



VIRTUAL COACHING: ADVANCING SCIENCE INSTRUCTION WITH COLLABORATIVE CONVERSATIONS

SESSION OBJECTIVES

Participants will

- explore collaborative conversation as an instructional routine in three-dimensional teaching and learning,
- examine ways to maintain collaborative conversations in a virtual setting, and
- apply collaborative conversations to three-dimensional components of *PhD Science*®.

TIME	AGENDA	DESCRIPTION
25 minutes	Launch Session Introduction	Review the session agenda, objectives, materials, and other housekeeping items.
1 hour	Learn, Part I Explore the Collaborative Conversations as an Instructional Technique	Engage collaborative conversations to see how this practice among students can enhance science instruction to reinforce three-dimensional teaching and learning. Apply this new knowledge to specific components of the Science and Engineering Practices.
10 minutes	Offline Break	
45 minutes	Learn, Part II Maintaining Collaborative Conversations in a Virtual Environment	Discover ways to implement and maintain three-dimensional teaching and learning when students aren't in the classroom and learning is taking place a home.
35 minutes	Learn, Part III Apply Collaborative Conversations to the Three-Dimensional Components of <i>PhD Science</i>	Examine collaborative conversation-based instructional routines in a <i>PhD Science</i> module.
5 minutes	Land Session Close	Review what was learned and answer remaining questions.