

Key Stage 5 Curriculum Map 2019 - 2020

Term 2

Subject: Physics	Year: 12	
Focus/Topic	UAE Links	Home Learning / Reading
<ul style="list-style-type: none"> (DAR) Hooke's Law, Plastic and elastic behaviour (DEP) Young's Modulus RP 	How do we use properties of materials to build Burj Khalifa?	Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.
<ul style="list-style-type: none"> (DAR) Energy in elastic materials and Young's Modulus (DEP) Electricity - Kirchoff's Laws, Thermistors, LDR 	How does the UAE get its electricity?	
<ul style="list-style-type: none"> (DAR) Oscillations and Waves, Introduction to waves (DEP) Potential dividers 	What are the differences between the waves in the Arabian Gulf and light waves?	
<ul style="list-style-type: none"> (DAR) Wave speed, Polarisation (DEP) Power and energy 	How does the UAE get its electricity? Do you know anything about the new Nuclear Power Plant in Abu Dhabi?	
<ul style="list-style-type: none"> (DAR) Standing waves, Air columns (DEP) Resistance, resistivity 	How do we light the whole Dubai?	
<ul style="list-style-type: none"> (DAR) Diffraction single slit, Diffraction grating, Double slit (DEP) Internal resistance 	How do we make sure appliances do not overload in Dubai city centre?	
<ul style="list-style-type: none"> (DAR) Types of waves, Refraction (DEP) Total internal reflection, Fibre optics 	What are the differences between the waves in the Gulf of Oman and sound waves?	
Mid Term Break		
<ul style="list-style-type: none"> (DAR) Photoelectric effect, Photon Emission (DEP) Wave particle duality, spring RP 	What do you know about global dimming? Is this the case for Dubai?	Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.

<ul style="list-style-type: none"> • (DAR) Pendulum RP, Revision • (DEP) Revision 	Where do we use pendulums in the UAE?	Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.
<ul style="list-style-type: none"> • (DAR) Revision • (DEP) Revision 	How does the UAE get its electricity?	
	How do we use properties of materials to build Burj al Arab?	
Assessment Weeks		
Spring Break		