

PROFESSIONAL DEVELOPMENT

OVERVIEW

This session, the first in the *PhD Science* Professional Development sequence, introduces participants to the shifts in science instruction. Participants experience these shifts through a *PhD Science* student-hat experience. This session introduces participants to the learning design, structure, and key components of the curriculum. By exploring *PhD Science* resources that support implementation, educators gain the confidence to implement a rigorous, student-driven curriculum.

SESSION OBJECTIVES

Participants will

- explore instructional shifts that facilitate three-dimensional learning,
- experience the curriculum from a student’s perspective to understand how the shifts are integrated into *PhD Science*,
- explain how the structure and key components of the curriculum reflect the shifts in science instruction, and
- explore how the curriculum resources can support implementation.

TIME	AGENDA	DESCRIPTION
15 minutes	Launch	<ul style="list-style-type: none"> ▪ Review the session objectives, materials, and other housekeeping items.
100 minutes	Learn I	<ul style="list-style-type: none"> ▪ Explore how students engage with the three dimensions and the instructional shifts to build a new vision of science instruction. ▪ Engage in a student-hat experience to connect the instructional shifts with <i>PhD Science</i> curriculum components.
65 minutes	Learn II	<ul style="list-style-type: none"> ▪ Experience <i>PhD Science</i> in action to continue to build participants’ new vision of science instruction. ▪ Explore key components and structure of the curriculum to help participants successfully implement the curriculum
80 minutes	Learn II continued	<ul style="list-style-type: none"> ▪ Examine grade-level content to build module-specific knowledge and identify how the shifts are integrated throughout the curriculum. ▪ Explore key components, including curriculum assessments, to help participants successfully implement the curriculum.
65 minutes	Learn III	<ul style="list-style-type: none"> ▪ Understand key components of the curriculum and how they support implementation. ▪ Explore how <i>PhD Science</i> resources support planning for instruction. ▪ Engage in planning time to utilize resources and prepare for instruction.
15 minutes	Land	<ul style="list-style-type: none"> ▪ Ask any remaining questions. ▪ Reflect on and summarize learning.

There will be two 10-minute breaks and a 1-hour lunch break during the session.