KS3 Curriculum Overview – Physics

Year 7

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

Year 8

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

Year 9

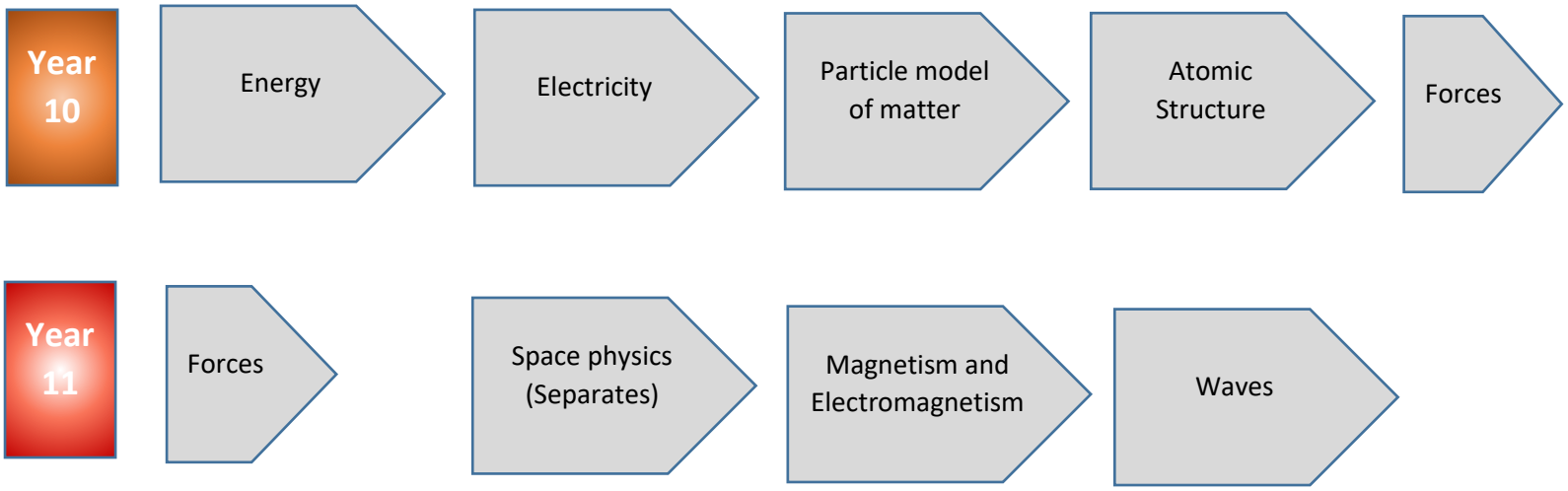
Forces and Motion
- Forces and movement
- Energy and movement
- Speed
- Turning Forces
- More Machines

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

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)