| Curriculum Plan | | Subject | Physics (Triple Award) | Year | 9 | | | |
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| | | W/C 22 nd February | W/C 1 st March | W/C 8 th March | | | | |
| How you will access home learning | | Work will be set via SMHW by the teacher. Any resources required will be included in the SMHW post or be accessible via a link include in the assignment. | | | | | | |
| How you be able to interact with your teacher and gain feedback on your work | | Primary contact will be via the chat function of SMHW or via email. There may be times where the teacher feels use of MS Teams can be used to teach a lesson or provide a platform for students to seek live support or feedback in their learning. | | | | | | |
| 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. It is expected that the quiz is attempted three times in order to gain the best score possible. | | | | | | |
| New Learning | What you will be learning about this week | Force and Acceleration: you will be learning about the relationships between force, mass and acceleration. You will learn how to use the equation Force = mass x acceleration | Force and Acceleration required practical. You will learn how to do this required practical. You will learn the method and answer questions about a given set of results from the practical. | Weight and terminal velocity You will learn to use the equation Weight = mass x gravity To find unknown weights or masses. Understand forces acting at terminal velocity are balanced | | | | |
| | How we will teach you the new knowledge or ideas | Powerpoint with activities for students to follow and attempt the questions, self-marking as they go. If the teacher is absent, watch this video on velocity time graphs: <u>Velocity: Time Graphs</u> (thenational.academy) | Powerpoint with activities for students to follow and attempt the questions, self-marking as they go. If the teacher is absent, watch this video on Newtons Laws of Motion: <u>Newton's Laws (thenational.academy)</u> | Powerpoint wit students to follow questions, self-ma If the teacher is video on Weight, <u>Weight, mas</u> <u>(thenation</u> | It with activities for follow and attempt the elf-marking as they go. er is absent, watch this eight, mass and gravity: <u>t, mass and gravity</u> mational.academy) | | | |

| | Activities that will help you learn and practice what you've been taught | The GCSE Physics textbook can be accessed online through the SENECA 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. | | | | |
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| | What you can do if you are stuck | Use of the SENECA platform is recommended, as well as reviewing videos in the GCSE video directory will help clarify any areas of confusion. Teachers can be contacted via the MS TEAMS chat, the SMHW chat or email as required | | | | |
| Curriculum Plan | | | Subject | Physics (Triple Award) | Year | 9 |

| | | W/C 15 th March | W/C 22 nd March | W/C 29 th March | | |
|---|---|--|--|---|--|--|
| How you will access home learning | | Work will be set via SMHW by the teacher. Any resources required will be included in the SMHW post or be accessible via a link include in the assignment | | | | |
| How you be able to interact with your teacher and gain feedback on your work | | Primary contact will be via the chat function of SMHW or via email. There may be times where the teacher feels use of MS Teams can be used to teach a lesson or provide a platform for students to seek live support or feedback in their learning. | | | | |
| How recal | Retrieval we will help you to I 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. It is expected that the quiz is attempted three times in order to gain the best score possible. | | | | |
| New Learning | What you will be learning about this week | Forces and braking Stopping distances of vehicles Factors effecting reaction time & how to measure reactions | Force and elasticity Understand Hooke's Law and use the relationship: Force=spring constant x extension Calculate elastic store of energy for a stretched spring | Required practical - Investigating force and extension for a spring You will learn how to do this required practical. You will learn the method and answer questions about a given set of results from the practical. | | |
| | How we will teach you the new knowledge or ideas | Powerpoint with activities for students to follow and attempt the questions, self-marking as they go. If your teacher is absent, watch this video on stopping distances: <u>Stopping distance</u> (thenational.academy) | Powerpoint with activities for students to follow and attempt the questions, self-marking as they go. If your teacher is absent, watch this video on force and elasticity: Forces and elasticity (Part 1) (thenational.academy) | Powerpoint with activities for students to follow and attempt the questions, self- marking as they go. If your teacher is absent, watch this video on force and elasticity: <u>Forces and elasticity (Part 2)</u> (thenational.academy) | | |
| | Activities that will help you learn and practice what | The GCSE Physics textbook can be accessed online through the SENECA 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. | | | | |

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| | Use of the SENECA platform is recommended, as well as reviewing videos in the GCSE video directory will help |) |
| What you can do | clarify any areas of confusion. Teachers ca be contacted via the MS TEAMS chat, the SMHW chat or email as | , |
| if you are stuck | required. | |
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