



VIRTUAL LAUNCH *PhD SCIENCE*® LEVELS K-5

SESSION OBJECTIVES

Participants will

- learn the importance of allowing students to ask questions and drive learning,
- discover the role of hands-on investigations in building scientific understanding,
- gain confidence implementing a rigorous curriculum that prizes productive struggle,
- investigate how the curriculum helps students build knowledge,
- explore how the curriculum teaches and assesses skills, and
- develop skill in accessing and using the program's resources.

TIME	AGENDA	DESCRIPTION
PART A		
10 minutes	Launch Session Introduction	Set a purpose for building knowledge throughout the session to focus learning.
55 minutes	Learn I Instructional Shifts and Curriculum Structure	<ul style="list-style-type: none"> • Identify instructional shifts by studying foundational information on three-dimensional teaching and learning. • Examine the curriculum's structure to establish a basis for implementation.
55 minutes	Learn II Module Foundations	<ul style="list-style-type: none"> • Engage in a sample lesson to build knowledge of anchor visuals and their development process. • Analyze a lesson set to discover how the Teacher Edition supports instructional shifts.
60 minutes	Offline Interim Work	<ul style="list-style-type: none"> • Complete an outline of the module's questioning structure to gain familiarity with the content and progression of the module. • Complete a lesson set scavenger hunt to improve navigation of the Teacher Edition and the curriculum.
60 minutes	Offline Lunch	

TIME	AGENDA	DESCRIPTION
PART B		
55 minutes	Learn III Knowledge-Building Investigations	<ul style="list-style-type: none"> • Explore how learning design elements strengthen students' scientific understanding with hands-on investigations. • Experience how the study of scientific phenomena in the lesson set helps explain the anchor phenomenon and supports knowledge building. • Determine the role of the teacher as a facilitator to guide student-driven learning.
55 minutes	Learn IV Assessment, Resources, and Materials	<ul style="list-style-type: none"> • Study the types of three-dimensional assessments that gauge depth of student understanding and knowledge. • Explore embedded and supplemental materials and resources that support implementation.
10 minutes	Land Session Close	Solidify key learning and understanding of the session content.