

Half Term	Substantive Knowledge Content
7s Autumn 1	Cell Biology
7s Autumn 2	Atomic Structure
7s Spring 1	Energy Stores
7s Spring 2	Organisation
7s Summer 1	Bonding
7s Summer 2	Electricity
8s Autumn 1	Homeostasis
8s Autumn 2	Chemical Changes
8s Spring 1	Energy Changes
8s Spring 2	Inheritance
8s Summer 1	Forces
8s Summer 2	Ecology
9s Autumn 1	Resources
9s Autumn 2	Waves
9s Spring 1	Cell Biology
9s Spring 2	Atomic Structure
9s Summer 1	Energy Stores
9s Summer 2	Organisation
10s Autumn 1	Bonding
10s Autumn 2	Electricity
10s Spring 1	Homeostasis
10s Spring 2	Chemical Changes
10s Summer 1	Energy Changes
10s Summer 2	Inheritance
11s Autumn 1	Forces
11s Autumn 2	Ecology
11s Spring 1	Resources
11s Spring 2	Waves

Disciplinary Knowledge Strand

Experimental procedures & risks (assessments)

Maths in Science

Evaluating methods

Scientific apparatus

Hypotheses & predictions

Repeatability, reproducibility & peer review

Use of models

Sources of error

Scientific evidence & statistical analysis

Ethical issues & limitations in science

SI units

Sampling

Pattern seeking, validity & conclusions

Accuracy & precision & sources of error

Maths in Science

SI units

Sources of error

Scientific evidence & statistical analysis

Accuracy & precision

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Experimental procedures & risks (assessments)

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