

# How can the video and materials be used?

7

These instructions are designed to supplement the video on open-ended questions.



Each page presents information about what the video content addresses, and the video shows an in-class demonstration of that content.



Throughout the presentation, there are three *Pause and Reflect* opportunities for the viewers to think about and reflect on what the video shows.



Pause and Reflect questions are accompanied by Key Takeaways that highlight significant ideas.

#### The Training Video and Supplemental Materials







The **7-minute video** demonstrates inquiry-based learning and can be used by individual teachers or as a group training tool. It includes:

- Asking open-ended questions
- Scaffolding children's responses

The supplemental materials include:

- Pause and Reflect questions
- Key Takeaways to think about and learn from
- Open-Ended Question Stems include examples of open-ended questions

# Inquiry Learning: **Using Open-Ended Questions**



#### INTRODUCTION

engage in conversations about that information

use varied language and vocabulary in response to questions

reflect on new information

Asking children open-ended questions allows them to...

answer questions with more than a one-word response

have the opportunity to think about possible answers







1:11









Play the video from the beginning to timestamp **1:11** 

Pause the video at timestamp **1:11** 

Review the *Pause and Reflect* question below

After consideration, click to continue and see the *Key Point* 



#### **Pause and Reflect**

- Notice how the children responded with more than a "yes" or "no" answer.
- What are the benefits of encouraging the children to respond with more than a "yes" or "no" answer?



# **Key Point**

When children have the opportunity to provide more than a one- or two-word answer, it allows them to think more deeply and critically about their response and to use extended language and vocabulary to express their ideas.







2:26









Play the video from timestamp **1:11** to timestamp **2:26** 

Pause the video at timestamp **2:26** 

Review the *Pause and Reflect* question below

After consideration, click to continue and see the *Key Point* 



#### **Pause and Reflect**

- In the video, the children are exploring the concept of "sink and float" while playing in the water.
- Reflect on how, during play, asking open-ended questions supports children's inquiry learning.



# **Key Point**

Hands-on experiences that promote inquiry learning provide opportunities for children to construct knowledge about topics. Teachers can encourage children to explore, question, and try out new discoveries by asking thought-provoking, open-ended questions, such as "What might happen if you try this?" or "How do you know...?" Even deeper and more critical thinking can be scaffolded by inviting children to "show you" what they mean and "tell you more" about what they are doing.







3:05









Play the video from timestamp **2:26** to timestamp **3:05** 

Pause the video at timestamp **3:05** 

Pause the video, and review the question stems below

Consider the question stems, and offer additional suggestions

#### Examples of open-ended question stems to promote deeper thinking and dialogue:

What are you working on?
Can you tell me how you made that?
Why do you think...?
How do you know...?
How could we find out...?
What is the same about...?
Describe how...
What is different about...?







5:27









Play the video from timestamp **3:05** to timestamp **5:27** 

Pause the video at timestamp **5:27** 

Review the *Pause and Reflect* question below

After consideration, click to continue and see the *Key Point* 



#### **Pause and Reflect**

How did the teacher's use of open-ended questions challenge the children and encourage them to think like scientists?



# **Key Point**

Open-ended questions challenge children to think like scientists as they observe, describe, make predictions, provide explanations, use their senses, communicate, and share ideas. These are the same methods that scientists use in their investigations. Continuing to ask questions based on children's responses validates what each child has said and encourages them to think more deeply about the topic. The goal is to encourage children to think reflectively, express their ideas, and expand the conversation.







Play the video from timestamp **5:27** to the end



Print each of the following documents for quick reference:

- Open-Ended Question Stems
- Key Takeaways and Ideas to Think About

