

Curriculum Plan		Subject	Physics	Year	10 (Triple)
Spring 2		W/C 22 <sup>nd</sup> February	W/C 1 <sup>st</sup> March	W/C 8 <sup>th</sup> March	
How you will access home learning		Where appropriate, your teacher will organise a live TEAMS transmission of your lesson. Please log in and engage with the lesson as much as possible. If you are unable to do so, your teacher will ensure work is set over SMHW for the week ahead,			
How you be able to interact with your teacher and gain feedback on your work		You will be able to contact your teacher and submit any work to them via email or SMHW. Feedback will be issued using these services or via MS teams. SMHW will be your first point of contact for any instructions from your teacher.			
<b>Retrieval</b> 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	
New Learning	What you will be learning about this week	This week you will be learning about Magnetism and electromagnetism; <ul style="list-style-type: none"><li>Recall key ideas form Y8 concerning magnetic fields</li><li>Describe the difference between induced and permanent magnets</li><li>Produce and describe magnetic flux diagrams</li></ul>	This week you will be learning about the motor effect; <ul style="list-style-type: none"><li>Describe the "right hand screw rule" of electromagnetism</li><li>Describe the "left hand rule", also known as the motor effect</li><li>Use relevant formulae to calculate the force</li></ul>	This week you will be learning about electromagnetic induction; <ul style="list-style-type: none"><li>Describe the process of electromagnetic induction</li><li>Describe and use relevant key terms</li><li>List factors that can increase the rate of EMF induction</li></ul>	

			<b>experienced by a wire in a magnetic field</b>	
	How we will teach you the new knowledge or ideas	A live lesson will be conducted by your Y11 teacher for you to engage in remotely. If no lesson is available, use this video lesson as a substitute; <a href="https://web.microsoftstream.com/video/14375ff3-6b6e-4793-8521-dbeb6b2b02b9">https://web.microsoftstream.com/video/14375ff3-6b6e-4793-8521-dbeb6b2b02b9</a>	A live lesson will be conducted by your Y11 teacher for you to engage in remotely. If no lesson is available, use this video lesson as a substitute; <a href="https://web.microsoftstream.com/video/6ff7ef90-b56a-499c-affb-d8f5415a6b00">https://web.microsoftstream.com/video/6ff7ef90-b56a-499c-affb-d8f5415a6b00</a>	A live lesson will be conducted by your Y11 teacher for you to engage in remotely. If no lesson is available, use this video lesson as a substitute; <a href="https://web.microsoftstream.com/video/0d7998b1-5b67-4d2f-9664-113c31c6eb7e">https://web.microsoftstream.com/video/0d7998b1-5b67-4d2f-9664-113c31c6eb7e</a>
	Activities that will help you learn and practice what you've been taught	It is important you review your answers and ask teachers for support/ use SENECA learning or other online resources to explain any area you found challenging on the exam.	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 <sup>th</sup> March	W/C 22 <sup>nd</sup> March	W/C 29 <sup>th</sup> March
How you will access home learning		Where appropriate, your teacher will organise a live TEAMS transmission of your lesson. Please log in and engage with the lesson as much as possible. If you are unable to do so, your teacher will ensure work is set over SMHW for the week ahead,		
How you be able to interact with your teacher and gain feedback on your work		You will be able to contact your teacher and submit any work to them via email or SMHW. Feedback will be issued using these services or via MS teams. SMHW will be your first point of contact for any instructions from your teacher.		
<b>Retrieval</b> 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. Log onto the correct channel at the time requested in your SMHW post. If no post is active and the teacher is absent, refer below for the relevant video lesson		
New Learning	What you will be learning about this week	This week you will be learning about Alternators, dynamos and other devices that use electromagnetic induction; <ul style="list-style-type: none"> <li>Recall key terms from the electromagnetism topic</li> <li>Recall key ideas from the electronics topic, specifically A.C and D.C electric signals</li> <li>Apply said key ideas in the context of an array of generators</li> </ul>	This week you will be learning about transformers and their use in the national grid; <ul style="list-style-type: none"> <li>Recap key ideas from Y9 - specifically the national grid</li> <li>Use ideas from the topic to describe the structure and function of electrical transformers</li> <li>Explain how transformers are used in the national grid to improve efficiency.</li> </ul>	This week will be a week of revision for everything you have learned so far.

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	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"	It is important you review your answers and ask teachers for support/ use SENECA learning or other online resources to explain any area you found challenging on the exam.	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"
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