

Year 8 Science					
	Embarking	Emerging	Developing	Securing	Mastering
Knowledge and understanding	<ul style="list-style-type: none"> Answers show some knowledge of basic information and simple understanding. Answers are poorly organised, with almost no specialist terms and their use, demonstrating a general lack of understanding of their meaning. Some specialist terms are identified. 	<ul style="list-style-type: none"> Answers show knowledge of basic information and understanding. The answer has some structure and organisation, use of specialist terms has been attempted but not always accurately. Some specialist terms are used in order to describe processes in science. 	<ul style="list-style-type: none"> Answers show a good knowledge and clear understanding. The answer has some structure and organisation, use of specialist terms has been attempted but not always accurately and some detail is given. Some specialist terms are used in order to describe and explain processes in science. 	<ul style="list-style-type: none"> Answers show a high level of knowledge and clear understanding. There is detailed understanding, supported by relevant evidence and examples. Scientific ideas, models and theories from different topics are linked when applying knowledge to familiar situations. Scientific ideas, models and theories are used when applying knowledge to familiar situations. 	<ul style="list-style-type: none"> Answers show a high level of knowledge, which is appropriately contextualised. There is highly detailed understanding, supported by relevant evidence and examples. Scientific ideas, models and theories from different topics are linked when applying knowledge to unfamiliar situations. Answers are coherent and in an organised, logical sequence, containing a range of appropriate or relevant specialist terms, usually used accurately.
Working scientifically	<ul style="list-style-type: none"> Can follow simple instructions in an investigation with some support. Can identify some risks in an experiment with support. Able to identify some variables in an investigation with some support. Can record data in a table given to them. Is sometimes able to identify some patterns in data presented in a simple format with support. Is able to draw some simple conclusions from data collected with support. Is able to suggest basic improvements to the method with support. 	<ul style="list-style-type: none"> Can follow simple instructions in an investigation. Can identify some risks in an experiment with limited support. Able to identify some variables in an investigation Can record data in a table with support. Is able to identify some patterns in data presented in a simple format. Is able to draw some conclusions from data collected with some support. Can describe some ways of modifying the method to improve reliability and validity of the investigation with support. 	<ul style="list-style-type: none"> Can plan a simple experiment. Can identify some risks in an experiment. Able to identify most of the variables in an investigation. Can record data in appropriate formats with some support. Is able to identify some patterns in data presented in various formats, including line graphs. Is able to draw conclusions from data collected. Can describe some ways of modifying the method to improve reliability and validity of the investigation. 	<ul style="list-style-type: none"> Can plan a simple experiment to investigate a hypothesis. Can identify risks in an experiment. Able to identify all of the variables in an investigation. Can record data in appropriate formats. Is able to identify patterns in data presented in various formats, including line graphs. Can explain conclusions using scientific understanding and knowledge. Can describe ways of modifying the method to improve reliability and validity of the investigation. 	<ul style="list-style-type: none"> Can plan an experiment to investigate a hypothesis in order to obtain valid results. Can identify and explain risks in an experiment. Able to identify the variables in an investigation and begin to justify the control variables. Can record data clearly and accurately in appropriate formats. Is able to identify patterns in data presented in various formats, including line graphs and able to spot anomalies. Can explain conclusions using scientific understanding and knowledge. Can explain ways of modifying the method to improve reliability and validity of the investigation.