
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

Welcome and Opening <i>Establish a collaborative learning environment and introduce the Pre-AP Program at a high level.</i> 45 minutes
Why Analytical Reading and Writing? <i>Connect a professional reading and engaging personal-learning experiences to the value of analytical reading and writing.</i> 45 minutes
Experiencing the Pre-AP Science Areas of Focus <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> 90 minutes
Connecting to the Pre-AP Shared Principles <i>Identify the four shared principles common to all Pre-AP courses and explain how they support analytical reading and writing.</i> 1 hour 50 minutes
Incorporating Analytical Reading and Writing <i>Connect the Pre-AP science areas of focus and shared principles to the participant's own classroom instruction.</i> 30 minutes
Reflection and Closing <i>Synthesize the day's learning to connect best practices and support participant action steps.</i> 10 minutes