

Year 7 Science

Learning Programme 4

<p>The LORIC skill focus for his LP is: INITIATIVE.</p> <p>The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.</p> <p>Integrity - Having strong moral principles.</p> <p>Gratitude - Feeling and expressing thanks.</p> <p>What will I be learning about in this Learning Programme? The roles of different organ systems and their functions in the human body. How different factors such as diet, alcohol and drugs can effect health. The reactions of metals with acids and oxygen and being able to order metals in terms of reactivity based on these reactions.</p> <p>Where have I seen this learning before? You have covered some of the organs systems at KS2 and have learnt about a healthy lifestyle also.</p> <p>What could I use it for? Careers in healthcare and Sports Science such as a Physiotherapist, Doctor, Nutritionist or Community nursing.</p>		<p>Literacy:</p> <ul style="list-style-type: none"> • Capital letters must be used at the start of sentences and for the first letter of proper nouns • Full stops must be used at the end of a sentence • Question marks must be used at the end of a question • Apostrophes should only be used for possession or omission • Days of the week and months must be spelled correctly • Key words must be spelled correctly
<p>In LP4.1, I will know:</p> <p>the roles of the skeleton; how antagonistic muscles work about a hinge joint; the structure of the gas exchange system and it's function .</p>	<p>04/03/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Breathing</p>	<p>Homework</p> <p>Keyword Spelling test</p>
<p>In LP4.2, I will know:</p> <p>how the actions of the ribcage and diaphragm lead to inhaling and exhaling linking to volume and pressure; the harmful chemicals in cigarette smoke and their effect on the body; how the circulatory system is adapted to its function, including the adaptations of the blood vessels.</p>	<p>11/03/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Circulation</p>	<p>Homework</p> <p>Keyword definitions test</p>
<p>In LP4.3, I will know:</p> <p>the roles of the different components of blood; the structure and functions of the heart; how each part of the digestive system works in sequence, including adaptations of the small intestine for its function and why food needs to be digested.</p> <p>Extended Task.</p>	<p>18/03/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Digestion</p>	<p>Homework</p> <p>Knowledge Organiser Flipper</p>
<p>In LP4.4, I will know:</p> <p>how each nutrient contributes to a healthy, balanced diet; how an unhealthy diet causes health issues; the food tests for starch, sugar, lipids, proteins and the expected results.</p>	<p>25/03/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Diet</p>	<p>Homework</p> <p>Body systems and health core questions</p>
<p>In LP4.5, I will know:</p> <p>how to use lock and key theory to explain the specificity of enzymes; how to explain some of the health and social issues caused by alcohol; drugs in terms of medicinal/recreational/legal/illegal/regulated.</p>	<p>15/04/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Enzyme</p>	<p>Homework</p> <p>Literacy Task</p>
<p>In LP4.6, I will know:</p> <p>the stages of drug testing; how to recognise compounds from their formula and describe how mixtures can be separated; how to convert word equations into formula equations.</p> <p>Extended Task.</p>	<p>22/04/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Drugs</p>	<p>Homework</p> <p>Extended Question</p>
<p>In LP4.7, I will know:</p> <p>how to construct word equations for some combustion reactions; how to predict the products of decomposition reactions; what happens to the mass of the reactants and products in chemical reactions.</p>	<p>29/04/24 - (WK 1)</p> <p>Key Vocabulary</p> <p>Combustion</p>	<p>Homework</p> <p>Keyword/definition review</p>
<p>In LP4.8, I will know:</p> <p>how to represent elements and compounds as formulae; how to compare the reactions of different metals with dilute acids; how to make observations about how different metals react with oxygen.</p>	<p>06/05/24 - (WK 2)</p> <p>Key Vocabulary</p> <p>Metal reactivity</p>	<p>Homework</p> <p>Revision Mind Map</p>
<p>Resources to support learning: Knowledge organiser, Booklet, Microsoft TEAMS, BBC Bitesize</p>		
<p>FFET Award Challenge for this Learning Programme: Create a resource which could be used to teach primary school pupils about a healthy diet. You could create some recopies which can be made at home.</p>		

PRT Task 1

PRT Task 2