

Science

Welcome to the Science Solutions.
Please follow the links in the Solutions section below to access the resources.

| The areas of development are: | Solutions |
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| <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 complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests |

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| <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 |
| <p><u>CHEMISTRY</u></p> | |
| <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 complete practice questions which link to the topics covered in lessons and that will support ability in the progress tests |

| PHYSICS | |
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| <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 |
| SKILLS | |
| <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 |

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| <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 |

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