



Belconnen High School

COURSE OUTLINE Semester 2, 2026

Course Title: **10 Science PEP**
Faculty Head: Leanne Claridge

Faculty: **Science**

Description of Course

Students explain how Newton's laws describe motion and apply them to predict motion of objects in a system. They sequence key events in the origin and evolution of the universe and describe the supporting evidence for the Big Bang Theory. Students describe trends in patterns of global climate change and identify causal factors. They analyse the importance of publication and peer review in the development of scientific knowledge and analyse the relationship between science, technologies and engineering. Students plan and conduct safe, valid and reproducible investigations. They select and use content, language and text features effectively to achieve their purpose when communicating their ideas, findings and arguments to diverse audiences.

Learning Outcomes

- Sequences key events in the origin and evolution of the universe and describes the supporting evidence for the big bang theory
- Describes trends in patterns of global climate change and identifies causal factors
- Explains how Newton's laws describe motion and applies them to predict motion of objects in a system
- Analyses the importance of publication and peer review in the development of scientific knowledge and analyses the relationship between science, technologies and engineering
- Explains how they have addressed any ethical and intercultural considerations when generating or using primary and secondary data
- Selects and constructs effective representations to organise, process and summarise data and information
- Analyses and connects a variety of data and information to identify and explain patterns, trends, relationships and anomalies
- Evaluates the validity and reproducibility of methods, and the validity of conclusions and claims
- Constructs logical arguments based on analysis of a variety of 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 diverse 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
Physics test	17/08/2026	
Physics investigation	10/09/2026	
Cosmology research task	23/10/2026	
Global Systems debate	11/11/2026	
Classwork ongoing	04/12/2026	