

GCSE Combined Physics Paper 2 – FRIDAY 14TH JUNE 2024

Use your Y9, Y10 & Y11 exercise books , the online textbook and resources on Kerboodle to help you revise

Forces in Action

Forces in Balance

1. Vectors and Scalars
2. Forces between Objects
3. Resultant Forces
4. Centre of Mass
5. *The Parallelogram of Forces (HT only)*
6. *Resolution of Forces (HT only)*

Motion

1. Speed and Distance-Time Graphs
2. Velocity & Acceleration
3. More about Velocity-Time Graphs
4. Analysing Motion Graphs

Force & Motion

1. Force & Acceleration
2. Weight & Terminal Velocity
3. Forces and Braking
4. *Momentum (HT only)*
5. Forces and Elasticity

Waves, Electromagnetism and Space

Wave Properties

1. The Nature of Waves
2. The Properties of Waves
3. *Reflection and Refraction (HT only)*
4. More about Waves

Electromagnetic Waves

1. The Electromagnetic Spectrum
2. Light, Infrared, Microwaves and Radio Waves
3. Communications
4. Ultraviolet Waves, X-Rays and Gamma Rays
5. X-Rays in Medicine

Electromagnetism

1. Magnetic Fields
2. Magnetic Fields of Electric Currents
3. *The Motor Effect (HT only)*

Required Practicals

1. Investigate the relationship between force and extension for a spring
2. Investigate the relationship between force and acceleration
3. Investigating plane waves in a ripple tank and waves in a solid
4. Investigate infrared radiation

FOR SUMMER 2024 YOU WILL BE GIVEN THE FULL EQUATION SHEETS – MAKE SURE YOU KNOW HOW TO USE THESE