

Level	Criterion D: Reflecting on the Impacts of Science - General Descriptors Grades 7-8 / MYP Years 2-3
7 - 8	<ul style="list-style-type: none"> <li>i. <u>describe</u> the ways in which science is <u>applied</u> and used to address a specific problem or issue</li> <li>ii. <u>discuss</u> and <u>analyse</u> the implications of using science and its application to solve a specific problem or issue, interacting with a factor (<u>cultural</u>, <u>economic</u>, <u>environmental</u>, <u>ethical</u>, <u>moral</u>, <u>political</u>, <u>social</u>)</li> <li>iii. consistently <u>apply</u> scientific language to communicate understanding clearly and precisely</li> <li>iv. <u>document</u> sources completely.</li> </ul>
5 - 6	<ul style="list-style-type: none"> <li>i. <u>summarize</u> the ways in which science is <u>applied</u> and used to address a specific problem or issue</li> <li>ii. <u>describe</u> the implications of using science and its application to solve a specific problem or issue, interacting with a factor (<u>cultural</u>, <u>economic</u>, <u>environmental</u>, <u>ethical</u>, <u>moral</u>, <u>political</u>, <u>social</u>)</li> <li>iii. usually <u>apply</u> scientific language to communicate understanding clearly and precisely</li> <li>iv. usually <u>document</u> sources correctly.</li> </ul>
3 - 4	<ul style="list-style-type: none"> <li>i. <u>outline</u> the ways in which science is used to address a specific problem or issue</li> <li>ii. <u>outline</u> the implications of using science to solve a specific problem or issue, interacting with a factor (<u>cultural</u>, <u>economic</u>, <u>environmental</u>, <u>ethical</u>, <u>moral</u>, <u>political</u>, <u>social</u>)</li> <li>iii. sometimes <u>apply</u> understanding scientific language to communicate</li> <li>iv. sometimes <u>document</u> sources correctly.</li> </ul>
1 - 2	<ul style="list-style-type: none"> <li>i. <u>state</u> the ways in which science is used to address a specific problem or issue</li> <li>ii. <u>state</u> the implications of the use of science to solve a specific problem or issue, interacting with a factor (<u>cultural</u>, <u>economic</u>, <u>environmental</u>, <u>ethical</u>, <u>moral</u>, <u>political</u>, <u>social</u>)</li> <li>iii. <u>apply</u> scientific language to communicate understanding but does so with limited success</li> <li>iv. <u>document</u> sources, with limited success.</li> </ul>
0	The student does not reach a standard identified by any of the descriptors below.

Term	<u>MYP definition on top</u> <u>Our definition underneath</u>
Analyse	<p><u>MYP definition:</u> Break down in order to bring out the essential elements or structure. To identify parts and relationships, and to interpret information to reach conclusions.</p> <p><u>Our definition:</u> Take apart and look at how the parts interact. Look for patterns and figure out what those patterns mean.</p>
Apply	<p><u>MYP definition:</u> Use knowledge and understanding in response to a given situation or real circumstance.</p> <p><u>Our definition:</u> Use what you already know in a new and/or different situation.</p>
Cultural	<p><u>MYP definition:</u> Patterns of knowledge, behaviour, beliefs, shared attitudes, values, goals and practices that characterize groups of people</p> <p><u>Our definition:</u> The shared beliefs and values of different groups of people.</p>

<b>Describe</b>	<p><u>MYP definition:</u> Give a detailed account or picture of a situation, event, pattern or process.</p> <p><u>Our definition:</u> Tell how something happened (i.e. “first this, then that, then the next thing”). In experiments, identify the minimum and maximum values of data in experimental results and recount the overall trends between variables.</p>
<b>Discuss</b>	<p><u>MYP definition:</u> Offer a considered and balanced review that includes a range of arguments, factors or hypotheses. Opinions or conclusions should be presented clearly and supported by appropriate evidence.</p> <p><u>Our definition:</u> Look at both sides of an argument or an issue, weighing the strengths and limitations of each side. Conclusions should be based on scientific evidence.</p>
<b>Document</b>	<p><u>MYP definition:</u> Credit sources of information used by referencing or citing, following the MLA system. References should be included in the text and also at the end of the piece of work in a bibliography.</p> <p><u>Our definition:</u> Use in-text references and a bibliography to show where you found the ideas and information in a piece of work.</p>
<b>Economical</b>	<p><u>MYP definition:</u> Production, distribution, and use of income, wealth, and commodities</p> <p><u>Our definition:</u> Anything having to do with money, either personally or as a society</p>
<b>Environmental</b>	<p><u>MYP definition:</u> Circumstances, objects, or conditions by which one is surrounded</p> <p><u>Our definition:</u> Our surroundings, particularly the natural (not built) world</p>
<b>Ethical</b>	<p><u>MYP definition:</u> Process of rational inquiry to decide on issues as right or wrong, as applied to the people and their actions</p> <p><u>Our definition:</u> Determining whether or not an action is right or wrong</p>
<b>Moral</b>	<p><u>MYP definition:</u> Principles of right or wrong behaviour derived from a particular society</p> <p><u>Our definition:</u> Relating ethical decisions to culture</p>
<b>Outline</b>	<p><u>MYP definition:</u> Give a brief account.</p> <p><u>Our definition:</u> Briefly describe the major points or concepts.</p>
<b>Political</b>	<p><u>MYP definition:</u> Relates to government or public affairs</p> <p><u>Our definition:</u> How different groups or countries have power under the law</p>
<b>Social</b>	<p><u>MYP definition:</u> Interactions between groups of people involving issues such as welfare, safety, rights, justice or class</p> <p><u>Our definition:</u> The ways in which people interact with one another</p>
<b>State</b>	<p><u>MYP definition:</u> Give a specific name, value or other brief answer without explanation or calculation.</p>

	<p><u>Our definition:</u> Give a one- or two-word answer. Nothing else is needed.</p>
<b>Summarize</b>	<p><u>MYP definition:</u> Abstract a general theme or major points.</p> <p><u>Our definition:</u> Distill a lot of information down to the key essential points.</p>