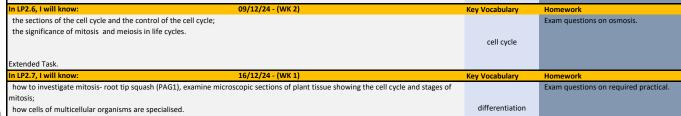




Year 12 Biology SMR **Learning Programme 2**

The LORIC skill focus for his LP is: ORGANISATION		Literacy:
The Moral Virtues focus for this LP are: COMPASSION and HONESTY		Capital letters must be used at the sta
Compassion - the quality of feeling pity and concern for the sufferings or misfortunes of others. Honesty - the quality of being truthful. What will I be learning about in this Learning Programme? You are learning about the structure of the cell surface membrane and how this controls the permeability of the cell.		of sentences and for the first letter of
		proper nouns
		 Full stops must be used at the end of a sentence
		end of a question
When have been the been helder		 Apostrophes should only be used for possession or omission
Where have I seen this learning before? You will have learnt about cell membranes and transport across them in GCSE Biology.		Days of the week and months must be
Too will have learne about een menturalies and draitsport across them in deat blology.		spelled correctly
		Key words must be spelled correctly
		ney words mast se spened correctly
What could I use it for?		
You will use this again if you study a BSc (Hons) in Pharmacology.		
In LP2.1, I will know: 21/10/24 - (WK 2)	Key Vocabulary	Homework
lipid structure to link to formation of a membrane;	, , , , , , , , , , , , , , , , , , , ,	Exam questions on lipids.
the roles of membranes within the cells and at the surface of cells.		
	bilayer	
n LP2.2, I will know: 04/11/24 - (WK 1)	Key Vocabulary	Homework
the fluid mosaic model of membrane structure and the roles of its components;		Exam questions on cell membranes.
factors affecting membrane structure and permeability.		·
	permeability	
LP2 RLW, I will: 11/11/24 - (WK 2)		
		Exam questions on factors affecting the
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.	review	membrane.
In LP2.3, I will know: 18/11/24 - (WK 1)	Key Vocabulary	Homework
how to carry out practical investigations into membrane permeability using beetroot and colorimetry; diffusion as the passive movement of molecules across membranes.		Revision in preparation for assessment
unfusion as the passive movement of molecules across memoranes.	passive	
	passive	
Extended Task.		
In LP2.4, I will know: 25/11/24 - (WK 2)	Key Vocabulary	Homework
how to carry out practical investigations into the factors affecting diffusion rates in model cells made from agar;		Exam questions on diffusion.
about active transport of molecules across membranes.	1155	
	diffusion	
n LP2.5, I will know: 02/12/24 - (WK 1)	Key Vocabulary	Homework
how to plan practical investigations into the effects of solutions of different water potential on plant and animal cells;		Exam questions on active transport.
how to evaluate and analyse the osmosis practical.		
how to evaluate and analyse the osmosis practical.	osmosis	







https://www.thesciencehive.co.uk/cell-membranes-ocr

https://pmt.physicsandmathstutor.com/download/Biology/A-level/Notes/OCR-A/2-Foundations-in-Biology/2.6-Cell-Division-Cell-Diversity-Cellular-Organisation/Summary%20Notes%20-

%20Topic%202.6%20OCR%20(A)%20Biology%20A-Level.pdf
FFET Award Challenge for this Learning Programme:

You have learnt about biological molecules and cell membranes. Create a poster of a cell membrane, linking your knowledge of biological molecules to its structure.