

Criterion D: Reflecting on the impacts of science

Maximum: 8

At the end of year 5, students should be able to:

- i. explain the ways in which science is applied and used to address a specific problem or issue
- ii. discuss and evaluate the various implications of using science and its application to solve 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 does not reach a standard identified by any of the descriptors below.
1–2	<p>The student is able to:</p> <ol style="list-style-type: none">i. outline the ways in which science is used to address a specific problem or issueii. outline the implications of using science to solve a specific problem or issue, interacting with a factoriii. apply scientific language to communicate understanding but does so with limited successiv. document sources, with limited success.
3–4	<p>The student is able to:</p> <ol style="list-style-type: none">i. summarize the ways in which science is applied and used to address a specific problem or issueii. describe the implications of using science and its application to solve a specific problem or issue, interacting with a factoriii. sometimes apply scientific language to communicate understandingiv. sometimes document sources correctly.
5–6	<p>The student is able to:</p> <ol style="list-style-type: none">i. describe the ways in which science is applied and used to address a specific problem or issueii. discuss the implications of using science and its application to solve a specific problem or issue, interacting with a factoriii. usually apply scientific language to communicate understanding clearly and preciselyiv. usually document sources correctly.

Achievement level	Level descriptor
7–8	<p>The student is able to:</p> <ul style="list-style-type: none"> i. explain the ways in which science is applied and used to address a specific problem or issue ii. discuss and evaluate the implications of using science and its application to solve a specific problem or issue, interacting with a factor iii. consistently apply scientific language to communicate understanding clearly and precisely iv. document sources completely.