**GRADE 9 -10 MYP SCIENCE CRITERIA**

|  |  |  |  |
| --- | --- | --- | --- |
| Level | AOne World | BCommunication | CKnowledge and Understanding |
| 1-2 | You describe how science is applied to a local or global issue. You state some of the benefits or limitations of science in addressing the issue. | You try to communicate scientific information using some scientific language.You make mistakes in the format of your information.You acknowledged sources of information, but with mistakes. |  You recall some information and apply this to simple problems. |
| 3-4 | You describe how science is applied to addressing specific local or global issue. You describe some benefits or limitations of science in addressing the issue. You describe how science and its applications interact with at least one of the following factors: social, economic, political, environmental, cultural or ethical. |  You communicate scientific information using scientific language. Most of your information is presented in an appropriate way.You acknowledge your sources of information, but with mistakes.You have used in-text referencing. | You can explain scientific ideas and concepts and apply scientific understanding to familiar problems.You can analyse information.You show understanding in your explanations. |
| 5-6 | You explain how science is applied to addressing a specific local or global issue. You describe and explain some of the benefits and limitations of science in solving the issue. You describe and explain how science and its applications interact with some of the following factors: social, economic, political, environmental, cultural and ethical |  You communicate scientific information correctly and accurately.You present all the information in an appropriate way.You use a variety of sources and you reference these accurately.You use in-text referencing. | You can explain scientific ideas and concepts.You can apply your knowledge to unfamiliar questions.You can analyse and evaluate information.You can make judgments, supported by scientific reasoning about results and ideas. |

**GRADE 9-10 MYP SCIENCE CRITERIA**

|  |  |  |  |
| --- | --- | --- | --- |
| Level | DScientific Enquiry | EProcessing Data | FAttitudes In Science |
| 1-2 |  You try to write an research question but it is incompleteYou write a hypothesis but do not explain it scientificallyYour method is incompleteYou have missed out the evaluation or it very simple |  You collect and record data accuratelyYou transform data, but there are some mistakes.You have no conclusion or it is inconsistent with your data |  You should be able to carry out most scientific investigations using materials and equipment safely and sensibly with help.Work effectively as a team member.Show respect for others and show responsibility towards the environment. |
| 3-4 |  You define the purpose of the investigationYou write a hypothesis, but it is not fully developedYou list some of the variables, but do not explain well, how they are controlledYour apparatus list and method are completeYour evaluation is simple |  You collect and record dataaccuratelyYou transform your data accuratelyYou draw a simple conclusion which accurately reflects your data | You should be able to carry out most scientific investigations using materials and equipment safely and sensibly.Usually work effectively as a team member, supporting and acknowledging others.Usually show respect for others and show responsibility towards the environment. |
| 5-6 | You can write a research problem.You can write a testable hypothesis, with a scientific explanation.You can identify the variables and describe how to manipulate them.You can evaluate your experiment and comment on its reliability and validity.You suggest meaningful improvements. You suggest how the investigation can be extended. |  You collect and record data using appropriate forms of measurement.You can independently organize and transform your data appropriately.You can present data in a variety of waysYou can analyse and interpret data.You draw conclusions that are supported by scientific explanations and reasoned interpretation of your data.  | You should be able to carry out scientific investigations using materials and equipment safely and sensibly.Work effectively as a team member, collaborating, supporting and acknowledging others.Show respect for others and show responsibility towards the environment. |