materials (5 min)

- Think of an activity that you recently did with youth.
  - *What materials were available? (list them)*
  - *What materials met the criteria on the Materials Matter list that we just made?*
  - *What materials might you use differently next time?*
  - *How can you adapt the materials next time?*
- **Optional:** Make a [SMART Goal](#) for using materials in a future activity.

## 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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