

**Curriculum Area: Triple Award Science Year: 10  
2015/2016**

Topics	Year Curriculum	How you can support learning at home, eg. Books, websites, family learning through visits.
Module 1 <b><u>B1 Understanding Ourselves</u></b> a Fitness and health b Human health and diet c Staying healthy d The nervous system e Drugs and you f Staying in balance g Controlling plant growth h Variation and inheritance	This is a Core Science Unit the outcomes in this unit go towards meeting the compulsory Science that all Pupils must study in Secondary Schools. It is assessed by 2 Biology exams in the summer of Y11 and a piece of Biology Controlled assessment that has to be completed in School. The topics change yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.	Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).  Monitor and support the completion of your child's homework.  Use:- <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a>  Support you child after the completion of the end of Unit tracking.
Module 2 <b><u>C1 Carbon Chemistry</u></b> a Making crude oil useful b Using carbon fuels c Clean air d Making polymers e Designer polymers f Cooking and food additives g Smells h Paints and pigments	This is a Core Science Unit the outcomes in this unit go towards meeting the compulsory Science that all Pupils must study in Secondary Schools. It is assessed by 2 Chemistry exams in the summer of Y11 and a piece of Chemistry Controlled assessment that has to be completed in School. The topics change yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.	Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).  Monitor and support the completion of your child's homework.  Use:- <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a>  Support you child after the completion of the end of Unit tracking.
Module 3 <b><u>P1 Energy for the home</u></b> a Heating houses	This is a Core Science Unit the outcomes in this unit go towards meeting the compulsory Science	Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).

<p>b Keeping homes warm  c A spectrum of waves  d Light and lasers  e Cooking and communicating using waves  f Data transmission  g Wireless signals  h Stable Earth</p>	<p>that all Pupils must study in Secondary Schools. It is assessed by 2 Physics exams in the summer of Y11 and a piece of Physics Controlled assessment that has to be completed in School. The topics change yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.</p>	<p>Monitor and support the completion of your child's homework.</p> <p>Use:-  <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a></p> <p>Support you child after the completion of the end of Unit tracking.</p>
<p>Module 4  <b>B2 Understanding Our Environment</b>  a Classification  b Energy flow  c Recycling  d Interdependence  e Adaptations  f Natural selection  g Population and pollution  h Sustainability</p>	<p>This is a Core Science Unit the outcomes in this unit go towards meeting the compulsory Science that all Pupils must study in Secondary Schools. It is assessed by 2 Biology exams in the summer of Y11 and a piece of Biology Controlled assessment that has to be completed in School. The topics change yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.</p>	<p>Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).</p> <p>Monitor and support the completion of your child's homework.</p> <p>Use:-  <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a></p> <p>Support you child after the completion of the end of Unit tracking.</p>
<p>Module 5  <b>C2 Chemical Resources</b>  a The structure of the Earth  b Construction materials  c Metals and alloys  d Making cars  e Manufacturing chemicals: making ammonia  f Acids and bases  g Fertilisers and crop yields  h Chemicals from the sea: the chemistry of</p>	<p>This is a Core Science Unit the outcomes in this unit go towards meeting the compulsory Science that all Pupils must study in Secondary Schools. It is assessed by 2 Chemistry exams in the summer of Y11 and a piece of Chemistry Controlled assessment that has to be completed in School. The topics change yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25%</p>	<p>Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).</p> <p>Monitor and support the completion of your child's homework.</p> <p>Use:-  <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a></p>



sodium chloride	of the total.	Support you child after the completion of the end of Unit tracking.
<p>Module 6</p> <p><b><u>P2 Living for the future (Energy Resources)</u></b></p> <p>a Collecting energy from the Sun</p> <p>b Generating electricity</p> <p>c Global warming</p> <p>d Fuels for power</p> <p>e Nuclear radiations</p> <p>f Exploring our Solar System</p> <p>g Threats to Earth</p> <p>h The Big Bang</p>	<p>This is a Core Science Unit the outcomes in this unit go towards meeting the compulsory Science that all Pupils must study in Secondary Schools. It is assessed by 2 Physics exams in the summer of Y11 and a piece of Physics Controlled assessment that has to be completed in School. The topics change yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.</p>	<p>Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).</p> <p>Monitor and support the completion of your child's homework.</p> <p>Use:-  <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a></p> <p>Support you child after the completion of the end of Unit tracking.</p>
<p>Module 7</p> <p><b><u>B3 Living and Growing</u></b></p> <p>a Molecules of life</p> <p>b Proteins and mutations</p> <p>c Respiration</p> <p>d Cell division</p> <p>e The circulatory system</p> <p>f Growth and development</p> <p>g New genes for old</p> <p>h Cloning</p>	<p>This is an Additional Science Unit. The outcomes in this unit are aimed at furthering the Scientific knowledge of pupils and should enable an A level Standard to be accessed. It is assessed by 2 Biology exams in the summer of Y11 and a piece of Biology Controlled assessment that has to be completed in School. The topics changes yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.</p>	<p>Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).</p> <p>Monitor and support the completion of your child's homework.</p> <p>Use:-  <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a></p> <p>Support you child after the completion of the end of Unit tracking.</p>
<p>Module 8</p> <p><b><u>C3 Chemical Economics</u></b></p> <p>a Rate of reaction (1)</p>	<p>This is an Additional Science Unit. The outcomes in this unit are aimed at furthering the Scientific knowledge of pupils and should enable an A level</p>	<p>Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).</p>



<p>b Rate of reaction (2)  c Rate of reaction (3)  d Reacting masses  e Percentage yield and atom economy  f Energy  g Batch or continuous?  h Allotropes of carbon and nanochemistry</p>	<p>Standard to be accessed. It is assessed by 2 Chemistry exams in the summer of Y11 and a piece of Chemistry Controlled assessment that has to be completed in School. The topics change yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.</p>	<p>Monitor and support the completion of your child's homework.</p> <p>Use:-  <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a></p> <p>Support you child after the completion of the end of Unit tracking.</p>
<p>Module 9  <b>P3 Forces For Transport</b>  a Speed  b Changing speed  c Forces and motion  d Work and power  e Energy on the move  f Crumple zones  g Falling safely  h The energy of games and theme rides</p>	<p>This is an Additional Science Unit. The outcomes in this unit are aimed at furthering the Scientific knowledge of pupils and should enable an A level Standard to be accessed. It is assessed by 2 Physics exams in the summer of Y11 and a piece of Physics Controlled assessment that has to be completed in School. The topics change yearly and always coincide with one of the topics displayed in the first column. Exam 1 is worth 35% exam 2 is worth 40% and the Controlled Assessment is worth 25% of the total.</p>	<p>Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).</p> <p>Monitor and support the completion of your child's homework.</p> <p>Use:-  <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/triple_ocr_gateway/</a></p> <p>Support you child after the completion of the end of Unit tracking.</p>

