



Belconnen High School

COURSE OUTLINE Semester 2, 2026

Course Title: **9 Science PEP**

Faculty: **Science**

Faculty Head: Leanne Claridge

Description of Course

This semester students explain observable chemical processes in terms of changes in atomic structure, atomic rearrangement and mass. They explore how interactions within and between Earth's spheres affect the carbon cycle. Students develop an understanding of the role of publication and peer review in the development of scientific knowledge and the relationship between science, technologies and engineering. They have multiple opportunities to develop their skills in carrying out scientific investigations and communicating their ideas, findings and arguments to diverse audiences.

Learning Outcomes

- Explains how interactions within and between Earth's spheres affect the carbon cycle
- Explains observable chemical processes in terms of changes in atomic structure, atomic rearrangement and mass
- Explains the role of publication and peer review in the development of scientific knowledge and explains the relationship between science, technologies and engineering
- Analyses the different ways in which science and society are interconnected
- Describes how they have addressed any ethical and intercultural considerations when generating or using primary and secondary data
- Analyses the impact of assumptions and sources of error in methods and evaluates the validity of conclusions and claims
- Constructs logical arguments based on evidence to support conclusions and evaluate claims
- Selects and uses content, language and text features effectively to achieve their purpose when communicating their ideas, findings and arguments to specific audiences

Materials Required

Students will have access to a google classroom where class tasks and assessment items will be displayed, therefore a device is required. The assessment dates for this subject will appear on the students google calendar. Students can refer to the BHS Study Skills Guide and the BHS website for assistance with assessment tasks. The Assessment and Reporting Policy is available on the school website. Items Required Chromebook or suitable device Notebooks, pencil case and equipment.

Homework Required

Students will be expected to complete a variety of tasks outside of class time. This may include, teacher-set homework, research for tasks, revision for tests, review of class work and more.

Assessment Schedule

	Due Date	% Weighting
Chemistry test	17/08/2026	
Chemistry Investigation	07/09/2026	
Chemistry Ethics task	21/09/2026	
Global Systems booklet	21/11/2026	
Classwork ongoing	04/12/2026	