

Ks3 science overview

| Year | Topic | Term | Content | Science |
|------|-------------------------------------|----------------------|--|-----------|
| 7 | Science Skills | Autumn | Lab safety and basic experimental skills | All |
| 7 | Waves 1 | Autumn/Spring | Sound & Light | Physics |
| 7 | Organisms 1 | Autumn/Spring | Cells & Movement | Biology |
| 7 | Reactions 1 | Autumn/Spring | Acid/alkalis & metals /non-metals | Chemistry |
| 7 | Project | Spring | Used to assess planning and experimental skills | All |
| 7 | Forces 1 | Spring/Summer | Speed & Gravity/Space | Physics |
| 7 | Matter 1 | Spring/Summer | Particles & Solids, liquids and Gases | Chemistry |
| 7 | Ecosystems 1 | Spring/Summer | Interdependence & sampling | Biology |
| 7 | Project/ Assessment | Spring/Summer | Assessment of planning & experimental skills | All |
| 8 | Electricity | Autumn/Spring | Circuits & Static electricity | Physics |
| 8 | Matter 2 | Autumn/Spring | Elements & The Periodic table | Chemistry |
| 8 | Organisms 2 | Autumn/Spring | Breathing, Digestion & Respiration | Biology |
| 8 | Energy 1 | Spring/Summer | Energy costs & Energy transfers | Physics |
| 8 | Forces 2 | Spring/Summer | Contact forces & Pressure | Physics |
| 8 | Genes 1 | Spring/Summer | Variation & Human reproduction | Biology |
| 8 | Earth 1 | Spring/Summer | Rocks & The rock cycle | Chemistry |
| 8 | Project/ Assessment | Summer | planning & experimental skills | All |
| 9 | Magnetism | Autumn | Magnets & Electromagnetism | Physics |
| 9 | Reactions 2 | Autumn | Chemical energy & Types of reaction | Chemistry |
| 9 | Earth 2 | Autumn | Climate & Earth's resources | Chemistry |
| 9 | Genes 2 | Autumn/Spring/Summer | Evolution & Inheritance | Biology |
| 9 | Climate project + GCSE chem topic 9 | Autumn/Spring | socially important topic that includes Biology, Chemistry & Physics. Linked in GCSE work | All |
| 9 | Energy 2 | Spring/Summer | Work & Heating/Cooling | Physics |
| 9 | Waves 2 | Spring/Summer | Uses of waves & electromagnetic spectrum | Physics |
| 9 | Ecosystems 2 | Spring/Summer | Photosynthesis | Biology |
| 9 | Project/ Assessment | Summer | Used to assess planning and experimental skills | All |