



Curriculum Plan Key Stage 3

Science

Academic year: 2020-21		Head of department: Mr Keane (a.keane@todhigh.co.uk)	
Term 1			
Year 7	Year 8	Year 9	
<p style="color: red;">Introduction to Science</p> <p style="color: green;">Cells, Tissues and Organ Systems</p> <p style="color: red;">Mixtures and Separations</p> <p style="color: blue;">Energy types and resources</p> <p style="color: green;">Reproduction in Animals</p>	<p style="color: green;">Food and Nutrition</p> <p style="color: red;">Combustion</p> <p style="color: blue;">Fluids</p> <p style="color: green;">Plants and Plant Reproduction</p>	<p style="color: green;">Key Concepts in Biology</p> <p style="color: green;">Cells and Control</p> <p style="color: red;">States of matter and Purifying Substances</p> <p style="color: red;">Atomic Structure and Periodic Table</p>	
Term 2			
Year 7	Year 8	Year 9	
<p style="color: red;">Acids and Alkalis</p> <p style="color: blue;">Current Electricity</p> <p style="color: red;">The Particle Model</p> <p style="color: green;">Muscles and Bones</p>	<p style="color: red;">Metals and their Uses</p> <p style="color: green;">Breathing and Respiration</p> <p style="color: blue;">Light</p> <p style="color: green;">Unicellular Organisms</p> <p style="color: blue;">Energy Transfers</p>	<p style="color: green;">Genetics</p> <p style="color: blue;">Forces and Motion</p> <p style="color: blue;">Conservation of energy</p>	
Term 3			
Year 7	Year 8	Year 9	
<p style="color: blue;">Forces and Magnetism</p> <p style="color: red;">Atoms and Compounds</p> <p style="color: blue;">Sound</p> <p style="color: green;">Ecosystems</p>	<p style="color: red;">The Periodic Table</p> <p style="color: green;">Microbes and Disease</p> <p style="color: green;">Inheritance, variation and evolution</p> <p style="color: red;">Earth, Space, rocks and atmospheric chemistry</p>	<p style="color: blue;">Waves, Light and the Electromagnetic spectrum</p> <p style="color: red;">Acids and Alkalis</p> <p style="color: green;">Natural Selection and Genetic Modification</p>	

Key: Biology topics in green, Chemistry topics in red, Physics topics in blue

Homework		
Year 7	Year 8	Year 9
Homework is a mixture tasks to support the of learning and application of key knowledge.	Homework is a mixture tasks to support the of learning and application of key knowledge.	Homework is a mixture tasks to support the of learning and application of key knowledge.
Assessment		
Year 7	Year 8	Year 9
<p>Students complete a formal assessment at the end of each term covering the topics studied. The grade obtained in this assessment is used for the data check.</p> <p>Students complete informal/practice assessments at the end of each topic. This will develop their exam technique and inform them of key areas needed to revise for the end of term assessment.</p> <p>Students will also complete a required practical in each topic where this can be safely completed due to enhanced health and safety requirements.</p>	<p>Students complete a formal assessment at the end of each term covering the topics studied. The grade obtained in this assessment is used for the data check.</p> <p>Students complete informal/practice assessments at the end of each topic. This will develop their exam technique and inform them of key areas needed to revise for the end of term assessment.</p> <p>Students will also complete a required practical in each topic where this can be safely completed due to enhanced health and safety requirements.</p>	<p>Students complete a formal assessment at the end of each topic covered. The grade used for data check is an average of these assessments.</p> <p><i>Students do at times complete practice assessments, informal assessments or pre-checks to help inform teaching.</i></p>

How can parents and carers help?		
Year 7	Year 8	Year 9
Take an interest in child's work, please ensure sufficient effort is being put into each piece of homework. Encourage them to think about how their learning is related to the everyday world.	Take an interest in child's work, please ensure sufficient effort is being put into each piece of homework. Encourage them to think about how their learning is related to the everyday world.	Take an interest in child's work, please ensure sufficient effort is being put into each piece of homework. Encourage them to think about how their learning is related to the everyday world.