

Science Faculty  
Curriculum Year Plans  
2018 – 2019

<b>YEAR 7 Science</b>			
<b>TERM</b>	<b>UNIT</b>	<b>ASSESSMENT TYPE</b>	<b>HOMEWORK OPPORTUNITIES</b>
<b>Term 1</b>	<ul style="list-style-type: none"> <li>• Introduction to Science</li> <li>• Particle Models and Separating Mixtures</li> <li>• Heating, Cooling, Energy and Work</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple choice mid-topic assessments to address misconceptions</li> <li>• End of topic assessments</li> <li>• Practical write-ups</li> </ul>	<ul style="list-style-type: none"> <li>• Weekly facts (Biology, Chemistry, Physics, Science Skills)</li> <li>• Learning key words – spellings and definitions</li> <li>• Set reading prior to lessons</li> <li>• Revision for longer end of unit assessments</li> </ul>
<b>Term 2</b>	<ul style="list-style-type: none"> <li>• Cells and Movement</li> <li>• Elements and the Periodic Table</li> <li>• Universe</li> </ul>		
<b>Term 3</b>	<ul style="list-style-type: none"> <li>• Light and Sound</li> <li>• Reproduction</li> <li>• Earth Structure and Climate</li> </ul>		
<p><b>Wider reading and resources:</b>  <b>BBC Bitesize - <a href="https://www.bbc.com/bitesize/subjects/zng4d2p">https://www.bbc.com/bitesize/subjects/zng4d2p</a></b>  <b>DocScience KS3: <a href="http://www.docbrown.info/ks3science.htm">http://www.docbrown.info/ks3science.htm</a></b></p>			

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<b>TERM</b>	<b>UNIT</b>	<b>ASSESSMENT TYPE</b>	<b>HOMEWORK OPPORTUNITIES</b>
<b>Term 1</b>	<ul style="list-style-type: none"> <li>• Acids and Alkalis</li> <li>• Speed and Pressure</li> <li>• Digestion and Respiration</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple choice mid-topic assessments to address misconceptions</li> <li>• End of topic assessments</li> <li>• Practical write-ups</li> </ul>	<ul style="list-style-type: none"> <li>• Weekly facts (Biology, Chemistry, Physics, Science Skills)</li> <li>• Learning key words – spellings and definitions</li> <li>• Set reading prior to lessons</li> <li>• Revision for longer end of unit assessments</li> </ul>
<b>Term 2</b>	<ul style="list-style-type: none"> <li>• Earth's Resources</li> <li>• Variation and Evolution</li> <li>• Electricity and Magnetism</li> </ul>		
<b>Term 3</b>	<ul style="list-style-type: none"> <li>• Chemical Energy and Types of Reaction</li> <li>• Interdependence</li> <li>• Synoptic</li> </ul>		
<p><b>Wider reading and resources:</b>  <b>BBC Bitesize - <a href="https://www.bbc.com/bitesize/subjects/zng4d2p">https://www.bbc.com/bitesize/subjects/zng4d2p</a></b>  <b>DocScience KS3: <a href="http://www.docbrown.info/ks3science.htm">http://www.docbrown.info/ks3science.htm</a></b></p>			

YEAR 9			
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES
Term 1	<ul style="list-style-type: none"> <li>• Cells</li> <li>• Atomic Structure and the Periodic Table</li> <li>• Energy</li> </ul>	<ul style="list-style-type: none"> <li>• Mid-topic assessments</li> <li>• Regular short quizzes</li> <li>• End of unit assessments</li> </ul>	<ul style="list-style-type: none"> <li>• Weekly facts (Biology, Chemistry, Physics, Science Skills)</li> <li>• Learning key words – spellings and definitions</li> <li>• Set reading prior to lessons</li> <li>• Practice exam questions</li> <li>• Revision for longer end of unit assessments</li> </ul>
Term 2	<ul style="list-style-type: none"> <li>• Organisation</li> <li>• Atomic Bonding</li> <li>• Electricity</li> </ul>		
Term 3	<ul style="list-style-type: none"> <li>• Infection and Response</li> <li>• Quantitative Chemistry</li> <li>• Particle Model of Matter</li> </ul>		
<p><b>Wider reading and resources:</b></p> <p><b>Dropbox resources:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Biology</a></li> <li>• <a href="#">Chemistry (Mrs Tonge)</a></li> <li>• <a href="#">Chemistry (Miss Holcroft)</a></li> <li>• <a href="#">Physics</a></li> </ul> <p>BBC Bitesize (Trilogy) - <a href="https://www.bbc.com/bitesize/examspecs/z8r997h">https://www.bbc.com/bitesize/examspecs/z8r997h</a></p> <p>BBC Bitesize Biology - <a href="https://www.bbc.com/bitesize/examspecs/zpgcbk7">https://www.bbc.com/bitesize/examspecs/zpgcbk7</a></p> <p>BBC Bitesize Chemistry - <a href="https://www.bbc.com/bitesize/examspecs/z8xtmnb">https://www.bbc.com/bitesize/examspecs/z8xtmnb</a></p> <p>BBC Bitesize Physics - <a href="https://www.bbc.com/bitesize/examspecs/zsc9rdm">https://www.bbc.com/bitesize/examspecs/zsc9rdm</a></p>			

YEAR 10			
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES
Term 1	<ul style="list-style-type: none"> <li>Bioenergetics</li> <li>Chemical Changes</li> <li>Atomic Structure</li> </ul>	<ul style="list-style-type: none"> <li>Mid-topic assessments</li> <li>Regular short quizzes</li> <li>End of unit assessments</li> <li>End of year exam</li> </ul>	<ul style="list-style-type: none"> <li>Weekly facts (Biology, Chemistry, Physics, Science Skills)</li> <li>Learning key words – spellings and definitions</li> <li>Set reading prior to lessons</li> <li>Practice exam questions</li> <li>Revision for longer end of unit assessments</li> </ul>
Term 2	<ul style="list-style-type: none"> <li>Homeostasis</li> <li>Energy Changes and Rate of Chemical Change</li> <li>Forces</li> </ul>		
Term 3	<ul style="list-style-type: none"> <li>Inheritance, Variation and Evolution</li> <li>Organic Chemistry</li> <li>Waves</li> </ul>		
<p><b>Wider reading and resources:</b>  <b>Dropbox resources:</b></p> <ul style="list-style-type: none"> <li><a href="#">Biology</a></li> <li><a href="#">Chemistry (Mrs Tonge)</a></li> <li><a href="#">Chemistry (Miss Holcroft)</a></li> <li><a href="#">Physics</a></li> </ul> <p>BBC Bitesize (Trilogy) - <a href="https://www.bbc.com/bitesize/examspecs/z8r997h">https://www.bbc.com/bitesize/examspecs/z8r997h</a>  BBC Bitesize Biology - <a href="https://www.bbc.com/bitesize/examspecs/zpgcbk7">https://www.bbc.com/bitesize/examspecs/zpgcbk7</a>  BBC Bitesize Chemistry - <a href="https://www.bbc.com/bitesize/examspecs/z8xtmnb">https://www.bbc.com/bitesize/examspecs/z8xtmnb</a>  BBC Bitesize Physics - <a href="https://www.bbc.com/bitesize/examspecs/zsc9rdm">https://www.bbc.com/bitesize/examspecs/zsc9rdm</a></p>			

YEAR 11			
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES
Term 1	<ul style="list-style-type: none"> <li>Ecology</li> <li>Chemical Analysis</li> <li>Electromagnetism</li> </ul>	<ul style="list-style-type: none"> <li>Mid-topic assessments</li> <li>Regular short quizzes</li> <li>End of unit assessments</li> <li>Mid-year Pre-Public Examinations (PPEs)</li> </ul>	<ul style="list-style-type: none"> <li>Weekly facts (Biology, Chemistry, Physics, Science Skills)</li> <li>Learning key words – spellings and definitions</li> <li>Set reading prior to lessons</li> <li>Practice exam questions</li> <li>Revision for longer end of unit assessments</li> </ul>
Term 2	<ul style="list-style-type: none"> <li>Synoptic</li> <li>Chemistry of the Atmosphere and Using Resources</li> <li>Space (Separates only)</li> </ul>		
Term 3	<ul style="list-style-type: none"> <li>Synoptic</li> <li>Final exams</li> </ul>		
<p><b>Wider reading and resources:</b>  <b>Dropbox resources:</b></p> <ul style="list-style-type: none"> <li><a href="#">Biology</a></li> <li><a href="#">Chemistry (Mrs Tonge)</a></li> <li><a href="#">Chemistry (Miss Holcroft)</a></li> <li><a href="#">Physics</a></li> </ul> <p>BBC Bitesize (Trilogy) - <a href="https://www.bbc.com/bitesize/examspecs/z8r997h">https://www.bbc.com/bitesize/examspecs/z8r997h</a>  BBC Bitesize Biology - <a href="https://www.bbc.com/bitesize/examspecs/zpgcbk7">https://www.bbc.com/bitesize/examspecs/zpgcbk7</a>  BBC Bitesize Chemistry - <a href="https://www.bbc.com/bitesize/examspecs/z8xtmnb">https://www.bbc.com/bitesize/examspecs/z8xtmnb</a>  BBC Bitesize Physics - <a href="https://www.bbc.com/bitesize/examspecs/zsc9rdm">https://www.bbc.com/bitesize/examspecs/zsc9rdm</a></p>			