



## CANBERRA HIGH SCHOOL - Learning overview for Term 1: Mathematics

During Term 1, Year 10 will investigate financial maths including Compound Interest, and Linear relationships and Inequalities. Work and communication will occur in class and within your child's Mathematics Google Classroom. Accompanying the Google Classroom is the online resource Hub <http://bit.ly/Chttps://sites.google.com/ed.act.edu.au/chsmathsyr10/home?authuser=0HSmathsyr>. This website 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- Jan 31   | <b>Financial Mathematics</b>      | Review simple interest. Relate multiple applications of simple interest to understand and use the compound interest formula. |
| 2- Feb 7    |                                   | Apply different compounding periods and use the formula to calculate Principal, time and rate                                |
| 3- Feb 14   |                                   | Calculate depreciation, growth and decay. Assessment AST. Review Tax   |
| 4- Feb 21   | <b>Linear Relationships,</b>      | Review sketching linear relationships and gradients of straight lines.   |
| 5- Feb 28   |                                   | Identify and write the equations of parallel and perpendicular lines.  |
| 6- March 7  | <b>Equations and Inequalities</b> | Solve linear equations with a focus on equations with algebraic fractions  |
| 7- March 14 |                                   | Solve linear inequalities and sketch solutions on a number line  |
| 8- March 21 | <b>Revision and Assessment</b>    | Revision and Term 1 Test   |
| 9- March 28 | <b>Simultaneous Equations</b>     | Solve Simultaneous Equations graphically   |
| 10- April 4 |                                   | Solve Simultaneous Equations algebraically   |