

**Curriculum Area: Core 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>B1 Understanding Ourselves</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 exams in the summer and a piece of 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.	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/ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/</a>  Support you child after the completion of the end of Unit tracking.
Module 2 <b>C1 Carbon Chemistry</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 exams in the summer and a piece of 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.	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/ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/</a>  Support you child after the completion of the end of Unit tracking.
Module 3 <b>P1 Energy for the home</b> a Heating houses b Keeping homes warm	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 exams in the summer and a piece	Purchase the revision guides and question booklets that are advertised and sold by the school (These cover all Core Y10 and Additional Units).

<p>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>of 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>Monitor and support the completion of your child's homework.</p> <p>Use:-  <a href="http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/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 exams in the summer and a piece of 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/ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/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 sodium chloride</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 exams in the summer and a piece of 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/ocr_gateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/ocr_gateway/</a></p> <p>Support you child after the completion of the end of Unit tracking.</p>



<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 exams in the summer and a piece of 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:-</p> <p><a href="http://www.bbc.co.uk/schools/gcsebitesize/science/ocrgateway/">http://www.bbc.co.uk/schools/gcsebitesize/science/ocrgateway/</a></p> <p>Support you child after the completion of the end of Unit tracking.</p>
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