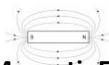


Netherhall School

LEARNING ROADMAP



GCSE

Y11

Y10

Y9

Y8

Y7

U8. Solar System U7. Magnetic Fields U6. Waves U5. Newtons Laws U5. Moments, Levers & Gears

U8. Red Shift U7. Transformers U6. Visible Light U5. Reaction Times U5. Forces & Elasticity U5. Scalar & Vectors

U8. Orbits U7. Generator Effect U6. Lenses U5. Stopping Distances

U7. Flemings Left-hand Rule U6. EM Spectrum U5. Acceleration



U1. Energy Stores & Systems

U1. Specific Heat Capacity
 $q = m \times C_p \times \Delta T$
 Heat (J) Mass (g) Temperature change (°C)
 Specific heat capacity (J/g.°C)

Energy Transfers

U2. DC & AC

U3. Changing State

U4. Half Lives

U1. Efficiency

U2. Mains Electricity

U3. Particle Model

U1. Non-renewable & Renewable Energy

U2. National Grid

U3. SHC

U4. Radioactive Decay

U4. Nuclear Fission

U2. Circuit Diagrams

U2. Series & Parallel Circuits

U4. Structure of the Atom

U4. Nuclear Fusion

Pressure in Liquids & Gases

Pressure in Solids

Levers

Turning Forces

Stretching & Squashing

Friction

Identifying Forces

Balancing Forces

Measuring Forces

Motion Graphs

Echoes & Ultrasound

Speed of Sound

Loudness & Pitch

Speed

Gravity

Wave Properties

Detecting Sound

Magnets & Magnetism

Magnetic Fields

Refraction

Camera

Heating & Cooling

Electromagnets

Reflection

Coloured Light

Lives of Stars

Space Travel

Solar System

Earth, Sun & Moon

The Universe

Series & Parallel

Resistance

Energy Stores & Transfers

Work Done

Moon Craters Investigation

Circuits & Current

Potential difference

Energy Costs

Energy & Power

PHYSICS

