

## Key Stage 5 Curriculum Map 2020-21

### Year 13 A level Physics

#### Term 1

Subject: Biology	Year: 13	
Focus/Topic	UAE Links	Home Learning / Reading
<b>Baseline assessments, curriculum orientation and expectations</b>		
<ul style="list-style-type: none"> <li>• (DAR) Circular Motion, Centripetal Examples</li> <li>• (DEP) Internal energy and Temperature, SHC</li> </ul>	Ain Dubai observation wheel Type pressure at high temperatures in 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"> <li>• (DAR) Introduction to SHM, SHM</li> <li>• (DEP) SHC RP, Change of state</li> </ul>	Use of construction materials in 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"> <li>• (DAR) Pendulums, mass spring systems</li> <li>• (DEP) SLH, <math>PV = nRT</math> introduction, Kinetic theory of gases</li> </ul>	Formula Rossa roller coaster	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"> <li>• (DAR) Revision Thermal</li> <li>• (DEP) Revision SHM, Test</li> </ul>	N/A	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"> <li>• (DAR) Gravitational Fields</li> <li>• (DEP) Energy and Mass</li> </ul>	N/A	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"> <li>(DAR) Gravitational potential</li> <li>(DEP) Nuclear Radius, Binding Energy</li> </ul>	Barakah nuclear power plant	Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.
<b>Mid Term Break</b>		
<ul style="list-style-type: none"> <li>(DAR) Planetary fields</li> <li>(DEP) Fission and Fusion</li> </ul>	Hazza Al Mansouri UAE astronaut	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"> <li>(DAR) satellite motion</li> <li>(DEP) Nuclear Reactor</li> </ul>	Barakah nuclear power plant Hazza Al Mansouri UAE astronaut	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"> <li>(DAR) Intro to Electric fields</li> <li>(DEP) Intro to capacitors, Energy stored in a capacitor</li> </ul>	Electricity 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"> <li>(DAR) Electric Fields (Radial and Uniform)</li> <li>(DEP) Capacitor charge and discharge RP</li> </ul>	Electricity power stations 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"> <li>(DAR) Electrical Potential, Comparing Electric and gravitational fields</li> <li>(DEP) Revision Grav Fields</li> </ul>	N/A	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"> <li>(DAR) Revision Nuclear</li> <li>(DEP) Revision Electrical Fields, Capacitors</li> </ul>	N/A	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"><li>• (DAR) Test / Recap so far</li><li>• (DEP) Test / Recap so far</li></ul>	N/A	Booklet questions. Physics and maths tutor past papers and guided reading for every lesson. Always prepare the next lesson.
<b>Winter Break</b>		