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# Building Conceptual Understanding Using Analytical Reading and Writing

**Overview:** Pre-AP shared principles and science areas of focus work together to allow students to gain, retain, and apply scientific knowledge. In this workshop, participants actively engage in a Pre-AP model lesson with an emphasis on analytical reading and writing. They will practice using the Pre-AP shared principles to promote understanding of content area text and scientific reasoning and justification. Participants will then consider how they can apply new learning within their own classroom context to support students as they become discerning citizens and consumers of scientific information.

## Participants will...

- Connect the Pre-AP science areas of focus and shared principles to student engagement while gaining, retaining, and applying scientific knowledge.
- Collaboratively plan to support student conceptual understanding through an emphasis on analytical reading and writing and incorporation of the Pre-AP shared principles.

## Agenda at a Glance (In-Person)

<p style="text-align: center;"><b>Welcome and Opening</b></p> <p style="text-align: center;"><i>Establish a collaborative learning environment and introduce the Pre-AP Program at a high level.</i></p> <p style="text-align: center;"><i>45 minutes</i></p>
<p style="text-align: center;"><b>Why Analytical Reading and Writing?</b></p> <p style="text-align: center;"><i>Connect a professional reading and engaging personal-learning experiences to the value of analytical reading and writing.</i></p> <p style="text-align: center;"><i>45 minutes</i></p>
<p style="text-align: center;"><b>Experiencing the Pre-AP Science Areas of Focus</b></p> <p style="text-align: center;"><i>Examine a Pre-AP model lesson from a student perspective to identify, describe, and analyze evidence of the three science areas of focus.</i></p> <p style="text-align: center;"><i>90 minutes</i></p>
<p style="text-align: center;"><b>Connecting to the Pre-AP Shared Principles</b></p> <p style="text-align: center;"><i>Identify the four shared principles common to all Pre-AP courses and explain how they support analytical reading and writing.</i></p> <p style="text-align: center;"><i>1 hour 50 minutes</i></p>
<p style="text-align: center;"><b>Incorporating Analytical Reading and Writing</b></p> <p style="text-align: center;"><i>Connect the Pre-AP science areas of focus and shared principles to the participant's own classroom instruction.</i></p> <p style="text-align: center;"><i>30 minutes</i></p>
<p style="text-align: center;"><b>Reflection and Closing</b></p> <p style="text-align: center;"><i>Synthesize the day's learning to connect best practices and support participant action steps.</i></p> <p style="text-align: center;"><i>10 minutes</i></p>

## Agenda at a Glance: One-Day Model (Virtual)

Below is a sample agenda of a Pre-AP Readiness Workshop scheduled for one day. One-day workshops are 6 hours total (5 hours of instructional time, 1 hour of break time). There is a maximum of 28 participants per workshop.

Day One Schedule – 6 hours	
<b>Segment 1</b>	Welcome and Introduction to Pre-AP
<b>Segment 2</b>	Exploring the Pre-AP Shared Principles and Areas of Focus
<b>Segment 3</b>	Model Lesson and Classroom Application
	Lunch
<b>Segment 4</b>	Model Lesson and Classroom Application
<b>Segment 5</b>	Collaborative Planning
<b>Segment 6</b>	Group Share
<b>Segment 7</b>	Reflection and Next Steps

## Agenda at a Glance: Two-Class Model (Virtual)

Below is a sample agenda of a Pre-AP Readiness Workshop scheduled across two classes. Participants meet twice within two weeks for 2 hours 30 min each class. There is a maximum of 28 participants per workshop.

Class One Schedule – 2.5 hours		Class Two Schedule – 2.5 hours	
<b>Segment 1</b>	Welcome and Introduction to Pre-AP	<b>Segment 4</b>	Welcome Back
		<b>Segment 5</b>	Model Lesson and Classroom Application
<b>Segment 2</b>	Exploring the Pre-AP Shared Principles and Areas of Focus	<b>Segment 6</b>	Collaborative Planning
<b>Segment 3</b>	Model Lesson and Classroom Application	<b>Segment 7</b>	Group Share
		<b>Segment 8</b>	Reflection and Next Steps