

Curriculum Overview

Subject: Physics

Year Group: 11



TERM 1	TERM 2	TERM 3
<p>KNOWLEDGE/SKILLS</p> <p>P15 -Electromagnetism (Fields, motor effect, transformers)</p> <p>P13- Electromagnetic waves (communication, X-rays in medicine)</p> <p>Personalised revision from Year 10 PPE</p> <p>Skills:</p> <ul style="list-style-type: none"> • AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. • AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. • AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures. 	<p>KNOWLEDGE/SKILLS</p> <p>P11- Force and pressure (atmospheric, floatation, surfaces)</p> <p>P14- Light (refraction, reflection, lenses)</p> <p>P16- Space (formation, stars, planets/satellites, red shift)</p> <p>Personalised revision from December PPE</p> <p>Skills:</p> <ul style="list-style-type: none"> • AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. • AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. • AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures. 	<p>KNOWLEDGE/SKILLS</p> <p>Personalised revision from Easter PPE</p> <p>Skills:</p> <ul style="list-style-type: none"> • AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures. • AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures. • AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.
<p>KEY ASSESSMENTS</p> <p>Half term 1: FIFA focus- Power, waves</p> <p>Half term 2: PPE paper 1</p>	<p>KEY ASSESSMENTS</p> <p>Half term 1: Paper 1 QLA test</p> <p>Half term 2: PPE paper 2</p>	<p>KEY ASSESSMENTS</p> <p>GCSE's</p>

Extended reading suggestions and external resources:

KS4 Bitesize Science <https://www.bbc.co.uk/bitesize/subjects/zpm6fg8>

Oak National Academy Lessons <https://classroom.thenational.academy/subjects-by-key-stage/key-stage-4/subjects/physics>

Chase High Youtube Playlists <https://www.youtube.com/channel/UCSK4ImJfi5sPH4UBp7cZtyQ>

We actively encourage students to read and research about the wider Scientific world- Planet Earth and Perfect Planet both on BBC iPlayer are examples of where students can engage with Science from the safety and comfort of their own homes.