PhD SCIENCE® Lead *PhD Science*®

GREAT MINDS™

PROFESSIONAL DEVELOPMENT

SESSION OVERVIEW

This foundational session introduces leaders to how teachers and students engage with the three dimensions and shifts in science instruction to build a vision of science instruction. Participants explore the learning design, structure, and key components of the curriculum to build an understanding of how *PhD Science* supports teachers in implementing the shifts. Participants explore the *PhD Science* phases of implementation. This resource provides leaders with a vision of the cumulative learning continuum that builds knowledge and practice over time. This resource supports leaders in their observation practices as well as in developing an actionable plan to support teachers in successfully implementing the curriculum. By exploring *PhD Science* resources that support implementation, leaders gain the confidence to support the implementation of a rigorous, student-driven curriculum.

SESSION OBJECTIVES

Participants will

- explore instructional shifts that facilitate three-dimensional learning,
- understand how the structure and key components of the curriculum support the shifts in science instruction,
- identify key indicators of a *PhD Science* classroom, and
- create an actionable plan for supporting the implementation of *PhD Science.*

TIME	AGENDA	DESCRIPTION
15 minutes	**Launch** Session Introduction	• Review the session objectives, materials, and other housekeeping items.
33 minutes	**Learn I** What do the instructional shifts look like in *PhD Science*?	• Explore how teachers and students engage with the three dimensions and the instructional shifts to build a new vision of science instruction.
32 minutes	**Learn II** How does *PhD Science* support shifts in science instruction?	• Explore resources, key components, and structure of the curriculum to help participants support teachers successfully implement the curriculum.
45 minutes	**Learn III** What are key indicators of a *PhD Science* classroom?	• Identify and observe key indicators of a *PhD Science* classroom to support teachers successfully implementing the curriculum.
35 minutes	**Learn IV** How can I support the implementation of *PhD Science*?	• Develop an actionable plan to support teachers in successfully implementing the curriculum.
10 minutes	**Land** Session Closing	• Ask any remaining questions. • Reflect on and summarize learning.

There will be one 10-minute break during the session.