GCSE Physics Paper 2 – FRIDAY 14th JUNE 2024

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

Forces in Action

Forces in Balance

1. Vectors and Scalars
2. Forces Between Objects
3. Resultant Forces
4. Moments at Work
5. More about Levers and Gears
6. Centre of Mass
7. Moments and Equilibrium
8. *The Parallelogram of Forces (HT)*
9. *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. *Using Conservation of Momentum (HT only)*
6. *Impact Forces (HT only)*
7. *Safety First (HT only)*
8. Forces and Elasticity

Forces & Pressure

1. Pressure and Surfaces
2. *Pressure in a Liquid at Rest (HT only)*
3. Atmospheric Pressure
4. *Upthrust and Flotation*

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
5. *Sound Waves (HT only)*
6. *The Uses of Ultrasound (HT only)*
7. *Seismic Waves (HT only)*

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

Light

1. Reflection of Light
2. Refraction of Light
3. Light and Colour
4. Lenses
5. Using Lenses

Electromagnetism

1. Magnetic Fields
2. Magnetic Fields of Electric Currents
3. Electromagnets in Devices
4. *The Motor Effect (HT only)*
5. *The Generator Effect (HT only)*
6. *The Alternating-Current Generator (HT only)*
7. *Transformers (HT only)*
8. *Transformers in Action (HT only)*

Space

1. Formation of the Solar System
2. The Life History of a Star
3. Planets, Satellites and Orbits
4. The Expanding Universe
5. The Beginning and Future of the Universe

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 the reflection and refraction of light
5. Investigate infrared radiation

EQUATION SHEETS WILL BE PROVIDED FOR THE SUMMER 2024 EXAMS – MAKE SURE YOU KNOW HOW TO USE THEM