



Belconnen High School

COURSE OUTLINE Semester 2, 2026

Course Title: **7 Science PEP**

Faculty: **Science**

Faculty Head: Leanne Claridge

Description of Course

This semester, Year 7 students have multiple opportunities to develop and demonstrate their skills in carrying out and reporting on scientific investigations, including through their Science Fair projects. They explore relationships in the Earth-sun-moon system and use models to predict and explain events. Students learn to represent and explain the effects of forces acting on objects. They explain how scientific responses are developed and can impact society, as well as investigating factors that lead to changes in scientific knowledge.

Learning Outcomes

- Models cycles in the Earth-sun-moon system and explains the effects of these cycles on Earth phenomena
- Represents and explains the effects of forces acting on objects
- Identifies the factors that can influence development of and lead to changes in scientific knowledge
- Explains how scientific responses are developed and can impact society
- Plans and conducts safe, reproducible investigations to test relationships and aspects of scientific models
- Adopts text structures to organise, develop and link ideas when writing and creating
- Identifies potential ethical issues and intercultural considerations required for field locations or use of secondary data
- Uses equipment to generate and record data with precision
- Selects and constructs appropriate representations to organise data and information
- Processes data and information and analyses it to describe patterns, trends and relationships
- Identifies possible sources of error in methods and identifies unanswered questions in conclusions and claims
- Identifies evidence to support their conclusions and constructs arguments to support or dispute claims
- Selects and uses language and text features appropriately for their purpose and audience when communicating their ideas and findings

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
Science Fair	21/08/2026	
Astronomy Presentation	21/09/2026	
Physics Test	04/11/2026	
Physics Investigation	27/11/2026	
Classwork ongoing	04/12/2026	