

Curriculum Plan		Subject	Physics Triple	Year	10
Spring 1		W/C 10 th January	W/C 17 th January	W/C 24 th January	
How you will access home learning		You should check TEAMS at the start of your lesson. Here your teacher will give you instructions on how to access the work for this lesson. This will include: If and when you should join a live teams meeting, tasks to complete and links online learning resources. If a lesson PowerPoint is required for your work, this will be saved in the files section of the team.			
How you be able to interact with your teacher.		If you have any questions about your learning you should contact your teacher on teams by commenting on the post where they set you work			
Retrieval How we will help you to recall previously learnt knowledge		Each lesson will include a retrieval quiz. This quiz will primarily be on information from the previous lesson but can include questions from previous topics as the teacher feels is required.			
New Learning	What you will be learning about this week	<p>This week, you will be learning about wave types, properties of waves and key terms we will need for the rest of the topic;</p> <ul style="list-style-type: none"> • Describe what a wave is • Describe differences between longitudinal and transverse waves • Describe differences between mechanical and electromagnetic waves • Give examples of waves that can be described as such 	<p>This week, you will be learning about the wave equation and the electromagnetic spectrum;</p> <ul style="list-style-type: none"> • Identify and define the wavelength, frequency and amplitude of a wave • Label and use the wave equation • List, in order, the waves of the electromagnetic spectrum • Use Prefix form to describe very large and very small numbers 	<p>This week, you will be learning about waves in the context of ultrasound and seismic waves;</p> <ul style="list-style-type: none"> • Describe "ultrasound" and it's uses • Describe how ultrasound can be used for non-invasive scanning <ul style="list-style-type: none"> • List the advantages and disadvantages of ultrasound compared to x-rays • Describe how seismic waves can be analyse to give information about the earth 	
	How we will teach you the new knowledge or ideas	<p>Please use this link to access the video lesson for this part of the topic;</p> <p>https://web.microsoftstream.com/video/f6c7c81e-6e20-41d9-81e3-26f3a7fe6f0c</p>	<p>Please use this link to access the video lesson for this part of the topic;</p> <p>https://web.microsoftstream.com/video/41f373f2-b346-4c1a-8f4b-2b1647e9bd51</p>	<p>Please use this link to access the video lesson for this part of the topic;</p> <p>https://web.microsoftstream.com/video/01ecc23e-ef10-4580-a8c7-be5c16870735</p>	

	Activities that will help you learn and practice what you've been taught	The GCSE Physics textbook can be accessed online through Kerboodle. We also recommend completing quizzes on the SENECA learning platform. Reading through the relevant pages for a lesson help you learn the key points from that lesson. Your teacher will set practice activities, such as quick check questions and exam style questions, as part of each lesson.
	What you can do if you are stuck	If you have any problems understanding the content you should use the online textbook or Seneca platform to support you. If you are still stuck you should contact your teacher through TEAMS or via email.

		W/C 31st January	W/C 7 th February
How you will access home learning		You should check TEAMS at the start of your lesson. Here your teacher will give you instructions on how to access the work for this lesson. This will include: If and when you should join a live teams meeting, tasks to complete and links online learning resources. If a lesson PowerPoint is required for your work, this will be saved in the files section of the team.	
How you be able to interact with your teacher and gain feedback on your work		If you have any questions about your learning you should contact your teacher on teams by commenting on the post where they set you work	
Retrieval How we will help you to recall previously learnt knowledge		Each lesson will include a retrieval quiz. This quiz will primarily be on information from the previous lesson but can include questions from previous topics as the teacher feels is required.	
New Learning	What you will be learning about this week	This week you will learn about wave behaviour and phenomena; <ul style="list-style-type: none"> Recall key facts about reflection, refraction and diffraction from KS3 Describe the phenomena "total internal reflection" Define the key term "critical angle" and how it links to total internal reflection 	This week you will make a start on the magnetism and electromagnetism part of this topic; <ul style="list-style-type: none"> Recall past key ideas regarding magnets and electromagnets Describe the difference between permanent and induced magnets Produce flux diagrams to show magnetic fields
	How we will teach you the new knowledge or ideas	Please use this link to access the video lesson for this part of the topic; https://web.microsoftstream.com/video/78d019f9-d77b-4568-afd1-cc6150f8cbbf	Please use this link to access the video lesson for this part of the topic; https://web.microsoftstream.com/video/14375ff3-6b6e-4793-8521-dbeb6b2b02b9
	Activities that will help you learn and practice what you've been taught	The GCSE Physics textbook can be accessed online through Kerboodle. We also recommend completing quizzes on the SENECA learning platform. Reading through the relevant pages for a	

		lesson help you learn the key points from that lesson. Your teacher will set practice activities, such as quick check questions and exam style questions, as part of each lesson.
	What you can do if you are stuck	If you have any problems understanding the content you should use the online textbook or Seneca platform to support you. If you are still stuck you should contact your teacher through TEAMS or via email.