

# KS3 Curriculum Overview – Physics 2022

Year  
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## Energy

- Energy from food
- Energy Transfers
- Fuels
- Other Energy
- Using Resources

## Current Electricity

- Switches and Current
- Models for circuits
- Series and Parallel
- Changing the Current
- Using Electricity

## Forces

- Different Forces
- Springs
- Friction
- Pressure
- Balanced and Unbalanced

## Sound

- Making Sounds
- Moving Sounds
- Detecting Sounds
- Using Sound
- Comparing Waves

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## Fluids

- Particle Model
- Changing State
- Pressure
- Floating
- Drag

## Light

- Moving Light
- Reflection
- Refraction
- Camera and eyes
- Colour

## Energy Transfers

- Temperature Change
- Transferring Energy
- Controlling Transfers
- Power and Efficiency
- Paying for Electricity

## Earth and Space

- Gathering the Evidence
- Seasons
- Magnetic Earth
- Gravity in Space
- Beyond the Solar System

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## Forces and Motion

- Forces and movement
- Energy and movement
- Speed
- Turning Forces
- More Machines

## Force Fields and electromagnets

- Force Fields
- Static Electricity
- Current Electricity
- Resistance
- Electromagnets
- Force Fields

## Conservation of Energy

- Energy changes
- Efficiency
- Insulation

## Generating Electricity

- Renewable energy resources
- Non-renewable energy resources

# KS4 Curriculum Overview – Physics 2022



## Specification at a glance

- 1. Energy
- 2. Electricity
- 3. Particle model of matter
- 4. Atomic structure
- 5. Forces
- 6. Waves
- 7. Magnetism and electromagnetism
- 8. Space physics (physics only)

