



# Belconnen High School

## COURSE OUTLINE Semester 2, 2026

Course Title: **10 Mathematics**  
Faculty Head: Abhinay Chand

Faculty: **Mathematics**

### Description of Course

This semester, students work with logarithmic scales to interpret large and small values. They solve practical problems involving surface area and volume and explore the impact of measurement errors and approximations in calculations. They also investigate problems related to right-angled triangles using Pythagoras' theorem and trigonometry and analyse networks to understand connections in real-world contexts.

### Learning Outcomes

- Recognises the effect of approximations of real numbers in repeated calculations
- Interprets and uses logarithmic scales representing small or large quantities or change in applied contexts
- Solves measurement problems involving surface area and volume of composite objects
- Applies Pythagoras' theorem and trigonometry to solve practical problems involving right-angled triangles
- Identifies the impact of measurement errors on the accuracy of results
- Interprets networks used to represent practical situations and describes connectedness

### 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, a notebook, pencil case and a calculator.

### 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 |
|---------------------------|------------|-------------|
| Logarithms Test           | 11/08/2026 |             |
| Measurement In Class Task | 08/09/2026 |             |
| Trigonometry Test         | 22/09/2026 |             |
| Networks Test             | 03/11/2026 |             |
| Classwork                 | 04/12/2026 |             |