

Science Flight Path

Assessment Criteria	0.5	1.5	2.5	3.5	4.5	5.5	6.5	7.5	8.5	9.5
<b>Subject Knowledge</b>	Never remembers <b>basic</b> scientific facts without prompting	Rarely remembers <b>basic</b> scientific facts without prompting	Can remember some <b>basic</b> scientific facts	Can remember a range of <b>basic</b> scientific facts from some areas of science	Can remember a range of scientific facts from <b>some</b> areas of science	Can remember a range of scientific facts from <b>many</b> areas of science	Can remember a <b>wide</b> range of scientific facts from <b>most</b> areas of science	Can remember <b>detailed</b> and key facts from some areas of science	Can remember <b>detailed</b> and key facts from <b>most</b> areas of science	Can remember <b>detailed</b> and key facts from <b>any</b> area of science
<b>Application of Knowledge</b>	Never applies <b>basic</b> scientific knowledge without prompting  Never uses theories to make simple explanations of events without prompting  Never uses <b>simple</b> data to support evidence without prompting	Rarely applies <b>basic</b> scientific knowledge accurately in a limited range of contexts  Rarely uses theories to make simple explanations of events without prompting  Rarely uses <b>simple</b> data to support evidence without prompting	Occasionally applies <b>basic</b> scientific knowledge accurately in a limited range of contexts  Occasionally use theories to make simple explanations of events  Occasionally uses <b>simple</b> data to support evidence	Usually applies <b>basic</b> scientific knowledge accurately in a range of contexts  Usually applies theories to make <b>simple</b> explanations of events  Usually uses <b>simple</b> data to support evidence	Can apply a range of scientific facts from <b>some</b> areas of science  Can apply theories to make explanations of events  Can use data to support evidence	Usually applies a range of scientific facts in limited contexts  Usually applies theories to make explanations of events  Usually uses data to support evidence	Usually applies a <b>wide</b> range of scientific facts in different contexts Can sometimes use theories to give <b>detailed</b> explanations of events Can <b>sometimes</b> make effective use of data to support evidence	Can use a wide range of <b>detailed</b> scientific facts in a range of different contexts Can use scientific theories to give <b>detailed</b> explanations of events Can make effective use of data to support evidence	Mostly applies <b>detailed</b> scientific knowledge effectively in a wide range of contexts Mostly uses scientific theories to give <b>detailed</b> explanations of events Mostly makes effective use of data to support evidence	Always applies <b>detailed</b> knowledge effectively in a wide range of contexts Always uses scientific theories to give <b>detailed</b> explanations of events Always makes effective use of data to support evidence
<b>Analysis and Evaluation</b>	Never evaluates <b>basic</b> scientific information without prompting	Rarely evaluates <b>basic</b> scientific information without prompting	Occasionally evaluates <b>basic</b> scientific information to develop simple arguments and explanations Occasionally draws <b>simple</b> conclusions	Usually evaluates <b>basic</b> scientific information to develop arguments and explanations Usually draws <b>simple</b> conclusions from	Can evaluate scientific information to develop arguments and explanations  Can draw conclusions from the	Usually evaluates scientific information to develop arguments and explanations  Usually draws evidence based	Can usually evaluate information <b>systematically</b> to develop arguments and explanations Can sometimes draw <b>detailed</b> evidence based	Can evaluate <b>complex</b> information from a wide range of sources <b>systematically</b> to develop arguments and explanations	Mostly evaluates <b>complex</b> information from a wide range of sources <b>systematically</b> to develop arguments and	Always evaluates <b>complex</b> information from a wide range of sources <b>systematically</b> to develop arguments and

			consistent with the available evidence	the available evidence	available evidence	conclusions	conclusions	Can draw <b>detailed</b> , evidence based conclusions	explanations <b>Mostly</b> draws <b>detailed</b> , evidence based conclusions	explanations <b>Always</b> draws <b>detailed</b> , evidence based conclusions
Scientific Literacy	Never uses <b>simple</b> key scientific words without prompting	Rarely uses <b>simple</b> key scientific words without prompting	Uses a few <b>simple</b> key scientific words that are occasionally spelt correctly	Uses <b>simple</b> key scientific words that are usually spelt correctly	Can use scientific words appropriately	Usually uses scientific words appropriately	Can usually use appropriate scientific <b>terminology</b> in answers with some errors	Can use appropriate <b>complex terminology</b> in answers with some errors	Mostly uses appropriate <b>complex terminology</b> in answers with few errors	Always uses the appropriate <b>complex terminology</b> in answers with no errors
Scientific Numeracy	Never uses <b>basic</b> mathematical skills to perform simple scientific calculations without prompting	Rarely uses <b>basic</b> mathematical skills to perform simple scientific calculations without prompting	Can use <b>basic</b> mathematical skills to perform simple scientific calculations	Usually uses <b>basic</b> mathematical skills to perform simple scientific calculations	Can use a range of mathematical skills to perform scientific calculations	Usually uses a range of mathematical skills to perform scientific calculations	Can use a range of <b>high</b> level mathematical skills to perform scientific calculations	Can use a range of <b>high</b> level mathematical skills to perform <b>complex</b> scientific calculations with some errors	Can use a range of <b>high</b> level mathematical skills to perform <b>complex</b> scientific calculations with few errors	Consistently uses a range of <b>high</b> level mathematical skills to perform <b>complex</b> scientific calculations without error