| Curriculum Plan | | Subject | Physics | Year | 11T3 |
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| **Spring 2** | | **W/C 22nd February** | **W/C 1st March** | **W/C 8th 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<br><br>**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** | | | |
| 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 SMHW, MS Teams or email. Feedback will be issued using these services. SMHW will be your first point of contact for any instructions from your teacher. | | | |
| **Retrieval**<br>How we will help you to recall previously learnt knowledge | | Each lesson will start with 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. The teacher will also look at data from previous work and use this to recap key points and address issues. | | | |
| **New Learning** | What you will be learning about this week | **This week you are learning about:**<br>**Moments and gears**<br>• State what gears are<br>• Describe how gears work<br>• Determine multiplication factor of gear system | **This week you are learning about:**<br>**Momentum**<br>• Define momentum<br>• Recall and apply the equation for momentum<br>• Describe examples of conservation of momentum | **This week you are learning about:**<br>**Collisions and car safety**<br>• Describe difference between collisions and explosions<br>• Explain car safety features<br>• Calculate quantities using equations | |

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| | 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;<br><br>Moments and gears (thenational.academy) | 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;<br><br>Momentum (thenational.academy) | 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;<br><br>Collisions and car safety (thenational.academy) |
| | 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.<br><br>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.<br>You can access the Physics AQA 3rd Edition textbook on Kerboodle. | | |

| | | W/C 15th March | W/C 22nd March | W/C 29th March |
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| 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<br><br>**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** | | |
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| **New Learning** | What you will be learning about this week | **This week you are learning about:**<br>**Pressure**<br>• State what pressure is<br>• Calculate pressure<br>• Rearrange the pressure equation | **This week you are learning about:**<br>**Pressure in liquids**<br>• Calculate pressure at different depths<br>• Describe pressure in a column<br>• Factors affecting floating and sinking | **This week you are learning about:**<br>**Atmospheric pressure**<br>• Describe the Earth's atmosphere<br>• Describe atmospheric pressure<br>• Explain why atmospheric pressure varies with height |

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| | 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;<br><br>Pressure (thenational.academy) | 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;<br><br>Pressure in fluids (thenational.academy) | 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;<br><br>Atmospheric pressure (thenational.academy) |
| | 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.<br><br>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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