

Science - Long Term Plans

Rationale - This Science curriculum is designed to allow students to learn concepts in a differentiated structure depending on student capacity and ability level, as it is designed to follow either the AQA Entry Level or ELC Entry Level qualification structure. This follows the concept of the Continuum Curriculum, as students with spiky profiles may find that they may move between difficulty levels depending on unit.

This curriculum is supported by Hamilton Trust science resources that align with years 4-6, providing students with access to content and information in a way that is easily differentiated and provides scaffolding to understanding.

The scheme is organised into three 12-week terms (Autumn, Spring, Summer). Each unit incorporates real-life, practical contexts and functional experiments.

Students will be assessed within each unit using [this rubric](#) which allows for student understanding and achievement to be measured both by content acquisition and quality of interaction and exploration of practical experiments.

Science	Topic	Links
Biology AQA	Human body	https://www.aqa.org.uk/programmes/unit-award-scheme/unit-details?unit=15200 Y6: https://www.hamilton-trust.org.uk/science/year-6-science/art-being-human/ Y3/4: https://www.hamilton-trust.org.uk/science/year-34-science/fit-success/
Biology ELC	Human body	https://www.aqa.org.uk/subjects/science/elc/science-5960/specification/subject-content/component-1-biology-the-human-body
Chemistry AQA	Elements, mixture, compounds	https://www.aqa.org.uk/programmes/unit-award-scheme/unit-details?unit=15202 Y6: https://www.hamilton-trust.org.uk/science/year-5-science/changes-materials-changing-materials-education-pack/ Y4: https://www.hamilton-trust.org.uk/science/year-4-science/states-matter-states-matter-scientists/

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Chemistry ELC	Elements, mixture, compounds	https://www.aqa.org.uk/subjects/science/elc/science-5960/specification/subject-content/component-3-chemistry-elements-mixtures-and-compounds
Physics AQA	Electricity, magnetism, wires	https://www.aqa.org.uk/programmes/unit-award-scheme/unit-details?unit=108068 Y6: https://www.hamilton-trust.org.uk/science/year-6-science/electric-celebrations/ Y4: https://www.hamilton-trust.org.uk/science/year-4-science/electricity-its-electric/
Physics ELC	Electricity, magnetism, wires	https://www.aqa.org.uk/subjects/science/elc/science-5960/specification/subject-content/component-6-physics-electricity-magnetism-and-waves