**Science, Technology & Engineering, and Environment Literacy & Sustainability (STEELS)**

**Grades K–2**

**3.5.K-2.DD Technology and Engineering:** Core Concepts of Technology and Engineering

Students who demonstrate understanding can **collaborate effectively as a member of a team.**

**Clarifying Statement:** To operate at the most effective level, team members must learn to communicate and work together as a unit. Strategies to work together in a team must be modeled by the teacher and laid out as an expectation within the laboratory-classroom setting.

**Assessment Boundary:** N/A

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<tr>
<td><strong>Asking Questions and Defining Problems</strong></td>
<td>N/A</td>
<td><strong>Collaboration</strong></td>
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<td>Asking questions and defining problems in K–2 builds on prior experiences and progresses to simple descriptive questions that can be tested.</td>
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<td>• Define a simple problem that can be solved through the development of a new or improved object or tool.</td>
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**Pennsylvania Context:** N/A

**Pennsylvania Career Ready Skills:** Select and utilize expressive communication strategies (e.g., tone, body language, facial expressions) with an understanding of its effect on others.

**Connections to Other Standards Content and Practices**

<table>
<thead>
<tr>
<th>Standard Source</th>
<th>Possible Connections to Other Standard(s) or Practice(s)</th>
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| PA Core Standards: Reading and Writing in Science and Technical Areas | CC.1.4.K.U: With guidance and support, explore a variety of digital tools to produce and publish writing or in collaboration with peers.  
CC.1.4.1-2.U: With guidance and support, use a variety of digital tools to produce and publish writing including in collaboration with peers.  
CC.1.4.K.V: Participate in individual or shared research projects on a topic of interest.  
CC.1.4.1-2.V: Participate in individual or shared research and writing projects.  
CC.1.4.K-1.W: With guidance and support, recall information from experiences or gather information from provided sources to answer a question.  
CC.1.4.2.W: Recall information from experiences or gather information from provided sources to answer a question.  
| PA Core Standards and Practices: Math | MP.2: Reason abstractly and quantitatively.  
MP.4: Model with mathematics.  
MP.5: Use appropriate tools strategically. |
| Science, Technology & Engineering, and Environmental Literacy & Sustainability Academic Standards | N/A |