



## CANBERRA HIGH SCHOOL - Learning overview for Term 3: Mathematics

During Term 1, Year 10 will explore financial mathematics: the relationship between simple and compound interest, how to calculate depreciation, growth and decay using formula and how to calculate income tax. In Algebra, they will identify the equations of parallel and perpendicular lines, solve equations and inequalities with a focus on working with algebraic fractions. Work and communication will occur in class and within your child's Mathematics Google Classroom. Accompanying the Google Classroom is the resource Hub (<http://bit.ly/CHSmathsyr10>). This is a website that has all the resources available throughout the term and it will be a valuable aid for your child's learning including students requiring support and those requiring extension and enrichment.

Week	Topic	Content/Activity/Tasks
1- Feb 1	<b>Financial Mathematics</b>	Review simple interest. Relate multiple applications of simple interest to understand and use the compound interest formula.
2- Feb 8		Apply different compounding periods and use the formula to calculate Principal, time and rate
3- Feb 15		Calculate depreciation, growth and decay. Assessment AST. Review Tax
4- Feb 22	<b>Linear Relationships,</b>	Review sketching linear relationships and gradients of straight lines.
5- March 1		Identify and write the equations of parallel and perpendicular lines.
6- March 8	<b>Equations and Inequalities</b>	Solve linear equations with a focus on equations with algebraic fractions
7- March 15		Solve linear inequalities and sketch solutions on a number line
8- March 22	<b>Revision and Assessment</b>	Revision and Term 1 Test
9- March 29		Solve Simultaneous equations