

Curricular Competencies Rubric

Curricular Competency	Evidence for Curricular Competency
Questioning and predicting	Student demonstrates a sustained intellectual curiosity about a scientific topic or problem of personal, local, or global interest
Processing and analyzing data and information	<p>Student seeks and analyzes patterns, trends, and connections in data, including describing relationships between variables, performing calculations, and identifying inconsistencies</p> <p>Student constructs, analyzes, and interprets graphs, models, and/or diagrams</p> <p>Student uses knowledge of scientific concepts to draw conclusions that are consistent with evidence</p> <p>Student analyzes cause-and-effect relationships</p>
Evaluating	<p>Student considers social, ethical, and environmental implications of the findings from their own and others' investigations</p> <p>Student critically analyzes the validity of information in primary and secondary sources and evaluates the approaches used to solve problems</p> <p>Student is able to assess risks in the context of personal safety and social responsibility</p>
Applying and innovating	<p>Student contributes to care for self, others, community, and world through individual or collaborative approaches</p> <p>Student co-operatively designs projects with local and/or global connections and applications</p> <p>Student contributes to finding solutions to problems at a local and/or global level through inquiry</p> <p>Student implements multiple strategies to solve problems in real-life, applied, and conceptual situations</p>