Science Criterion D: Reflecting on the impacts of science

In order to reach the aims of sciences, 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 analyse 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	Task Specific Clarifier (i)	Task Specific Clarifier (ii)	Task Specific Clarifier (iii)	Task Specific Clarifier (iv)
7-8	i. describe the ways in which science is applied and used to address a specific problem or issue ii. discuss and analyse 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.	You **describe** the ways in which a scientific solution can be used to address a specific problem or issue	You **discuss** and **analyse** the implications (postitives and negatives) of using the scientific solution and its application to solve a specific problem or issue focusing on **ONE** factor (e.g environmental, economic, ethical, moral, political, or social factor)	You **consistently** apply scientific language to communicate understanding clearly and precisely (10-12 items from the checklist)	You **entirely** complete a Works Cited in MLA format and appreciate in-text citations (8-10 items from the checklist)
5-6	i. summarize the ways in which science is used to address a specific problem or issue ii. describe the implications of using science to solve a specific problem or issue, interacting with a factor iii. usually apply scientific language to communicate understanding clearly and precisely iv. usually document sources correctly.	You **summarize** the ways in which a scientific solution can be used to address a specific problem or issue	You **describe** the implications (postitives and negatives) of using the scientific solution and its application to solve a specific problem or issue focusing on **ONE** factor (e.g environmental, economic, ethical, moral, political, or social factor)	You **mostly** apply scientific language to communicate understanding clearly and precisely (7-9 items from the checklist)	You **mostly** complete a Works Cited in MLA format and appreciate in-text citations (6-7 items from the checklist)
3-4	i. outline the ways in which science is used to address a specific problem or issue ii. outline the implications of using science to solve a specific problem or issue, interacting with a factor iii. sometimes apply scientific language to communicate understanding iv. sometimes document sources correctly.	You **outline** the ways in which a scientific solution can be used to address a specific problem or issue	You **outline** the implications (postitives and negatives) of using the scientific solution and its application to solve a specific problem or issue focusing on **ONE** factor (e.g environmental, economic, ethical, moral, political, or social factor)	You **sometimes** apply scientific language to communicate understanding clearly and precisely (4-6 items from the checklist)	You **sometimes** complete a Works Cited in MLA format and appreciate in-text citations (4-5 items from the checklist)
1-2	i. state the ways in which science is used to address a specific problem or issue ii. state the implications of using science to solve a specific problem or issue, interacting with a factor i. apply scientific language to communicate understanding with limited success iv. document sources with limited success	You **state** the ways in which a scientific solution can be used to address a specific problem or issue	You **state** the implications (positive and negative) of using the scientific solution and its application to solve a specific problem or issue focusing on **ONE** factor (e.g environmental, economic, ethical, moral, political, or social factor)	You **try to use** apply scientific language to communicate understanding clearly and precisely (1-3 items from the checklist)	You **try to** complete a Works Cited in MLA format (1-3 items from the checklist)
0	The student does not reach a standard identified by an of the descriptors above	You have not reached standard described above	You have not reached standard described above	You have not reached standard described above	You have not reached standard described above

Report Format Checklist:

- *Vocabulary related to waves, tides, weathering, and erosion is consistently used*
- *Vocabulary related to waves, tides, weathering, and erosion is used correctly*
- *Word choice/language use is professional and specific*
- *Includes four (clear, high resolution) images that help communicate the information*
- *Text is in a clear font style(s) and size(s); document is A3 size*
- *Colour is used effectively to communicate differences or similarities between items*
- *Arrows are used logically and clearly to connect information*
- *Horizontal and vertical placement of text and images is logical and aids understanding*
- *Information is spaced effectively on the page to make use of the full A3 page size*
- *Overall quality is high and demonstrates planning was involved in creation (straight lines, overall neatness, consistency of style choices, centering of text, etc.)*

MLA Format Checklist:

- *"Works C ited" title is spelled correctly andcentered on the page*
- *Sources are listed in alphabetical order*
- *Second, third, etc. lines of a source are indented from the left margin (hanging indents)*
- *Website URLs are not underlined*
- *Website access date is included*
- *Dates of publication and access are formatted as this example: 26 Nov. 2018*
- *At least three English sources have been used for research*
- *Unreliable sources like Baidu and Wikipedia are not used*
- *Text has been paraphrased sufficiently and/or direct quotations are inside quotation marks*
- *In-text citations are included for all sources in the research organizer*
- *Images used in the document have been cited*