

Key Stage 5 Curriculum Map 2021-22

Year 13 A level Physics

Term 3

Subject: Physics	Year: 13		
Focus/Topic	UAE Links	HPL Links	Home Learning / Reading
<ul style="list-style-type: none"> 3.10.3 Magnetic flux and flux linkage 3.10.4 Electromagnetic induction 	<p>The use of magnets within the many hospitals within the UAE.</p> <p>Use of magnets in industry with construction and scrap in the UAE</p>	<p>VAA: Empathetic Collaborative: <i>The ability to seek out opportunities to receive responses to your work; present your own views and ideas clearly and concisely; listen to the views of others; be willing and able to work in teams; take a variety of roles and be able to evaluate your own ideas and contributions.</i></p> <p>ACP: Analysing Critical thinking: <i>The ability to deduct, hypothesise, reason, seek supporting evidence</i></p>	<p>Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.</p>
<ul style="list-style-type: none"> 3.10.5 Alternating currents 3.10.6 The operation of a transformer 	<p>The use of magnets within the many hospitals within the UAE.</p> <p>Use of magnets in industry with construction and scrap in the UAE</p>		<p>Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.</p>
<ul style="list-style-type: none"> 3.9.1 Capacitor charge and discharge 3.9.2 Exponential changes in radioactivity 	<p>UAE Nuclear Power station in Abu Dhabi</p>		<p>Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.</p>
<p>Revision of content taught and practical work:</p> <ul style="list-style-type: none"> 3.8.4 Capacitors 3.10.2 Moving charges in a magnetic field 3.9.2 Exponential changes in radioactivity 3.10.4 Electromagnetic induction 			<p>Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.</p>

<p>Revision of content taught and practical work:</p> <ul style="list-style-type: none"> • 3.6.1 Circular motion • 3.7.4 Orbits of planets and satellites • 3.10.5 Alternating currents • 3.12.3 Induced fission • 3.11.3 Ideal gases 			<p>Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.</p>
<p>Revision of content taught and practical work:</p> <ul style="list-style-type: none"> • 3.11.1 Energy transfer by heating and doing work • 3.13.1 Rotational motion • 3.12.1 Radius of the nucleus • 3.12.5 Nuclear fusion 		<p>VAA: Agile Open minded: <i>The ability to take an objective view of different ideas and beliefs; become more receptive to other ideas and beliefs based on the arguments of others; change ideas should there be compelling evidence to do so.</i></p>	<p>Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.</p>
<p>Revision of content taught and practical work:</p> <ul style="list-style-type: none"> • 3.1 Measurements and their errors • 3.11.3 Ideal gases • 13.1 Rotational motion • 3.10.6 The operation of a transformer • 3.2.9 Bulk properties of solids 		<p>ACP: Linking Connection finding: <i>The ability to use connections from past experiences to seek possible generalisations</i></p>	<p>Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.</p>

Physics Paper 3 – 31/05/2022

Drop in sessions will be made available on Thursdays after term 3 begins

Physics Paper 4 – 16/06/2022

Drop in sessions will be made available on Thursdays after term 3 begins

Physics Paper 5 – 22/06/2022

Drop in sessions will be made available on Thursdays after term 3 begins

End of Term 3