PhD SCIENCE®

PROFESSIONAL DEVELOPMENT

VIRTUAL LAUNCH *PhD SCIENCE*® LEVELS K–2

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,
- develop skill in accessing and using the program's resources.

TIME	AGENDA	DESCRIPTION
2 hours	**Launch** Module Foundations	Explore the anchor phenomenon, anchor model, and driving question board in the context of Level 1 Module 1.
1 hour	**Learn, Part I** Instructional Shifts	Examine the curriculum's structure. • Analyze the instructional shifts required for three-dimensional learning. • Study a lesson set to discover how the Teacher Edition supports instructional shifts.
1 hour	**Offline Lunch Break**	
2 hours	**Learn, Part II** Module Exploration	Explore how learning design elements strengthen students' scientific understanding. • Anchor visuals evolve throughout a module to document layers of learning. • Hands-on investigations and study of scientific phenomena in the lesson set help explain the anchor phenomenon and support knowledge building. • Authentic core texts and fine art reinforce new knowledge. • Engineering and Science Challenges encourage application of knowledge in alternative contexts. • Assessments gauge student progress.
1 hour	**Land** Curriculum Foundation and Resources	Expand on content from Learn, Part I. • Explore the curriculum's embedded resources. • Examine the anchor visuals to understand their crucial role in three-dimensional instruction. • Engage in a Socratic Seminar.