

Science

The areas of development are:	Solution
<u>BIOLOGY</u>	
<ul style="list-style-type: none"> • Biology : How to demonstrate a knowledge of reproduction in a variety of species 	<ul style="list-style-type: none"> • BBC Bitesize: Reproduction • BBC Bitesize: Human reproduction • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Biology : How to describe the structures of a cell and explain their functions 	<ul style="list-style-type: none"> • Watch the video link: GCSE Science Revision - Cells • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Biology : How to name specialised cells and explain their role 	<ul style="list-style-type: none"> • Watch the video link: Specialised Cells BBC19LS02 • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Biology : Describing the role of the digestive system and relating this to enzymes 	<ul style="list-style-type: none"> • BBC Bitesize: Enzymes and digestion • Watch the video link: GCSE Biology (9-1) The Digestive System • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Biology : Describing how infection occurs and how the human body responds 	<ul style="list-style-type: none"> • BBC Bitesize: Defending against infection, page 1 • BBC Bitesize: Staying healthy • Use revision guides to support your understanding of these topics

	<ul style="list-style-type: none"> Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Biology : Being able to explain how diseases can be transmitted and prevented 	<ul style="list-style-type: none"> BBC Bitesize: Defending against infection, page 4 BBC Bitesize: Infectious disease, page 2 Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Biology : Have knowledge of what happens in the menstrual cycle 	<ul style="list-style-type: none">
<u>CHEMISTRY</u>	
<ul style="list-style-type: none"> Chemistry : Identifying reactants and products in a displacement reaction 	<ul style="list-style-type: none"> Watch the video link: Creating copper - a displacement reaction demonstration Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Chemistry : Knowing different separation techniques and how they can be used 	<ul style="list-style-type: none"> BBC Bitesize: Compounds and mixtures Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Chemistry : Understanding the periodic table and how to use it 	<ul style="list-style-type: none"> Watch the video link: GCSE BBC Science Bitesize - The Periodic Table Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Chemistry : Knowledge of how the properties of metals make them fit their purpose 	<ul style="list-style-type: none"> Watch the video link: GCSE BBC Bitesize - Properties of Materials Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Chemistry: Identifying elements and compounds involved in a chemical reaction 	<ul style="list-style-type: none"> BBC Bitesize: Atoms, elements and compounds Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Chemistry: Analysing data on melting and boiling points to identify the state of a substance 	<ul style="list-style-type: none"> Printable Worksheets: Melting and Boiling Point Use revision guides to support your understanding of these topics

	<ul style="list-style-type: none"> • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<u>PHYSICS</u>	
<ul style="list-style-type: none"> • Physics : How magnets and electromagnets work and the materials that permanent magnets can be made from 	<ul style="list-style-type: none"> • BBC Bitesize: Electromagnetism and magnetism • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Physics: How to draw circuit symbols and how to analyse and draw series and parallel circuits 	<ul style="list-style-type: none"> • BBC Bitesize: Electric current and potential difference • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Physics: How magnets and coils of wire can be used to generate electricity 	<ul style="list-style-type: none"> • BBC Bitesize: How to generate electricity • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Physics: How energy may be carried by waves and that we can sense or detect the energy that they carry 	<ul style="list-style-type: none"> • BBC Bitesize: Waves • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Physics: How there are two different types of wave known as longitudinal and transverse and the way in which they carry their energy 	<ul style="list-style-type: none"> • BBC Bitesize: Waves • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> • Physics: How different types of wave travel at different speeds and that this speed can change when the same waves are travelling in different substances 	<ul style="list-style-type: none"> • BBC Bitesize: Waves • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<u>SKILLS</u>	
<ul style="list-style-type: none"> • Skills : Identifying variables in experimental investigations 	<ul style="list-style-type: none"> • BBC Bitesize: Practical skills • Use revision guides to support your understanding of these topics • Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests

<ul style="list-style-type: none"> Skills : Identifying continuous and categoric data 	<ul style="list-style-type: none"> BBC Bitesize: Representing data Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Skills : Drawing graphs and plotting data accurately 	<ul style="list-style-type: none"> BBC Bitesize: Scatter diagrams Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Skills : Using the wave equation and recalling units 	<ul style="list-style-type: none"> BBC Bitesize: General properties of waves Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Skills : Writing a scientific method from a practical investigation 	<ul style="list-style-type: none"> BBC Bitesize: Practical skills Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Skills : Carrying out microbiology experiments using aseptic techniques 	<ul style="list-style-type: none"> BBC Bitesize: Defending against infection Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Skills : Identify equipment needed to carry out an investigation 	<ul style="list-style-type: none"> Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Skills : Write a scientific conclusion 	<ul style="list-style-type: none"> Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Skills : Suggest improvements to an investigation 	<ul style="list-style-type: none"> Use revision guides to support your understanding of these topics Complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests
<ul style="list-style-type: none"> Beginning to communicate subject-specific ideas in written tasks 	<ul style="list-style-type: none"> Science Worksheet: Energy Stores and Transfers
<ul style="list-style-type: none"> Beginning to write in full sentences 	<ul style="list-style-type: none"> Science Worksheet: Energy Stores and Transfers
<ul style="list-style-type: none"> Beginning to use a range of subject-specific vocabulary in written tasks 	<ul style="list-style-type: none"> Science Worksheet: Energy Stores and Transfers

<ul style="list-style-type: none">• Understanding simple subject-specific written information in English	<ul style="list-style-type: none">• Science Worksheet: Energy Stores and Transfers
<ul style="list-style-type: none">• Recognising the purpose of a subject-specific piece of writing	<ul style="list-style-type: none">• Science Worksheet: Energy Stores and Transfers
<ul style="list-style-type: none">• Identifying subject-specific key words in a text	<ul style="list-style-type: none">• Science Worksheet: Energy Stores and Transfers

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