

Curriculum Content

Science in S1 and S2 is structured around five key themes: **Health, Engineering, Sustainability, Exploration, and Forensics**. Each theme provides a different perspective on scientific principles while highlighting their real-world applications in key employability sectors. By exploring how science is used in healthcare, engineering, environmental science, space exploration, and forensic investigation, learners develop a broad understanding of scientific concepts and their relevance to future careers.

Health:

This unit focuses on how body systems function and how lifestyle choices impact health.

Engineering:

This unit looks at how electrical circuits work and the principles of charge and energy transfer.

Sustainability:

This unit investigates sustainable food production, the role of plants in ecosystems and the impact of human activity on the environment.

Exploration:

This unit delves into space exploration, the forces governing the universe and the properties of light.

Forensics:

This unit explores forensic techniques used to analyse evidence and identify individuals.

Assessment

Formative Assessment

- Quizzes
- Research Tasks
- Posters
- Presentations
- Practical Tasks
- Class Discussions
- Class Work
- Mini Whiteboards
- Plenaries
- Peer/Self Assessment













Summative Assessment

1x Summative Assessment per unit.

Click the links to learn more about formative and summative assessment approaches:

- ⇒ [Updated guidance on assessment within the broad general education](#)
- ⇒ [Bing Videos](#)

Meta-skills

Self-management	Focusing		
	Integrity		
	Adapting		
	Initiative		
Social Intelligence	Communicating		✓
	Feeling		
	Collaborating		
	Leading		
Innovation	Curiosity		
	Sense-making		✓
	Creativity		
	Critical thinking		✓

To find out more detail about the meta skills learned in this curriculum area, please view the meta skills section on our school website.

Kindness

Respect

Ambition

UNCRC



Celebrating Success

Staff List

Mr Ryan King (PT)

Mr Matt Grehan

Mr Paul McNeill (Technician)

Add subject specific/photos
(examples of work/pupils)

WINCHBURGH ACADEMY



BGE Science

S2 Curriculum Overview