

### Natural Sciences (S, SB, SP, and SE) Assessment

<b>1 CRITERIA</b>	<b>2 ADVANCED</b>	<b>3 PROFICIENT</b>	<b>4 BASIC</b>	<b>5 UNSATISFACTORY</b>
<p>Students understand the basic scientific concepts in the discipline.</p> <p>Assessment method (assignment/task assessed)</p>	<p>Demonstrates a thorough understanding of the generalizations, concepts, and facts specific to the situation and provides new comprehension of some aspect of this information.</p> <p># of Students _____</p>	<p>Displays a complete and accurate understanding of the generalizations, concepts, and facts specific to the situation.</p> <p># of Students _____</p>	<p>Displays an incomplete understanding of the generalizations, concepts, and facts specific to the situation and has some notable misconceptions.</p> <p># of Students _____</p>	<p>Demonstrates severe misconceptions about the generalizations, concepts, and facts specific to the situation.</p> <p># of Students _____</p>
<p>Students recognize scope and limitations of the scientific approach.</p> <p>Assessment method (assignment/task assessed)</p>	<p>Provides a complete and accurate explanation of the outcome of the activity or experiment and does so in terms of the relevant facts, concepts, or principles. Provides understanding of the nature of the phenomenon studied or the facts, concepts, and principles used to explain it.</p> <p># of Students _____</p>	<p>Provides a complete explanation of the outcome of the activity or experiment with no important errors. Presents the explanation in terms of the relevant facts, concepts, or principles.</p> <p># of Students _____</p>	<p>Provides a general explanation of the outcome of the activity or experiment but omits one or two important aspects, or may not effectively relate the outcome to the facts, concepts, or principles being used to generate the prediction.</p> <p># of Students _____</p>	<p>Provides an inaccurate, highly flawed explanation of how the outcome relates to the original explanation.</p> <p># of Students _____</p>
<p>Students comprehend relationships between the discipline and contemporary society.</p> <p>Assessment method (assignment/task assessed)</p>	<p>Comprehends multiple relationships between the discipline and contemporary society,</p> <p># of Students _____</p>	<p>Demonstrates comprehension of some relationships between the discipline and contemporary society.</p> <p># of Students _____</p>	<p>Demonstrates comprehension of few relationships between the discipline and contemporary society.</p> <p># of Students _____</p>	<p>Fails to understand the relationship between the discipline and contemporary society.</p> <p># of Students _____</p>