

Year 7 Subject Learning Programme 2

<p>The LORIC skill focus for his LP is: ORGANISATION</p> <p>The Moral Virtues focus for this LP are: COMPASSION and HONESTY</p> <p>Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others.</p> <p>Honesty - the quality of being truthful.</p> <p>What will I be learning about in this Learning Programme?</p> <p>How sound travels and the effect of particles in this process.</p> <p>Where have I seen this learning before?</p> <p>Particle model and the properties of solid. Liquids and gases. Movement and dissolving of particles.</p> <p>What could I use it for?</p> <p>GCSE chemistry and physics, topics around particles, elements, cells and waves.</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
--	---

In LP2.1, I will know:	21/10/24 - (WK 2)	Key Vocabulary	Homework
how to explain the trend down group 0 of increasing boiling point in terms of atomic mass; how to relate the reactions and properties of the alkali metals to the number of electrons in their outer shell; how to PREDICT displacement reaction outcomes of halogens other than chlorine, bromine and iodine; how to describe and explain the position of elements on the periodic table in relation to their atomic structure.		Reactivity	Learn Spellings

In LP2.2, I will know:	04/11/24 - (WK 1)	Key Vocabulary	Homework
how to describe sound as the transfer of energy through vibrations and explain why sound cannot travel through a vacuum; how to compare and contrast waves of different loudness using wave traces and waves of different frequency using a diagram; how to use data of different animal audible ranges to decide what sound can be heard and understand what happens to human audible range with age;		Sound	Learn definitions.

LP2 RLW, I will:	11/11/24 - (WK 2)		
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.			

In LP2.3, I will know:	18/11/24 - (WK 1)	Key Vocabulary	Homework
how to explain some conditions that may reduce hearing; how to evaluate advantages and disadvantages of using ultrasound; how to explain, with reasons, different ways animals use echolocation.		Audible range	Knowledge organiser flipper.
Extended Task.			



In LP2.4, I will know:	25/11/24 - (WK 2)	Key Vocabulary	Homework
how to describe the similarities and differences between plant and animal cells; how to use the microscope to identify different structures e.g. human hair, insects; how to complete a summative assessment; how to complete a pupil response task.		Echo	10 core questions

In LP2.5, I will know:	02/12/24 - (WK 1)	Key Vocabulary	Homework
how to label detailed drawings of animal and plant cells; how to describe examples of specialised animal and plant cells, linking structure and function; how to explain in detail the hierarchy of organisation in a multicellular organism, using a range of examples.		Cells	Extended literacy task.

In LP2.6, I will know:	09/12/24 - (WK 2)	Key Vocabulary	Homework
how to explain which substances move into and out of cells and the process of diffusion; how to describe the differences between prokaryotic and eukaryotic cells; how to explain why changes occur at different stages of the human life cycle; how to explain the main changes that take place during puberty.		Microscopes	10 core questions
Extended Task.			



In LP2.7, I will know:	16/12/24 - (WK 1)	Key Vocabulary	Homework
how to explain how different parts of the male and female reproductive systems work together to achieve certain functions; how to explain the sequence of fertilisation and implantation; how to explain the role of the menstrual cycle in reproduction.		Diffusion	Extended literacy task.

Resources to support learning:
Knowledge Organiser , Science booklets , BBC Bitesize , MS Teams .

FFET Award Challenge for this Learning Programme:
Pick an element from the Periodic table and research the origins of its name, who discovered it, its physical and chemical properties and what it can be used for.