

Key Stage 4 Curriculum Map 2021 - 2022

Term 3

Subject: Physics	Year: 11		
Focus/Topic	UAE Links	HPL Links	Home Learning / Reading
<ul style="list-style-type: none"> • 3.7.1 ATOMIC STRUCTURE • 3.7.2 IONIZING RADIATION FROM THE NUCLEUS • 3.7.3 NUCLEAR FISSION, 3.7.4 NUCLEAR FUSION 	Power stations in the UAE	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>	Guided reading
<ul style="list-style-type: none"> • 3.8.1 LIFE CYCLE OF A STAR • 3.8.2 SOLAR SYSTEM AND ORBITAL MOTION • 3.8.3 RED SHIFT AND THE EXPANDING UNIVERSE 	UAE Mission To Mars		Guided reading
Paper 1 Revision <ul style="list-style-type: none"> • 3.1.2 Motion • 3.1.3 Resultant forces • 3.2.1 Forces and energy • 3.2.2 Energy transfers, conservation and dissipation of energy • 3.3.1 General properties of waves 		Students will be working together and collaborating with each other, sharing ideas and being empathetic. ACP: Analysing and linking Critical thinking: <i>The ability to deduct, hypothesise, reason, seek supporting evidence</i>	Guided reading
Paper 1 Revision <ul style="list-style-type: none"> • 3.3.6 Lenses and the eye • 3.6.2 Electricity transmission and distribution • 3.7.1 Atomic Structure • 3.8.3 Red shift and the expanding universe 		Students will work hard, analyse, link previous knowledge to new knowledge realise and create graphs, diagrams and answers to exam questions.	
Paper 2 Revision <ul style="list-style-type: none"> • 3.1.1 Forces and their interactions • 3.1.4 Momentum • 3.1.6 Forces and terminal velocity • 3.1.8 Moments and levers 			

<ul style="list-style-type: none"> • 3.2.1 Forces and energy • 3.2.2 Energy transfers, conservation and dissipation of energy 		Learners also have to link previous knowledge from Y10 to what they are learning in Y11.	
<p>Paper 2 Revision</p> <ul style="list-style-type: none"> • 3.3.4 Reflection • 3.4.1 Kinetic theory • 3.4.2 Energy transfers and particle motion • 3.5.1 Electrical circuits • 3.7.2 Ionizing radiation from the nucleus • 3.8.1 Life cycle of a star 			

IGCSE Physics Paper 1 – 11/05/2022

Drop in sessions for revision (Will be held every Thursday during term 3)

IGCSE Physics Paper 2 – 30/05/2022

Drop in sessions for revision (Will be held every Thursday during term 3)