



# Science

Year: 7

*“Science is the key to our future, and if you don’t believe in Science you’re holding everyone back”*

Bill Nye

## Course content

Year 7 focusses on the core knowledge areas of Science—Cells, Ecology, Particles, Reactions, Forces and Energy. Initially the pupils will study topics on each of these key ideas in turn and then, in later topics start looking at how to apply these more widely. 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

### For more information

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### Topics covered

- Cells
- Ecology
- Particles
- Reactions
- Forces
- Energy
- Respiration
- Evolution
- Physical Change
- Acids and Alkalis
- Non-contact forces
- Electricity

