



Year 10 Physics (separate)

Learning Programme 3

PRT Task 1

PRT

The LORIC skill focus for his LP is: RESILIENCE		Literacy:
The Moral Virtues focus for this LP are: RESPECT and JUSTICE		 Capital letters must be used at the s of sentences and for the first letter of
Respect - treat others how you would wish to be treated yourself.		proper nouns
Justice - our College rules are fair and reasonable.		 Full stops must be used at the end of
What will I be learning about in this Learning Programme?		sentence
How are electrons transferred in static electricity transferred.		Question marks must be used at the
How the behaviour of particles affects the behaviour of substances. Density and how you measure it.		end of a questionApostrophes should only be used fo
		possession or omission
Where have I seen this learning before?		Days of the week and months must
From KS3: electrical circuits, properties of materials, the particle model, changes of state, energy changes.		spelled correctly
		 Key words must be spelled correctly
What could I use it for? This knowledge is further built upon in the two topics: Electricity and Thermodynamics at A-level. Essential knowledge for careers in engi	incoring catoring and	
food design, insulating buildings.	meening, catering and	
In LP3.1, I will know: 06/01/25 - (WK 2)	Key Vocabulary	Homework
how to explain how the transfer of electrons between objects can explain the phenomena of static electricity;	,	Static electricity questions
how to explain the concept of an electric field. Draw the electric field pattern for a charged particle. Explain how electric fields help		
explain the force between charged objects, sparking etc;	electrostatic	
how to apply the equation density=mass/volume. Know how to find the volume of regular and irregular objects.		
In LP3.2, I will know: 13/01/25 - (WK 1)	Key Vocabulary	Homework
how to investigate density (required practical);	Rey vocabulary	Density of materials questions
how to draw and describe particle diagrams for solid, liquid, gas. Describe the properties of solids, liquids and gases.		
	density	
In LP3.3, I will know: 20/01/25 - (WK 2) how to describe the differences between heat and temperature in terms of kinetic energy of particles and state changes;	Key Vocabulary	Homework
how to describe the differences between heat and temperature in terms of kinetic energy of particles and state changes; how to explain key features of a heating/cooling curve in terms of the potential and kinetic energy of particles and state changes;		Internal energy and changes of state questions
	condensation	questions
LP3 Formative assessment.	condensation	
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