

## Science and Technology Rubric

### Core Academic Skills

	4	3	2	1
<b>Demonstrate basic knowledge of major concepts related to science and technology (in the form of papers, lab reports, etc)</b>	Students are able to present/discuss/explain their <i>basic knowledge</i> of science and technology.	Students are able to present/discuss/explain, with <i>limited knowledge</i> , the concepts related to science and technology in written form.	Students are able to present/discuss/explain, with <i>emerging knowledge</i> , the concepts related to science and technology.	Students are <i>unable to present/discuss/explain any basic knowledge</i> of concepts related to science and technology.
<b>Critically read, evaluate and interpret research findings and/or theories and draw reasonable conclusions (in the form of papers, lab reports, etc)</b>	Students are able to critically read, evaluate and interpret research findings and/or theories and <i>draw reasonable conclusions</i> . These conclusions are found in the student work submitted.	Students are able to critically read, evaluate and interpret research findings and/or theories but <i>unable to draw reasonable conclusions</i> .	Students are able to critically read and evaluate research findings, <i>but unable to interpret the theories and draw reasonable conclusions</i> .	Students are able to critically read the research findings, <i>but unable to evaluate, interpret or draw reasonable conclusions with the found material</i>
<b>Transfer, adapt, and apply prior knowledge to science and technology related issues in order to develop a new understanding (in the form of papers, lab reports, etc)</b>	Students are able to integrate their prior knowledge of science and technology to <i>new concepts</i> and ideas. Therefore developing a new understanding.	Students are able to integrate their prior knowledge of science and technology to <i>somewhat new concepts</i> and ideas. Therefore developing an <i>emerging understanding</i> . (They are still in the process of using prior knowledge to develop a new idea)	Students are able to integrate their prior knowledge of science and technology. Students are able to Transfer, adapt, and apply prior knowledge to science and technology related issues but are <i>unable to develop a new understanding</i>	Students are unable to integrate their prior knowledge of science and technology to new concepts and ideas. Students are unable to Transfer, adapt, and apply prior knowledge to science and technology related issues therefore <i>unable to develop a new understanding</i> .
<b>Identify reliable resources of information from a variety of resources</b>	<i>A majority (90%)</i> of resources chosen and cited by the student were deemed reliable	<i>Most (75%)</i> of the resources chosen and cited by the student were deemed reliable	<i>Half (50%)</i> of the resources chosen and cited by the student were deemed reliable	<i>Less than Half (50%)</i> of the resources chosen and cited by the student were deemed reliable.