



### INVESTIGATE THE WORLD

*What is the evidence that the student uses scientific procedures and disciplines to investigate natural and/or human global phenomena?*

- **SCI3-5.INV1.QUSTN.** Raises questions about a science issue.
- **SCI3-5.INV2.SOURC.** Gathers background information from a limited number of sources and begins to analyze these sources.
- **SCI3-5.INV3.MODEL.** Identifies existing theories and/or models related to a scientific question.
- **SCI3-5.INV4.XPRMT.** Designs an experiment that is related to the stated question and bases conclusions on opinions as well as some observation, measurement, and data.

### RECOGNIZE PERSPECTIVES

*What is the evidence that the student interprets and discusses scientific data in the context of complex global systems?*

- **SCI3-5.PERS1.CNTXT.** Identifies and uses a single context to explain a global science issue.
- **SCI3-5.PERS2.DATA.** Organizes and restates experimental data, begins to identify patterns, and refers back to the original question in the conclusion.
- **SCI3-5.PERS3.QUSTN.** Poses new questions with some relevance to the research findings.

### COMMUNICATE IDEAS

*What is the evidence that the student advances and defends arguments that foster collaboration among diverse audiences?*

- **SCI3-5.COMM1.PRCDR.** Describes experimental and/or research procedures generally, but cannot replicate them and bibliographic format for references or citations is inconsistent.
- **SCI3-5.COMM2.VSULS.** Presents data with visual representations, demonstrating a basic understanding of the science issue and experimental or research presentation partially follows the conventions of scientific communication.
- **SCI3-5.COMM3.TECH.** Uses technology and media to express ideas and collaborate within the classroom.
- **SCI3-5.COMM4.FORMT.** Selects from limited communication choices, indicating a basic understanding of a science issue.

### TAKE ACTION

*What is the evidence that the student translates scientific inquiry or research results into actions that increase awareness and improve global conditions?*

- **SCI3-5.ACT1.PLAN.** Develops a basic action plan that describes positive actions or policy.
- **SCI3-5.ACT2.IMPCT.** Identifies available technology for selected actions.
- **SCI3-5.ACT3.IMPLT.** Implements and discusses an action plan.
- **SCI3-5.ACT4.RFLCT.** Mentions in a reflection how feelings and thinking about the issue was informed by the project.