

Year 13 Physics

PRT Task



Learning Programme 4

The LORIC skill focus for his LP is: INITIATIVE.		Literacy:
The Moral Virtues focus for this LP are: INTEGRITY and GRATITUDE.	İ	Capital letters must be used at the start
Integrity - Having strong moral principles.		of sentences and for the first letter of
Gratitude - Feeling and expressing thanks.	I	proper nouns
What will I be learning about in this Learning Programme?		Full stops must be used at the end of a
How capacitors are constructed and how to use the capacitor energy storage questions. How an electric field can be induced and how t	o use the transformer	Ouestion marks must be used at the
equations.	I	end of a question
	l	Apostrophes should only be used for
	I	possession or omission
Where have I seen this learning before?	I	Days of the week and months must be
Electricity, waves and protons unit from Yr12	l	spelled correctly
Nauloactivity at NS4	l	Key words must be spened correctly
	l	
What could I use it for?	I	
Undergraduate degrees courses in electrical and mechanical engineering, medicine and energy sector degrees	I	
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1n 104 1 1 will known 04/03/24 - (WK 1)	Kouttocohulary	ttereeuwerk
how to define electric field strength.	Key vocabulary	Electric fields booklet
how to apply coulombs law for the force between two point charges;		
how to describe a uniform electric field.	Coulombs law	
In LP4.2, I will know: 11/03/24 - (WK 2)	Key Vocabulary	Homework
how to state and apply Fleming's Left Hand Rule;		Magnetic fields booklet
how to find the magnitude of an induced force via experiment and compare it with the uncorrection value.	Fleming's land hand	
how to describe Faradavs Law and Lenz's Law.	rule	
In LP4.3, I will know: 18/03/24 - (WK 1)	Key Vocabulary	Homework
how to describe the construction of a transformer. Explain how a transformer alters potential difference. Use the transformer		Particle physics booklet
equations;		
how to describe Rutherford's Alpha scattering experiment and explain what it tells us about the structure of the atom. Compare the	Weber	
relative size of the atom and the nucleus.		
Extended Task.	it it ashulant	
In LP4.4, I will know: 25/05/24 - (WK 2)	Key Vocabulary	Homework
How to describe subatomic particles and the particle zoo		Radiation PPQs
How to describe the nature of alpha, beta and gamma radiation	decay	
How to describe nair-life and radioactive decay calculations		
In LP4.5, I will know: 15/04/24 - (WK 1)	Key Vocabulary	Homework
In LP4.5, I will know: 15/04/24 - (WK 1) How to describe Nuclear fission and fusion Use to describe hinding pagery	Key Vocabulary	Homework Nuclear Fission and Fusion PPQs
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