



Science PD and Coaching

2023 - 2024

Provided by the Idaho Science Coaches



Making the Shift to 3D Teaching & Learning

The new science content standards include three dimensions: what the student does, what the student knows, and how the student thinks. That's 3D teaching & learning! Teachers will experience the difference between a traditional science classroom and a new one by exploring each component and engaging in a 3D lesson.

Teaching Science is Phenomenal

Using phenomena encourages students' instincts to ask questions and make sense of the world around them. In this session, teachers will examine a phenomenon and construct an explanation in the same manner as a student would.

Bite-Sized Science in Literacy

Elementary teachers are challenged to find the time to fit science into the day. In this workshop, teachers will experience instructional activities that engage students in phenomena and lead them to develop questions, investigate, and make claims about the world, all in 15–20-minute bites while using picture books and ELA strategies!

Assessment Matters: Building 3D Science Assessment

Instead of testing students on their ability to memorize facts, we want to assess students on their ability to DO science. Teachers will uncover the "why" and "how" of building and using 3D assessment aligned to 3D standards. Teachers will engage in conversation, hands-on learning, and ideas for practical ways to create and integrate 3D assessment (and rubrics) into their classroom!

Spicing up Cookie-Cutter Labs

Find out what the common missing ingredient is to cookbook labs and how you can add that ingredient to increase student ownership and sense-making. Teachers will learn how to revamp their lab recipe to include inquiry and be more three-dimensional, where students are using the Science and Engineering Practices (SEPs) to discover the content and the Crosscutting Concepts (CCCs) as the lenses through which phenomena are studied, understood, and explained. Be ready to spice things up by engaging in conversations, hands-on learning, and practical ways to tweak your cookbook labs.

Science Strategies to Start the Year

This presentation will rejuvenate, replenish, and help science educators plan for the start of their school year. The strategies shared will bring the focus back to letting students wonder, explore, and ask questions while setting expectations and standards for the year. Be ready to engage in conversation, hands-on learning, and learn about ideas for practical ways to create while integrating 3D lessons into your classroom!

Writing in Science

Let's recognize all the fantastic science teaching and writing you do in your classroom! Then join in looking at writing in science through a different lens as multiple strategies are shared that can be added to your lessons to intentionally include writing and enhance student engagement and sense-making of the 3-dimensional science standards.



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Watch for many new and exciting classes, workshops, and PDs to come, like:

- **Supporting Science Educators**
- **Storylines**
- **DCI Deep Dive for Elementary Physical Science**
- **Science Strategies to Start the Year**
- **Universal Design for SCIENCE Learning**
- **Making “Scents” of Sensemaking**
- **L.A.B.S. – Leveraging Activities for Better Science**
- **And much more!**

ALL topics can be taught in person and have the flexibility to fit within a 1-hour session but are more beneficial when more time can be allotted, whether on the same day or split amongst multiple days. Each topic will be tailored to fit the needs of the school district and the teachers in attendance. Please get in touch with your Regional Science Coach to schedule your Idaho Science Coaching!

***Note that some of the topics listed in this document are also offered as FREE online classes with optional continuing education credit(s).**