

Subject: Science

| Year | Content of the Curriculum | Additional Resources to aid Learning e.g. web links, guided reading |
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| 7 | KS3 Science Scientific skills Biology: Living Systems Biology: Diet and Health Chemistry: Periodic table Chemistry: States of matter Physics: Forces & Motion Physics: Space Physics: Pressure and Moments | BBC Bitesize: https://www.bbc.co.uk/bitesize/subjects/zng4d2p BBC Learning Zone: http://www.bbc.co.uk/programmes/p01bb4hx |
| 8 | KS3 Science Biology: Ecosystems Biology: Photosynthesis, Respiration and Circulation Biology: Reproduction and Growth Chemistry: Metals and non-metals Chemistry: Chemical reactions Chemistry: Atmosphere Physics: Energy Physics: Waves | BBC Bitesize: https://www.bbc.co.uk/bitesize/subjects/zng4d2p BBC Learning Zone: http://www.bbc.co.uk/programmes/p01bb4hx |
| 9 | KS3 Science Biology: Genetics and Evolution Chemistry: Energy in Reactions Physics: Electricity & Magnetism GCSE Science Biology: Key concepts in biology Biology: Cells and control Biology: Genetics Chemistry: Key concepts in chemistry Chemistry: States of matter and mixtures Physics: Key concepts in physics Physics: Motion and forces Physics: Conservation of energy | KS3 Science BBC Bitesize: https://www.bbc.co.uk/bitesize/subjects/zng4d2p BBC Learning Zone: http://www.bbc.co.uk/programmes/p01bb4hx GCSE Science BBC Bitesize: https://www.bbc.co.uk/bitesize/examspecs/zqkww6f BBC Learning Zone: http://www.bbc.co.uk/programmes/p01bb4n7 |
| 10 | GCSE Science Biology: Key concepts in biology Biology: Natural selection and genetic modification Biology: Health disease and the development of medicine Biology: Plant structures and their functions Chemistry: Key concepts in chemistry | Exam Board Specification & Specimen Papers: https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html BBC Bitesize: https://www.bbc.co.uk/bitesize/examspecs/zqkww6f BBC Learning Zone: http://www.bbc.co.uk/programmes/p01bb4n7 |

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| | <p>Chemistry: Chemical changes Chemistry: Extracting metals and equilibria Physics: Key concepts in physics Physics: Waves Physics: Light and the electromagnetic spectrum Physics: Radioactivity Physics: Energy – Forces doing work Physics: Forces and their effects Physics: Particle model Physics: Forces and matter</p> | <p>Mr Barnes Teaches Chemistry: http://www.mrbarnestc.com/</p> |
| <p>11</p> | <p>GCSE Science Biology: Key concepts in biology Biology: Animal coordination, control and homeostasis Biology: Exchange and transport in animals Biology: Ecosystems and material cycles Chemistry: Key concepts in chemistry Chemistry: Groups in the periodic table Chemistry: Rates of reaction and energy changes Chemistry: Fuels and Earth science Physics: Key concepts in physics Physics: Electricity and circuits Physics: Magnetism and the motor effect Physics: Electromagnetic induction</p> | <p>Exam Board Specification & Specimen Papers: https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html</p> <p>BBC Bitesize: https://www.bbc.co.uk/bitesize/examspecs/zqkww6f</p> <p>BBC Learning Zone: http://www.bbc.co.uk/programmes/p01bb4n7</p> <p>Mr Barnes Teaches Chemistry: http://www.mrbarnestc.com/</p> |