

Tool 1C: PEEC Prescreen Response Form (Three Dimensions for Instruction and Assessment)

This tool is used during Phase 1: PEEC Prescreen to collect and organize data that describes how a single instructional materials program integrates the three dimensions for instruction and assessment.

Integrating the Three Dimensions for Instruction and Assessment: The instructional materials program requires student performances that integrate elements of the SEPs, CCCs, and DCIs to make sense of phenomena or design solutions to problems, and the learning sequence elicits student artifacts that show **direct, observable evidence** of three-dimensional learning.

| NGSS designed programs will look <i>less</i> like this: | NGSS designed programs will look <i>more</i> like this: |
|--|---|
| Students learn the three dimensions in isolation from each other (e.g., a separate lesson or activity on science methods followed by a later lesson on science knowledge). | <p>The learning sequence is designed to build student proficiency in at least one grade-appropriate element from each of the three dimensions.</p> <p>The three dimensions intentionally work together to help students explain a phenomenon or design solutions to a problem.</p> <p>All three dimensions are <i>necessary</i> for sense-making and problem-solving.</p> |
| Teachers assume that correct answers indicate student proficiency without the student providing evidence or reasoning. | Teachers deliberately seek out <i>student artifacts</i> that show direct, observable evidence of learning, building toward all three dimensions of the NGSS at a grade-appropriate level. |

| NGSS designed programs will look <i>less</i> like this: | NGSS designed programs will look <i>more</i> like this: |
|--|--|
| Teachers measure only one dimension at a time (e.g., separate items for measuring SEPs, DCIs, and CCCs). | Teachers use tasks that ask students to explain phenomena or design solutions to problems, and that reveal the level of student proficiency in <i>all three dimensions</i> . |

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