

## Science @ Brownhill Long Term Plan

Year 1 -2023-24

Year 2 - 2021-22, 2024-25

Year 3 - 2022-23, 2025-26

### Key Stage 3

Key stage 3 works on a rolling three-year programme

	Autumn 1 - Chemistry	Autumn 2 - Physics	Spring 1 - Biology	Spring 2 - Chemistry	Summer 1 - Physics	Summer 2 - Biology
Year 1	Structure of the Earth	Space	Relationships	Materials	Electricity	Human Biology
Year 2	The Environment	Forces	Reproduction	Chemical Reactions	Energy	Health
Year 3	Atoms and Elements	Magnetism	Genetics	Separating Materials	Waves	Cells

### Key stage 4 Entry Level

Entry level science is done usually by year 10 over the course of one year

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Biology 1 Cells, genetics, inheritance and modification	Biology 2 Health, disease and the development of medicines	Chemistry 1 Atoms, compounds and states of matter	Chemistry 2 Separating mixtures and acids and alkalis	Physics 1 Forces, movement and energy	Physics 2 Waves and radiation

### Key stage 4 IGCSE Biology

IGCSE Biology is mainly done by year 11 in the achievement pathway and by year 10 in the performance pathway.

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
IGCSE Biology Chapters 1 to 6	IGCSE Biology Chapters 7 to 12	IGCSE Biology Chapters 13 to 17	IGCSE Biology Chapters 18 to 22	Revision and exams	Revision and exams

### Key stage 4 IGCSE Physics

IGCSE Physics will be studied by year 11 in the performance pathway.

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
IGCSE Physics Chapter 1 and 2	IGCSE Physics Chapter 3 and 4	IGCSE Physics Chapter 5 and 6	IGCSE Physics Chapter 7 and 8	Revision and exams	Revision and exams