

Year 10 Physics

RT Task

PRT Task 2



Learning Programme 5		
The LORIC skill focus for his LP is: COMMUNICATION.		Literacy:
The Moral Virtues focus for this LP are: COURAGE and HUMILITY.		Capital letters must be used at the start
Courage - Acting with bravery and overcoming fears.		of sentences and for the first letter of proper nouns
Humility - Having a modest view of oneself.		 Full stops must be used at the end of a
What will I be learning about in this Learning Programme?		sentence
The uses and dangers of nuclear radiation, nuclear fission and fusion.		 Question marks must be used at the
An introduction to Forces.		end of a question
		Apostrophes should only be used for
where have I seen this learning before?		 possession or omission Days of the week and months must be
You have learnt about the particle model in KS3 and LP3. The structure of the atom is a fundamental concept that you learnt in KS3 and have since reviewed in Chemistry. During LP4, you learnt about radioactive decay and alpha, beta and gamma radiation.		spelled correctly
Chemistry. During Le4, you learnt about radioactive decay and alpha, beta and gamma radiation.		 Key words must be spelled correctly
What could I use it for? You will learn more about the particle model and the nucleus in greater depth in A-level Physics and Chemistry. Nuclear power will be c		
move to more carbon neutral energy.		
In LP5.1, I will know: 12/05/25 - (WK 1)	Key Vocabulary	Homework
how to explain how contamination and irradiation can cause a risk to human health. Name common sources (natural and manmade) of	,	Sparx science
background radiation;	Contamination	
how to evaluate the perceived risks of using nuclear radiation - Alexander Litvinenko story.	Irradiation	
In LP5.2, I will know: 19/05/25 - (WK 2)	Key Vocabulary	Homework
In LPS.2, I will know: 19/05/25 - (WK 2) how to describe and explain uses of alpha, beta and gamma radiation in industry;	Rey vocabulary	Sparx science
how to describe and explain uses of radiation.		
	Becquerel	
LP5 RLW, I will: 02/06/25 - (WK 1)		
		Sparx science
review my learning, recalling and applying key knowledge, and focus on closing any gaps in my knowledge.		
In LP5.3, I will know: 09/05/25 - (WK 2)	Key Vocabulary	Homework
how to describe the process of nuclear fission;		Sparx science
how to describe the working of a nuclear power station.	Fission	
	Fusion	
Extended Task.		
In LP5.4, I will know: 16/06/25 - (WK 1)	Key Vocabulary	Homework
how to revise in preparation for the mock exam;		Sparx science
the exam skills to complete LP5 GCSE Physics mock examination.		
In LP5.5, I will know: 23/06/25 - (WK 2)	Key Vocabulary	Homework
my strengths and areas for development following the assessment and PRT.		Sparx science
In LP5.6, I will know: 30/06/25 - (WK 1)	Key Vocabulary	Homework
how to describe the difference between a vector and a scalar quantity, with examples of scalars and vector;		Sparx science
how to use scale diagrams to add two or more forces. How to resolve forces into horizontal and vertical components.	Scalar	
	Vector	
Entered at Table		
Extended Task. In LP5.7, I will know: 07/06/25 - (WK 2)	Key Vershul	Herewook
In LP5.7, I will know: 07/06/25 - (WK 2) how to describe name and describe different forces;	Key Vocabulary	Homework Sparx science
how to calculate weight and mass using the equation W = mg,		
my own gaps in learning through PRT task and feedback.	Weight	
Resources to support learning: Knowledge organisers, booklets, Physics and Maths Tutor, BBC Bitesize, Synergy		
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FFET Award Challenge for this Learning Programme:		
Complete a practice paper as part of your revision.		