

<u>Calendar</u>	<u>Big Question/Theme</u>	<u>Small Questions</u>	<u>Assessment Opportunities and Criteria. Teacher feedback point (TFP)</u>	<u>Homework</u>
Autumn 1 Year 8 Topic 8A Diet	What makes a balanced diet and how does our body digest food?	<ol style="list-style-type: none"> <li>1. Why do we need food?</li> <li>2. Which foods are good sources of carbohydrates, fats, proteins and fibre.</li> <li>3. What is a balanced diet?</li> <li>4. What do food labels tell us?</li> <li>5. Why do different people need different amounts of energy from food?</li> <li>6. What is a deficiency?</li> <li>7. How does malnutrition occur?</li> <li>8. What are the consequences of the lack of a nutrient?</li> <li>9. What are the main parts of the human digestive system?</li> <li>10. Why do we digest food?</li> <li>11. What are the functions of the organs in the digestive system?</li> <li>12. How do enzymes help break down food?</li> </ol>	<p>Each Ks3 module is followed by a common assessed task (CAT). This is comprised of a mixture of exam questions based on that topic.</p> <p>Exam questions are obtained from ExamPro.</p> <p>Teacher will mark exam questions and provide a class feedback sheet. Students will NTG by responding to marking.</p> <p>Optional: there is an assessment for each topic in the Pearsons SOW.</p>	<p>Homework is revision of the topic's knowledge organiser.</p> <p>Students will be quizzed weekly /10</p> <p>Student results will be recorded on a tracking sheet.</p>

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Autumn 1 Year 8 Topic 8E Combustion	What is combustion and what are oxidation reactions?	<ol style="list-style-type: none"> <li>1. What is a combustion reaction?</li> <li>2. What is a hydrocarbon?</li> <li>3. What are the products of combustion reactions?</li> <li>4. What happens to the mass in a chemical reaction?</li> <li>5. What is oxidation?</li> <li>6. What products are formed by the oxidation of metal?</li> <li>7. What is the fire triangle?</li> <li>8. How can the fire triangle be used to manage fires?</li> <li>9. What are the hazard symbols for substances likely to cause fires?</li> <li>10. Can you identify the control variables in an experiment and describe how to control them?</li> <li>11. Why it is important to carry out a fair test?</li> <li>12. What pollutants are formed from burning fuels?</li> <li>13. What problems to the environment can these pollutants cause?</li> <li>14. How can we manage the effects of these pollutants?</li> </ol>	<p>Each Ks3 module is followed by a common assessed task (CAT). This is comprised of a mixture of exam questions based on that topic.</p> <p>Exam questions are obtained from ExamPro.</p> <p>Teacher will mark exam questions and provide a class feedback sheet. Students will NTG by responding to marking.</p> <p>Optional: there is an assessment for each topic in the Pearsons SOW.</p>	<p>Homework is revision of the topic's knowledge organiser.</p> <p>Students will be quizzed weekly /10</p> <p>Student results will be recorded on a tracking sheet.</p>

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Autumn 1 Year 8 Topic 8 Fluids	What are the properties of fluids?	<p>What are the properties of solids, liquids and gases?</p> <p>How are particles arranged in solids, liquids and gases?</p> <p>Why do materials expand and contract when the temperature changes?</p> <p>How does the volume and mass relate to density?</p> <p>How can the density of an object be determined?</p> <p>What happens to the temperature of a substance as it changes state?</p> <p>What happens to the particle arrangement as the temperature increases?</p> <p>What happens to particle energy as the temperature increases?</p> <p>What happens to the particle arrangement as the temperature decreases?</p> <p>What happens to particle energy as the temperature decreases?</p> <p>How does fluid pressure change with depth and height?</p> <p>How can gas pressure can be increased?</p> <p>How does pressure link to the particle model?</p> <p>What is upthrust?</p> <p>Why do objects float?</p> <p>What factors effect upthrust?</p> <p>Which forces increase and decrease drag?</p> <p>What causes drag?</p> <p>What is the relationship between drag and speed?</p>	<p>Each Ks3 module is followed by a common assessed task (CAT). This is comprised of a mixture of exam questions based on that topic.</p> <p>Exam questions are obtained from ExamPro.</p> <p>Teacher will mark exam questions and provide a class feedback sheet. Students will NTG by responding to marking.</p> <p>Optional: there is an assessment for each topic in the Pearsons SOW.</p>	<p>Homework is revision of the topic's knowledge organiser.</p> <p>Students will be quizzed weekly /10</p> <p>Student results will be recorded on a tracking sheet.</p>