



# Trilogy Physics KS4 Learning Journey

YEAR

12

## GCSE Electromagnetism

How magnets work, motor effect, magnetic fields.

Motion graphs, acceleration, SUVAT, terminal velocity, momentum, car safety.

## GCSE Waves

Wave types, wave properties, EM spectrum; its uses and dangers.

## GCSE Motion

Motion graphs, acceleration, SUVAT, terminal velocity, momentum, car safety.

## GCSE Forces

YEAR

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## GCSE Radiation

Atoms, isotopes, types of radiation, fission, fusion, half-life and radiation uses.

## GCSE Electricity

Circuit symbols, charge, current, voltage, resistance, power, circuit types and domestic electricity.

## GCSE Particles

Solids, liquids and gases. State changes, density, specific heat capacity, latent heat and insulation

YEAR

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## GCSE

Energy stores, energy transfers, calculating energy changes, power and efficiency.

## GCSE energy resources

Energy usage and how it is affected by political, economic and scientific issues. The environmental impact of using energy, how renewable and non-renewable energy sources and the advantages and disadvantages of using them.

YEAR

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