Assessment

Individual end of topic tests

using past exam questions

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Periodic table project and

energy resources project

Summer assessment covering

all topics taught in year 9.

assessment.

assessment

Extended writing practical skills

Topics

Cells

Atoms

Forces

Cells Atoms

Forces

Waves

Maths for Science

Practical skills

Practical skills

Practical skills Health and disease

Practical skills

Periodic table

Periodic table

Energy resources

Personalised FBI work

Energy resources

Ecology

Ecology

Rates of reaction Waves

Health and disease

Rates of reaction

Term

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

What are the aims and intentions of this curriculum?

Knowledge covered

graphs

reactions

behaviour

transport in cells

Maths - size and scale, rounding, averages, algebra,

Cells - types of cell, cell structures, microscopy,

Atoms - models of atoms, structures, electrons,

Forces - Vectors, resultant forces, weight, elastic

Disease - types of disease, spread, human defence,

temperature, surface area, catalysts, collision theory,

Waves - properties, EM spectrum, refraction, wave

Ecology - classification, communities, biodiversity,

adaptations, cycling of materials, human impacts

Energy resources - renewable and non-renewable

Periodic table - development, organisation, groups and

sources, how they produce electricity, advantages and

Rates - Measuring rate, Effects of concentration,

vaccinations, drug development

experiments, wave equations

industrial importance

periods, reactivity

disadvantages

Beginning the GCSE Science course (AQA) with links to topics covered in years 7 and 8, building on knowledge and understanding of key ideas. A big focus on
mathematical and practical skills that students will use throughout their GCSE course.

Skills developed

Graph plotting and analysis.

analysing graphs.

analysing graphs.

Using and rearranging equations

Use of standard form and significant figures.

Drawing and annotating scientific diagrams

Practical skills - planning investigations using correct

reliability. Collecting valid results. Plotting and

terminology for variables. Understanding accuracy and

Practical skills - planning investigations using correct

EBI work - developing skills and knowledge covered

over the year so far that are shown to be areas of

reliability. Collecting valid results. Plotting and

Ecology - sampling techniques and statistics

weakness, based on QLA from assessment

terminology for variables. Understanding accuracy and

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Beginning the GCSE Science course (AQA) with links to top
mathematical and practical skills that students will use through