

# Developing Your Own Purposeful Questions

## See the skill in action



What did you notice about Katie's questions?

What types of questions do you use in your facilitation?

How do you think these questions further STEM learning for youth?

# Activity Overview



What did you notice about the water filter activity?

Have you used this activity or something similar with your youth?

If so, what did you notice about the role of questions in the activity?

# Purposeful Questions Practice

What do you think will happen when you use that material?

What did you notice when you used \_\_\_\_\_?

# Hands on!



Test your design.

How can you make it more effective?

# Purposeful Questions Sample

Youth Outcome	Question	Potential Place In Activity	Desired Results
Encourage youth to predict what will happen	What do you think will happen when you use that material?	While youth are creating their water filter	Encouraging youth to make predictions encourages them to analyze and to think in advance and plan.
Encourage youth to observe what is happening	What did you notice when you used the charcoal?	While youth are creating their water filter	Asking questions about what youth are seeing will make them further use their observation skills - an important science skill
Encourage youth to communicate their findings	What did you find when you used those materials?	During demonstrations of the design of the water filters	Encouraging youth to articulate their results has them analyze as well as articulate

# Share what you learned

What was it like for you to participate in this activity?

How do you think this would work with your youth?

How can you use questions to enhance STEM learning?



# Thank you for coming!

Please complete the evaluation.

We appreciate your feedback