

LONG TERM PLANS

Year Overview

Science Faculty

YEAR 8

Autumn term

The autumn term assessment will take place in the fortnight before the Christmas Holidays and will cover:

Ecosystems, Adaptation and Inheritance

Leaves and photosynthesis
Respiration (aerobic and anaerobic)
Chemosynthesis
Food chains, webs and ecosystems
Variation and inheritance
Natural selection and extinction
Competition and adaptation

[End of topic test, Literacy and Numeracy task]

Periodic Table and Separation

Metals and non-metals
Groups and periods
Group 1, 7 and 0
Mixtures and solutions
Filtration, evaporation, distillation and chromatography

[End of topic test, Literacy and Numeracy task]

Electricity

Circuits
Current and Potential Difference
Series and Parallel
Resistance
Magnets and electromagnets

[End of topic test, Literacy and Numeracy task]

Spring term

The spring term assessment will take place in the fortnight before the Easter Holidays and will cover:

Health and Lifestyle

Nutrition, unhealthy diets and food tests
Digestive system
Bacteria and enzymes in digestion
Drugs
Alcohol
Smoking

[End of topic test, Literacy and Numeracy task]

Metals and Acids

Acids and metals
Metals and oxygen
Metals and water
Displacement reactions
Polymers, ceramics and composites
Extracting metals

[End of topic test, Literacy and Numeracy task]

Energy

Food and fuels
Conduction, convection and radiation
Energy resources
Work, energy and machines

[End of topic test, Literacy and Numeracy task]

Summer term

The End of Year Assessment will take place towards the end of May and will cover:

<p>The Earth The atmosphere Sedimentary rocks Igneous and metamorphic rocks Rock cycle Climate change Carbon cycle Recycling <i>[End of topic test, Literacy and Numeracy task]</i></p>	<p>Motion and Pressure Speed Motion graphs Pressure in fluids Pressure on solids Turning forces <i>[End of topic test, Literacy and Numeracy task]</i></p>	<p>Intervention and Enrichment</p>
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