



3-Dimensional Lesson Screening Tool

1. The lesson contains a **phenomenon** (science) or a **problem** (engineering). No Partially Yes
2. The lesson is **student-centered** and requires students to figure something out. No Partially Yes
3. The phenomenon or problem builds to an understanding of a **Disciplinary Core Idea (DCI)** in one of the assessed Performance Expectations. No Partially Yes
4. Students engage in one or more of the **Science and Engineering Practices (SEP)** to aid in making sense of the phenomenon or problem. (check all that apply)

- Analyzing & Interpreting Data
- Asking Questions
- Constructing Explanations
- Defining Problems
- Designing Solutions
- Developing & Using Models

- Engaging in Argument from Evidence
- Mathematics & Computational Thinking
- Obtain, Evaluate, Communicate Information
- Planning & Carrying Out Investigations

5. Students use one or more of the **Crosscutting Concepts (CCC)** to aid in making sense of the phenomenon or problem. (check all that apply)

- Cause & Effect
- Energy & Matter
- Patterns
- Scale, Proportion, & Quantity

- Stability & Change
- Structure & Function
- Systems & System Models



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3-Dimensional Lesson Screening Tool (cont.)

6. The lesson provides **explicit instruction** on how to use the **SEP** and **CCC** appropriately. (e.g. scaffolds, protocols, etc.) No Partially Yes
7. The lesson provides opportunities for **student discourse** as they express ideas, make their thinking visible, and respond to peer and teacher feedback. No Partially Yes
8. The lesson includes embedded **formative assessments** so that students and the teacher can determine what future learning needs to occur. No Partially Yes
9. The lesson uses **scientifically authentic** information and models to support students in making sense of the phenomenon or problem. (i.e. real science) No Partially Yes
10. The learning is **relevant** and **age appropriate** based on the grade-level learning progressions. No Partially Yes
11. The learning contributes to a better understanding of the **anchoring phenomenon** or **problem** in the unit. No Partially Yes
12. Instruction is **differentiated** and includes supports for all students. No Partially Yes

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