



# Virtual Launch *PhD Science*® TEKS Edition Levels K–5



## PROFESSIONAL DEVELOPMENT

### 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
<b>Part A</b>		
10 min	<b>Launch</b>	Set a purpose for building knowledge throughout the session to focus learning.
55 min	<b>Learn I</b> Instructional Shifts and Curriculum Structure	<ul style="list-style-type: none"><li>• Exploring foundational information about the TEKS helps participants understand the integration of phenomena and standards within the curriculum.</li><li>• Showcasing the <i>PhD Science</i> anchor visuals demonstrates their importance and reinforces what a TEKS-aligned classroom should look like.</li><li>• Understanding the nuts and bolts of the curriculum's structure and organization helps participants build a concrete foundation for implementation.</li></ul>
55 min	<b>Learn II</b> Anchor Visuals	<ul style="list-style-type: none"><li>• Engaging in a sample lesson from a student-hat lens builds participant knowledge about the anchor visuals development process, reinforces instructional shifts, and better prepares educators to support students.</li><li>• Reviewing the asynchronous interim work directions provides participants with an overview of the activities they will complete.</li></ul>
60 min	<b>Offline Interim Work</b>	<ul style="list-style-type: none"><li>• Complete an outline of the module's questioning structure to gain familiarity with the content and progression of the module.</li><li>• Complete a lesson set scavenger hunt to improve navigation of the Teacher Edition and the curriculum.</li></ul>
60 min	<b>Offline Lunch</b>	

<b>Part B</b>		
60 min	<b>Learn III</b> Knowledge-Building Investigations	<ul style="list-style-type: none"> <li>Updating the <i>PhD Science</i> anchor visuals deepens participant understanding of the curriculum to support implementation.</li> <li>Engaging in a sample lesson from a student-hat lens helps educators understand how students build investigative knowledge.</li> <li>Engaging in a sample lesson from a student-hat lens improves participant understanding of the anchor visuals development process and reinforces instructional shifts to help educators support students.</li> <li>Analyzing how the anchor visuals develop throughout a module increases participants' content knowledge to support instructional practice.</li> </ul>
50 min	<b>Learn IV</b> Assessment, Resources, and Materials	<ul style="list-style-type: none"> <li>Developing a deep understanding of the types of assessments helps teachers use assessments more effectively for formative and summative purposes.</li> <li>Exposing implementers to curriculum materials and resources informs them of ways to support implementation.</li> <li>Allowing implementers time to engage in and deepen their understanding of the curriculum's content and resources builds their confidence and comfort with the curriculum going into year 1.</li> </ul>
10 min	<b>Land</b> Session Close	Solidify key learning and understanding of the session content.