



Year 8 Science

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topics	Biology A - Cells	Chemistry A - Particles	Physics A - Energy and forces	Biology B - Interdependence	Chemistry B - Reactions	Physics B - Electromagnetism
Assessment	End of unit synoptic assessment (Section A: Biology A content; Section B: skills content)	End of unit synoptic assessment (Section A: Chemistry A content; Section B: Biology A and skills content)	End of unit synoptic assessment (Section A: Physics A content; Section B: Biology A and Chemistry A)	End of unit synoptic assessment (Section A: Biology B content; Section B: Biology A, Chemistry A, Physics A)	End of unit synoptic assessment (Section A: Chemistry B content; Section B: Biology A, Chemistry A, Physics A, Biology B)	End of unit synoptic assessment (Section A: Physics B content; Section B: Biology A, Chemistry A, Physics A, Biology B, Chemistry B). End of year skills exam

Building on Prior Learning	Prior knowledge of life processes, habitats, particles and energy. End of unit assessments are synoptic assessing content taught throughout the year. Learning components at the start of lessons remind students of prior learning and point out links to previous topics.
Links with other subjects	Maths – fractions, percentages, graphs, calculating means, use of equations. Food – following methods, importance of nutrition. English – comprehension and literacy skills. PE – the benefits of exercise.
Extracurricular opportunities	STEM Ambassadors will make visits to school. Themed activities for British Science Week. Space extravaganza week held in collaboration with Science and Technology Facilities Council.
A successful learner in this subject will demonstrate	Students will have made a successful transition into secondary Science; working independently, with practical dexterity, good organisation and efficient time management. Students will have developed a solid foundation relating to the fundamental ideas and working scientifically.
Impact on personal development	Science will help students to become logical thinkers and problem solvers with a better understanding of the world around them. Demonstrating resilience and the ability to consider moral and ethical implications of scientific developments.

Ways to support student learning in this subject
<ul style="list-style-type: none"> • Encourage the completion of homework. • Encourage discussion of science issues that arise in the news. • Watch science documentaries together. • Discuss science lessons and their progress. • Encourage a positive attitude towards science.