

Science Scheme of Assessment 2018

Grade	Subject Knowledge	Application of Knowledge	Analysis and Evaluation	Scientific Literacy	Scientific Numeracy
9.5	Can remember detailed and key facts from any area of science	Always applies detailed knowledge effectively in a wide range of contexts Always uses scientific theories to give detailed explanations of events Always makes effective use of data to support evidence	Always evaluates complex information from a wide range of sources systematically to develop arguments and explanations Always draws detailed , evidence based conclusions	Always uses the appropriate complex scientific terminology in answers with no errors	Consistently uses a range of high level mathematical skills to perform complex scientific calculations without error
8.5	Can remember detailed and key facts from most areas of science	Mostly applies detailed scientific knowledge effectively in a wide range of contexts Mostly uses scientific theories to give detailed explanations of events Mostly makes effective use of data to support evidence	Mostly evaluates complex information from a wide range of sources systematically to develop arguments and explanations Mostly draws detailed , evidence based conclusions	Mostly uses appropriate complex scientific terminology in answers with few errors	Can use a range of high level mathematical skills to perform complex scientific calculations with few errors
7.5	Can remember detailed and key facts from some areas of science	Can use a wide range of detailed scientific facts in a range of different contexts Can use scientific theories to give detailed explanations of events Can make effective use of data to support evidence	Can evaluate complex information from a wide range of sources systematically to develop arguments and explanations Can draw detailed , evidence based conclusions	Can use appropriate complex scientific terminology in answers with some errors	Can use a range of high level mathematical skills to perform complex scientific calculations with some errors
6.5	Can remember a wide range of scientific facts from most areas of science	Usually applies a wide range of scientific facts in different contexts Can sometimes use theories to give detailed explanations of events Can sometimes make effective use of data to support evidence	Can usually evaluate information systematically to develop arguments and explanations Can sometimes draw detailed evidence based conclusions	Can usually use appropriate scientific terminology in answers with some errors	Can use a range of high level mathematical skills to perform scientific calculations
5.5	Can remember a range of scientific facts from many areas of science	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 evaluates scientific information to develop arguments and explanations Usually draws evidence based conclusions	Usually uses scientific words appropriately	Usually uses a range of mathematical skills to perform scientific calculations
4.5	Can remember a range of scientific facts from some areas of science	Can apply a range of scientific facts from some areas of science Can apply theories to make explanations of events Can use data to support evidence	Can evaluate scientific information to develop arguments and explanations Can draw conclusions from the available evidence	Can use scientific words appropriately	Can use a range of mathematical skills to perform scientific calculations
3.5	Can remember a range of basic scientific facts from some areas of science	Usually applies basic scientific knowledge accurately in a range of contexts Usually applies theories to make simple explanations of events Usually uses simple data to support evidence	Usually evaluates basic scientific information to develop arguments and explanations Usually draws simple conclusions from the available evidence	Uses simple key scientific words that are usually spelt correctly	Usually uses basic mathematical skills to perform simple scientific calculations
2.5	Can remember some basic scientific facts	Occasionally applies basic scientific knowledge accurately in a limited range of contexts Occasionally use theories to make simple explanations of events Occasionally uses simple data to support evidence	Occasionally evaluates basic scientific information to develop simple arguments and explanations Occasionally draws simple conclusions consistent with the available evidence	Uses a few simple key scientific words that are occasionally spelt correctly	Can use basic mathematical skills to perform simple scientific calculations
1.5	Rarely remembers basic scientific facts without prompting	Rarely applies basic scientific knowledge accurately in a limited range of contexts Rarely uses theories to make simple explanations of events without prompting Rarely uses simple data to support evidence without prompting	Rarely evaluates basic scientific information without prompting	Rarely uses simple key scientific words without prompting	Rarely uses basic mathematical skills to perform simple scientific calculations without prompting
0.5	Never remembers basic scientific facts without prompting	Never applies basic scientific knowledge without prompting Never uses theories to make simple explanations of events without prompting Never uses simple data to support evidence without prompting	Never evaluates basic scientific information without prompting	Never uses simple key scientific words without prompting	Never uses basic mathematical skills to perform simple scientific calculations without prompting

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