



# Science

Year: 8

*“Science is a way of thinking more than it is a body of knowledge”*

Carl Sagan

## Course content

Year 8 continues to develop and build on the six key concepts taught in Year 7—Cells, ecology, particles, reactions, forces and energy, applying the ideas to a wide range of topics. Alongside the development of theoretical knowledge pupils will develop practical scientific skills through a range of experimental activities.

### Skills developed

- Use of scientific equipment
- Planning scientific investigations
- Identifying variables in experiments
- Performing risk assessments
- Gathering and recording data
- Processing data
- Drawing conclusions
- Evaluating experiments

### Topics covered

- Drugs
- Rocks
- Astronomy
- Cell Specialisation
- Interdependence
- Elements
- Chemical Change
- Motion
- Heat
- Reproduction
- Environment
- Periodic Table
- Energy in Reactions
- Mechanics
- Light
- Microbes and Disease
- Materials
- Optics

For more information

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