

Tool 1A: PEEC Prescreen Response Form (Phenomena)

This tool is used during Phase 1: PEEC Prescreen to collect and organize data that describes how a single instructional materials program supports students in making sense of phenomena and designing solutions to problems.

Making Sense of Phenomena and Designing Solutions to Problems: The instructional materials program **focuses** on supporting students to make sense of a phenomenon or design solutions to a problem.

NGSS designed programs will look <i>less</i> like this:	NGSS designed programs will look <i>more</i> like this:
Making sense of phenomena and designing solutions to problems are not a part of student learning or are presented separately from “learning time” (i.e. used only as a “hook” or engagement tool; used only for enrichment or reward after learning; only loosely connected to a DCI).	The <u>purpose and focus</u> of a learning sequence is to support students in making sense of phenomena and/or designing solutions to problems. The entire sequence drives toward this goal.
The focus is only on getting the “right” answer to explain the phenomenon	Student sense-making of phenomena or designing of solutions is used as a window into student understanding of all three dimensions of the NGSS.
A different, new, or unrelated phenomenon is used to start every lesson.	Lessons work together in a coherent storyline to help students make sense of phenomena.

Teachers tell students about an interesting phenomenon or problem in the world.	Students get <u>direct</u> (preferably firsthand, or through media representations) experience with a phenomenon or problem that is relevant to them and is developmentally appropriate.
Phenomena are brought into learning after students develop the science ideas so students can apply what they learned.	The <u>development</u> of science ideas is anchored in making sense of phenomena or designing solutions to problems.

Less Like This	More like this	
Evidence this criterion IS NOT designed into this instructional materials program.	Evidence this criterion IS designed into this instructional materials program	
What was in the materials, where was it, and why is this evidence?	What was in the materials, where was it, and why is this evidence?	Shows Promise?
		<input type="checkbox"/>