

# Science Department

## Absence Learning Overview



The Queen Elizabeth  
Academy

<b>Year 9</b>			
<b>Week Beginning</b>	<b>Topic</b>	<b>Seneca Links</b>	<b>Additional Resources</b>
<b>31/08/20</b>	Cells	Biology 1.1.1 - Types of cells Biology 1.1.3 - Animal and Plant cells Bio 1.1.4 Bacterial Cells Bio 1.1.5 - 1.17 Specialised cells	<a href="https://www.bbc.co.uk/bitesize/topics/znycdm/articles/zr69dxs">https://www.bbc.co.uk/bitesize/topics/znycdm/articles/zr69dxs</a> BBC Bitesize - What are cells?  <a href="https://www.bbc.co.uk/bitesize/topics/z2mttv4">https://www.bbc.co.uk/bitesize/topics/z2mttv4</a> BBC Bitesize - Cell Biology
<b>07/09/20</b>		Bio 1.1.8 - 1.1.9 Microscopy Bio 1.1.2 Standard form	<a href="https://www.bbc.co.uk/bitesize/guides/z3vypbk/revision/1">https://www.bbc.co.uk/bitesize/guides/z3vypbk/revision/1</a> BBC Bitesize - Microscopy  <a href="https://www.youtube.com/watch?v=jBVxo5T-ZQM">https://www.youtube.com/watch?v=jBVxo5T-ZQM</a> <a href="https://www.youtube.com/watch?v=VBdVARYWq1c">https://www.youtube.com/watch?v=VBdVARYWq1c</a> FreeScienceLessons - Practical Video
<b>14/09/20</b>	KS3 Genetics (KS3 Recap)	Biology 6.2.1 Variation Bio 6.2.2 Selective Breeding Bio 6.2.6 Natural Selection, Evolution and Extinction	<a href="https://www.bbc.co.uk/bitesize/guides/z2fqcj6/revision/5">https://www.bbc.co.uk/bitesize/guides/z2fqcj6/revision/5</a>  BBC Bitesize - Evidence for Evolution  <a href="https://www.bbc.co.uk/bitesize/guides/z9gk87h/revision/1">https://www.bbc.co.uk/bitesize/guides/z9gk87h/revision/1</a>  BBC Bitesize KS3 - What is variation?
<b>21/09/20</b>	Atomic Structure	Chemistry 1.1.1 Elements and Compounds Chem 1.1.4 Model of the atom Chem 1.1.5 Atom Size and Number Chem 1.1.6 Periodic table Chem 1.1.7 Isotopes	<a href="https://www.youtube.com/watch?v=dfq9xGXcf8">https://www.youtube.com/watch?v=dfq9xGXcf8</a> <a href="https://www.youtube.com/watch?v=jNmNyy2BX4g">https://www.youtube.com/watch?v=jNmNyy2BX4g</a> FreeScienceLessons - Video  <a href="https://www.bbc.co.uk/bitesize/topics/zxnftv4">https://www.bbc.co.uk/bitesize/topics/zxnftv4</a> BBC Bitesize - Atomic Structure
<b>28/09/20</b>		Chem 1.1.3 Mixtures Chem 8.1.2 Paper Chromatography Chem 8.1.3 RP Chromatography Chem 8.2.1 - 8.2.5 Gas Practicals and Summary	<a href="https://www.youtube.com/watch?v=P8i4QYncQxI">https://www.youtube.com/watch?v=P8i4QYncQxI</a> FreeScienceLessons - Practical Video  <a href="https://www.bbc.co.uk/bitesize/guides/zqc6w6f/revision/4">https://www.bbc.co.uk/bitesize/guides/zqc6w6f/revision/4</a> BBC Bitesize - Chromatography  <a href="https://www.bbc.co.uk/bitesize/guides/z8fgmnb/revision/6">https://www.bbc.co.uk/bitesize/guides/z8fgmnb/revision/6</a> BBC Bitesize - Gas tests
<b>05/10/20</b>	Particle Model	Physics 3.1.4 States of matter Physics 3.1.3 Density Physics 3.1.5 Density RP	<a href="https://www.youtube.com/watch?v=ScXOp8Zph28">https://www.youtube.com/watch?v=ScXOp8Zph28</a> <a href="https://www.youtube.com/watch?v=EZmXVOSa20">https://www.youtube.com/watch?v=EZmXVOSa20</a> FreeScienceLesson - Practical video  <a href="https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/zsgwwxs">https://www.bbc.co.uk/bitesize/topics/zkgg87h/articles/zsgwwxs</a> BBC Bitesize - States of matter
<b>12/10/20</b>		Physics 3.1.3 Atom Structure Physics 3.1.4 History of the atom	<a href="https://www.bbc.co.uk/bitesize/guides/zxkxfcw/revision/1">https://www.bbc.co.uk/bitesize/guides/zxkxfcw/revision/1</a>  BBC Bitesize - History of the model atom
<b>19/10/20</b>	Plant Structure	Biology 2.5.1 Plant tissues Bio 2.5.2 Plant tissues 2 Bio 2.5.3 Stomata Bio 2.5.4 Transpiration 2.5.5 Translocation	<a href="https://www.bbc.co.uk/bitesize/guides/z9kx8mn/revision/1">https://www.bbc.co.uk/bitesize/guides/z9kx8mn/revision/1</a> BBC Bitesize - Plant organisation  <a href="https://www.youtube.com/watch?v=9yTDokLRZs0">https://www.youtube.com/watch?v=9yTDokLRZs0</a> FreeScienceLessons - Transpiration
<b>Half Term</b>			
<b>02/11/20</b>	Revision weeks	Bio Test 1.1.12 Quiz Bio Test 1.1.13 Quiz	See previous topics from weeks

		Chem 1.1.13 Quiz Chem 1.1.14 Phys 3.1.5 Quiz	
<b>09/11/20</b>	Assessment week		
<b>16/11/20</b>	Bonding and Equations	Chemistry 2.1.1 Ionic Bonding	<a href="https://www.bbc.co.uk/bitesize/guides/zjgmn39/revision/2">https://www.bbc.co.uk/bitesize/guides/zjgmn39/revision/2</a> BBC Bitesize - Ionic
<b>23/11/20</b>		Chem 2.1.2 Ionic Compounds Chem 2.1.3 Covalent and Metallic Bonding Chem 2.1.4 Representing Covalent Bonds Chem 1.1.2 Equation Chem 2.1.5 Bonds	<a href="https://www.bbc.co.uk/bitesize/guides/zxxn82p/revision/1">https://www.bbc.co.uk/bitesize/guides/zxxn82p/revision/1</a> BBC Bitesize - Covalent  <a href="https://www.bbc.co.uk/bitesize/guides/zifkw6f/revision/5">https://www.bbc.co.uk/bitesize/guides/zifkw6f/revision/5</a> BBC Bitesize - Metallic  <a href="https://www.bbc.co.uk/bitesize/guides/zifkw6f/revision/1">https://www.bbc.co.uk/bitesize/guides/zifkw6f/revision/1</a> BBC Bitesize - Ionic Compounds
<b>30/11/20</b>	Energy	Physics 1.1.1 Energy Stores Physics 1.1.3 Energy changes Physics 1.1.2 Energy calculation	<a href="https://www.bbc.co.uk/bitesize/topics/zc3g87h">https://www.bbc.co.uk/bitesize/topics/zc3g87h</a> BBC Bitesize - Energy Stores
<b>07/12/20</b>	Energy Resources	Physics 1.3.1 Fossil fuels Physics 1.3.2 Wind Physics 1.3.3 Solar & Nuclear Physics 1.3.4 Sustainability Physics 1.3.5 Renewable	<a href="https://www.bbc.co.uk/bitesize/guides/zggk87h/revision/1">https://www.bbc.co.uk/bitesize/guides/zggk87h/revision/1</a> <a href="https://www.bbc.co.uk/bitesize/guides/z8k9v9q/revision/1">https://www.bbc.co.uk/bitesize/guides/z8k9v9q/revision/1</a> BBC Bitesize - Energy Resources
<b>14/12/20</b>	Photosynthesis	Biology 4.1.1 Photosynthesis Bio 4.1.2 Experiment RP	<a href="https://www.youtube.com/watch?v=cBCKedXdFeE&amp;t=125s">https://www.youtube.com/watch?v=cBCKedXdFeE&amp;t=125s</a> FreeScienceLesson - Practical Video

#### Guide to logging onto Seneca:

Your teacher should have set up a class and emailed you a link to it. Add your account using your school email address and the same password you use to log in at school. Any issues, email your teacher.

#### Guide to using Educake:

Teachers will set homework and tests using Educake. You will have been using this for two years now. If you forget your details, email your teacher to reset them. There is also a section where you can make your own tests on a topic.