The Ellesmere Port C of E College



## Year 13 Exploring Physics

## Learning Programme 2

PRT Task 1

The LORIC skill focus for his LR is: OPGANISATION			Literacy:
The Moral Virtues focus for this LP is: ORGANISATION	d HONESTY		<ul> <li>Capital letters must be used at the star</li> </ul>
Compassion - the quality of feeling pity and concern for t	he sufferings or misfortunes of others.		of sentences and for the first letter of
Honesty - the quality of being truthful.			proper nouns
What will I be learning about in this Learning Programme?			<ul> <li>Full stops must be used at the end of a</li> </ul>
The properties and effects of electric fields.			Ouestion marks must be used at the
The properties and effects of magnetic fields.			end of a question
How an magnetic field can be induced and how to use the transf	former equations.		Apostrophes should only be used for
Where have I seen this learning before?			possession or omission
Electricity from KS4 and Yr12.			Days of the week and months must be
Magnetic fields at KS4.			Key words must be spelled correctly
What could Luco it for?			- key words must be spened correctly
Undergraduate degrees courses in electrical and mechanical eng	ineering, medicine and energy sector degrees.		
	,		
In LP2.1, I will know:	21/10/24 - (WK 2)	Key Vocabulary	Homework
How to carry out the PAG 9.1 investigation - charging and discha	arging a capacitor;		Practical writeups
how to carry out the PAG 9.2 investigation - Capacitors in series	and parallel;	Discharge	
		Discharge	
In LP2.2, I will know:	04/11/24 - (WK 1)	Key Vocabulary	Homework
how to explain electric fields are due to charges, describe electric	ic field lines, and electric field strength;		Coulomb's law exam questions
now to describe coulomb's for the Force between 2 charges as to proportional to the square of their separation:	seing proportional to the product of the charge and inversely	Coulomb's law	
LP2 RLW, I will:	11/11/24 - (WK 2)		
review my learning, recalling and applying key knowledge, and for	ocus on closing any gaps in my knowledge.		
In LP2.3. L will know:	18/11/24 - (WK 1)	Key Vocabulary	Homework
how to describe uniform electric field strength and the permittiv	vity used in dielectrics in parallel plate capacitors:	Key vocabulary	Electric fields exam questions
how to describe the motion of charged particles in a uniform ele	ectric field.		
		Dormittivity	
		Permittivity	
Entry and Table		Permittivity	
Extended Task.	25/11/24 - (WK 2)	Key Vocabulary	Homowork
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