

## Sciences Rubric – Year 3

### Criterion D: REFLECTING ON THE IMPACTS OF SCIENCE

At the end of year 3, students should be able to:

- i. Describe the ways in which science is applied and used to address a specific problem or issue
- ii. Discuss and analyze the various implications of using science and its application in solving a specific problem or issue
- iii. Apply scientific language effectively
- iv. Document the work of others and sources of information used.

Achievement Level	Level Descriptor
0	The student <b>does not</b> reach a standard described by any of the descriptors below.
1-2	The student is able to: <ol style="list-style-type: none"> <li>i. <b>State</b> the ways in which science is used to address a specific problem or issue</li> <li>ii. <b>State</b> the implications of the use of science to solve a specific problem or issue, interacting with a factor</li> <li>iii. <b>Apply</b> scientific language to communicate understanding but does so <b>with limited success</b></li> <li>iv. Document sources, <b>with limited success</b></li> </ol>
3-4	The student is able to: <ol style="list-style-type: none"> <li>i. <b>Outline</b> the ways in which science is used to address a specific problem or issue</li> <li>ii. <b>Outline</b> the implications of using science to solve a specific problem or issue, interacting with a factor</li> <li>iii. <b>Sometimes apply</b> scientific language to communicate understanding</li> <li>iv. <b>Sometimes</b> document sources <b>correctly</b></li> </ol>
5-6	The student is able to: <ol style="list-style-type: none"> <li>i. <b>Summarize</b> the ways in which science is applied and used to address a specific problem or issue</li> <li>ii. <b>Describe</b> the implications of using science and its application to solve a specific problem or issue, interacting with a factor</li> <li>iii. <b>Usually apply</b> scientific language to communicate understanding <b>clearly and precisely</b></li> <li>iv. <b>Usually</b> document sources <b>correctly</b>.</li> </ol>
7-8	The student is able to: <ol style="list-style-type: none"> <li>i. <b>Describe</b> the ways in which science is applied and used to address a specific problem or issue</li> <li>ii. <b>Discuss and analyze</b> the implications of using science and its application to solve a specific problem or issue, interacting with a factor</li> <li>iii. <b>Consistently apply</b> scientific language to communicate understanding <b>clearly and precisely</b></li> <li>iv. Document sources <b>completely</b>.</li> </ol>