

Curriculum Plan		Subject	Physics		Year	12
Spring 2		W/C 22 nd February		W/C 1 st March	W/C 8 th March	
How you will access home learning		All lessons will be transmitted via MS Teams and (in some cases) recorded for additional access or in case you are unable to log in at the time of the lesson. These transmissions can be accessed on MS Teams via laptop, smartphone or tablet. In the event you have no way to access these transmissions or recordings, your teacher will set alternative work on SMHW. If for any reason your teacher is unavailable and work has not been set, please use your time to revise what we have learned so far. High quality revision materials can be found here .				
How you be able to interact with your teacher and gain feedback on your work		Teachers will be able to communicate over the MS Teams chat function, the SMHW chat function or via email. If you are accessing the lesson via SMHW transmission you will be allowed to communicate with other students using the TEAMS chat where appropriate.				
Retrieval How we will help you to recall previously learnt knowledge		Each lesson will start with a 5 question quiz for retrieval. If you are not accessing the lesson through TEAMS transmission, click here for an online version	Each lesson will start with a 5 question quiz for retrieval. If you are not accessing the lesson through TEAMS transmission, click here for an online version	Each lesson will start with a 5 question quiz for retrieval. If you are not accessing the lesson through TEAMS transmission, click here for an online version	Each lesson will start with a 5 question quiz for retrieval. If you are not accessing the lesson through TEAMS transmission, click here for an online version	
New Learning	What you will be learning about this week	This week you will be starting the waves topic; <ul style="list-style-type: none">Recall from GCSE key information about wavesRecall and use the wave equationDescribe phase and path differences between two coherent waves	This week we will be learning about wave interaction; <ul style="list-style-type: none">Describe the conditions required for wave interferenceUse diagrams to show the resultant wave formed via constructive and destructive interferenceDescribe the phase and path difference required for specific interference effects	This week we will be learning about standing waves; <ul style="list-style-type: none">Recall wave interaction from previous lessonsDefine and describe standing wavesUse diagrams to explain the formation of standing wavesExplain how standing waves are used to produce notes from musical instruments		

	How we will teach you the new knowledge or ideas	Relevant lesson videos can be found here is there are no materials or work set via SMHW.		
	Activities that will help you learn and practice what you've been taught	Summarisation of revision notes into flashcards and practicing exam questions are strongly recommended. Model examples of flashcards and exam questions with answers can be found at "physicsandmathstutor.com"	Summarisation of revision notes into flashcards and practicing exam questions are strongly recommended. Model examples of flashcards and exam questions with answers can be found at "physicsandmathstutor.com"	Summarisation of revision notes into flashcards and practicing exam questions are strongly recommended. Model examples of flashcards and exam questions with answers can be found at "physicsandmathstutor.com"
	What you can do if you are stuck	If you are stuck, you can contact your physics teacher over SMHW, TEAMS or email and they will respond promptly. You can also use SENECA learning (here) for an alternative description of key ideas you might find useful. In addition, where possible, teachers will record their lessons on MS Teams which may allow you an alternative teaching method for the key ideas being taught.		

		W/C 15 th March	W/C 22 nd March	W/C 29 th March
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New Learning	What you will be learning about this week	This week you will be learning about wave behaviour in terms of Huygen's principle <ul style="list-style-type: none"> Recall the GCSE key ideas regarding wave behaviour <ul style="list-style-type: none"> Describe Huygen's principle and use them to describe different wave phenomena Use this to describe and explain Young's double slit experiemnt 	This week we will be learning about polarisation; <ul style="list-style-type: none"> Describe the process of polarisation Explain the use of polarisation in different contexts 	This week we will start learning about wave-particle duality; <ul style="list-style-type: none"> Summarise key behaviour about waves and particles Describe and explain the gold leaf electroscope experiment Describe the concept of wave-particle duality of light

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