



Belconnen High School

COURSE OUTLINE Semester 2, 2026

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

Description of Course

Goal: Developing our Maths skills. This semester we are focusing on multiplication, budgeting, place value understandings and time telling for real life application. Students have individual goals which range from developing understandings for regrouping in 2-digit subtraction to verbally explaining their steps when problem solving.

Ways we will do this:

- Maths games e.g. on paper similar to a board game
- small group and 1:1 explicit learning with an adult
- practise using maths strategies and methods
- real life situations where maths is used (Budgeting, schedules)
- independent check-ins on a maths skill (so we can plan our next goal)
- visual references to remind students of problem solving steps
- mainstream learning focus with adjustments (if/where appropriate)

Learning Outcomes

- Solves problems involving addition and subtraction of integers
- Expands binomial products, and factorises monic quadratic expressions
- Graphs quadratic functions and solves monic quadratic equations with integer roots algebraically
- Converts between 12- and 24-hour time
- Uses their understanding of place value to represent tenths and hundredths in decimal form and to multiply natural numbers by multiples of 10
- Uses integers to represent points on a number line and in the Cartesian plane
- Uses their proficiency with addition and multiplication facts to add and subtract, multiply and divide numbers efficiently
- Orders common fractions, giving reasons, and adds and subtracts fractions with related denominators
- Solves problems involving finding a fraction, decimal or percentage of a quantity and uses estimation to find approximate solutions to problems involving rational numbers and percentages
- Uses mathematical modelling to solve financial and other practical problems involving percentages and rational numbers, formulating and solving the problem, and justifying choices
- Counts and represents fractions on a number line
- Finds unknown values in numerical equations involving combinations of arithmetic operations
- Uses scaled instruments and appropriate units to measure length, mass, capacity and temperature
- Measures and approximates perimeters and areas
- Converts between common units of length, mass and capacity
- Represents the distribution of data involving 2 variables, using tables and scatter plots, and comments on possible association
- Locates an ordered pair in any one of the 4 quadrants on the Cartesian plane
- Applies conditional probability to solve problems involving compound events

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. PLEASE NOTE: We are planning to deliver all of these outcomes, as part of Inclusive Education we cannot guarantee all are delivered by the end of the reporting period as we conduct full learning cycles per outcome. Outcomes not taught will be left off students final report.

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. PLEASE NOTE: We are planning to deliver all of these outcomes, as part of Inclusive Education we cannot guarantee all are delivered by the end of the reporting period as we conduct full learning cycles per outcome. Outcomes not taught will be left off students final report.

Assessment Schedule

	Due Date	% Weighting
In-class work samples	20/11/2026	
In-class observations	20/11/2026	