

Curriculum Plan		Subject	Physics	Year	13
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 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 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 start the Thermodynamics Topic; <ul style="list-style-type: none"> Describe the three laws of Thermodynamics, including the key term "entropy" Recall the key terms and formulae expressions for "specific heat capacity" and "specific latent heat" 	This week we will be learning about the link between Internal energy, particle speed and temperature in a gas; <ul style="list-style-type: none"> Describe the energy distribution for the particles in a gas Derive an expression for the pressure in a gas based on particle speed Use this expression to describe the gas pressure laws 	This week we will be learning about the theoretical model for an "ideal gas"; <ul style="list-style-type: none"> Describe the conditions for an "ideal gas" Derive and use the "ideal gas equation", both in terms of N particles and mol of gas 	

	How we will teach you the new knowledge or ideas	Relevant notes and ppts for this lesson can be found here. You will need to make your own notes using these as a reference.	Relevant notes and ppts for this lesson can be found here. You will need to make your own notes using these as a reference.	Relevant notes and ppts for this lesson can be found here. You will need to make your own notes using these as a reference.
	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 TEAMS or email and they will respond promptly. You can also use the A level Physics textbook book 2 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 31 st 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.	
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New Learning	What you will be learning about this week	<p>This week is the assessment week. The main focus of the week's work is to undertake a paper 1 (A level) to give us an idea of where everyone is in relation to targets.</p> <p>Paper 1 content is:</p> <ul style="list-style-type: none"> • Working as a Physicist • Mechanics • Electric Circuits • Further Mechanics • Electric and Magnetic Fields 	<p>This week you will be finishing the Thermodynamics topic with the general laws concerning ideal gasses and black-body radiators;</p> <ul style="list-style-type: none"> • Define and describe the term "black body radiator" • Describe Wein's law and the Stefan-boltzmann law <p>The rest of this week is for consolidation and testing for the thermodynamics topic - you will be set additional summative questions and you are encouraged to use this time to finalise any notes and practice what you have learned.</p>

		<ul style="list-style-type: none"> • Nuclear and Particle Physics 	
	How we will teach you the new knowledge or ideas	This assessment is designed to demonstrate what students are already good at and what might be areas of weakness.	Relevant notes and ppts for this lesson can be found here. You will need to make your own notes using these as a reference.
	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"
	What you can do if you are stuck	<p>If you are stuck, you can contact your physics teacher over TEAMS or email and they will respond promptly. You can also use the A level Physics textbook book 2 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.</p>	