



TOPICS	YEAR CURRICULUM	HOW YOU CAN SUPPORT LEARNING AT HOME, EG. BOOKS, WEBSITES, FAMILY LEARNING THROUGH VISITS.
Unit 7a Tissues and transplants	This unit takes a look at organ transplants; what they are, their history and why they are needed. Within this context, the concepts of cells, tissues, organs and organ systems are explored, together with the use of the light microscope. Cell structure will be looked at in detail as well as the hierarchical organisation of organisms.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with you learning. http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx</p>
Unit 7b Sex and science	This unit explores the uses of natural and modern reproductive strategies, in terms of saving endangered animals and human procreation.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with you learning. http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx</p>
Unit 7c Ecology matters	This unit explores the uses of natural and modern reproductive strategies, in terms of saving endangered animals and human procreation.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with you learning. http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below</p>



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Unit 7d Classified!	This unit looks at how variation occurs within a species. This is extended to cover variation in terms of its genetic and environmental causes.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning. http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx</p>
Unit 7e Acids and alkalis	This unit introduces ideas about acids, alkalis and indicators in the context of acid manufacture. There is also an introduction to ideas about risk assessment and hazard classification.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning. http://www.bbc.co.uk/bitesize/ks3/science/chemical_material_behaviour/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx</p>
Unit 7f Bubbles, bangs and burning.	The main theme is fireworks and fireworks including associated issues of fire safety, pyrotechnics and explosions. There is development of some of the ideas on safety introduced in Unit 7E. The unit introduces the idea of chemical changes and includes work on key criteria for deciding whether a change has	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning. http://www.bbc.co.uk/bitesize/ks3/science/chemical_material_behaviour/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below</p>



	taken place. There is also an introduction to the reactions of acids with metals and limestone, and the tests for common gases.	https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx
Unit 7g What a waste!	This unit looks at how different sorts of waste are disposed of in the UK and some of the problems this causes. Within this context the different properties of solids, liquids and gases and the implications of their handling and storage are considered, together with an introduction to the particle theory of matter.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning.</p> <p>http://www.bbc.co.uk/bitesize/ks3/science/chemical_material_behaviour/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below</p> <p>https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx</p>
Unit 7h Materials from the Earth.	The unit briefly introduces the ways that all rock types are formed, but concentrates mainly on the various processes involved in the formation of sedimentary rocks – weathering, erosion, transport, deposition, compaction and cementation. The context for the unit is using materials from the Earth, and the need to study rocks to locate useful materials.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning.</p> <p>http://www.bbc.co.uk/bitesize/ks3/science/environment_earth_universe/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below</p> <p>https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx</p>
Unit 7i Energy and sustainable living.	This unit uses sustainable living to introduce the idea that stores of energy are needed to make most things happen, and that burning fossil fuels to transfer energy is contributing to global warming. It goes on to look at ways of reducing our use of fossil fuels, and at alternative energy resources. It includes food as an energy store.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning.</p> <p>http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below</p>



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Unit 7j Electrical circuits.	This unit uses the context of household electrical wiring to cover the measurement of current in series and parallel circuits. It also looks at some of the uses and dangers of electricity, and at the idea of using models to help us to think about things.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning.</p> <p>http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below</p> <p>https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx</p>
Unit 7k Forces and their effects.	This unit revises the concepts of forces and their effects and extends pupils' knowledge of friction, gravity and speed. These ideas are presented using a theme of outdoor sports, such as climbing and kayaking, to link to ideas about forces, friction and floating.	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning.</p> <p>http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below</p> <p>https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx</p>
Unit 7l The Solar System and beyond.	This unit uses the theme of amateur astronomy, showing that there are many observations that can be made without the need for a full-scale observatory. It revises ideas about the Sun, Moon and Earth that pupils met in KS2 by looking at how observations of the Sun, Moon and stars can be explained. The unit goes on to	<p>The following pages of the BBC Bitesize website provide specific revision activities, quick tests and extended questions to help you with your learning.</p> <p>http://www.bbc.co.uk/bitesize/ks3/science/environment_earth_universe/</p> <p>Various commercial revision guides are available from bookstores. Some example and website links are below</p>



	look at why we have seasons, and then to the wider picture of the Solar System, stars, galaxies and space exploration.	https://www.cgpbooks.co.uk/Student/books_ks3_science http://lettsrevision.com/parents/key-stage-three/ http://www.collinseducation.com/Secondary/Science/Pages/Default.aspx
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