

GCSE Combined Science : Physics Paper 1 – WEDNESDAY 22nd MAY 2024

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

Energy & Energy Resources

Conservation & Dissipation of Energy

1. Changes in Energy Stores
2. Conservation of Energy
3. Energy & Work
4. Gravitational Potential Energy Stores
5. Kinetic Energy & Elastic Energy Stores
6. Energy Dissipation
7. Energy & Efficiency
8. Electrical Appliances
9. Energy & Power

Energy Transfer by Heating

1. Energy Transfer by Conduction
2. Specific Heat Capacity
3. Heating & Insulating Buildings

Energy Resources

1. Energy Demands
2. Energy from Wind & Water
3. Power from the Sun & Earth
4. Energy & the Environment
5. Big Energy Issues

Particles at Work

Electric Circuits

1. Current & Charge
2. Potential Difference & Resistance
3. Component Characteristics
4. Series Circuits
5. Parallel Circuits

Electricity in the Home

1. Alternating Current
2. Cables & Plugs
3. Electrical Power & Potential Difference
4. Electrical Currents & Energy Transfer
5. Appliances & Efficiency

Molecules and Matter

1. Density
2. States of Matter
3. Changes of State
4. Internal Energy
5. Specific Latent Heat
6. Gas Pressure & Temperature

Radioactivity

1. Atoms & Radiation
2. The Discovery of the Nucleus
3. Changes in the Nucleus
4. More about alpha, beta & gamma radiation
5. Activity & Half-life

Required Practicals

1. Determining Specific Heat Capacity
2. Investigating Resistance
3. Investigating Electrical Components
4. Calculating Densities

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