

## 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
(DAR, DEP) Baseline assessments, curriculum orientation and expectations, Maths		
<ul style="list-style-type: none"> <li>• (DAR) Maths</li> <li>• (DEP) Vectors and Scalars, Equilibrium, Introducing Moments</li> </ul>	Cranes 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) Inside the atom, Stable and unstable nuclei</li> <li>• (DEP) Moments practical</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.
<ul style="list-style-type: none"> <li>• (DAR) Particles, antiparticles and photons, The discovery of the nucleus</li> <li>• (DEP) , Motion in a straight line, SUVATs,</li> </ul>	Barakah nuclear power plant Acceleration of 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) <math>\alpha, \beta, \gamma</math>, More on <math>\alpha, \beta, \gamma</math>, dangers of radioactivity</li> <li>• (DEP) Measuring g RP</li> </ul>	Nuclear energy 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) Radioactive decay, Uses of radioactive isotopes</li> <li>• (DEP) Projectile Motion</li> </ul>	Use of radioactive isotopes in medicine 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) Nuclear energy levels</li> <li>(DEP) Newton's Laws, Terminal Velocity</li> </ul>	Motion gate roller coasters	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) Radiation Assessment</li> <li>(DEP) Inclined Plane, Momentum</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) Density, Measuring materials skills</li> <li>(DEP) Conservation of Momentum, Impulse</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) Hooke's Law, Plastic and elastic behavior</li> <li>(DEP) GPE, KE, Work Done, Power</li> </ul>	Burj Khalifa, Ain Dubai observation wheel	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) Young's Modulus RP</li> <li>(DEP) Young's Modulus</li> </ul>	Burj Khalifa – tallest building in the world	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) Recap of mechanics and materials module</li> <li>(DEP) Recap of Matter and radiation</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.
<ul style="list-style-type: none"> <li>(DAR) Radiation Assessment</li> <li>(DEP) Inclined Plane, Momentum</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) Density, Measuring materials skills</li><li>• (DEP) Conservation of Momentum, Impulse</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>		