

## Semester 1 Overview 2022

**10 Mathematics**

Term	Topic	Assessment
1	<p><b>Financial mathematics:</b> Simple and Compound interest.</p> <p><b>Trigonometry:</b> Pythagoras, Sine, Tan and Cosine ratios, angles of elevation and depression, compass bearings (only true bearings).</p> <p><b>Deductive geometry:</b> Proofs and theorems of angles, triangles and congruency, triangles and similarity, quadrilateral proofs.</p>	<p>One Lesson Test Week 9 (Tuesday 22nd March)</p>
2	<p><b>Algebraic Patterns:</b> Substitution, solving equations, algebraic fractions, solving simultaneous linear equations, expanding brackets.</p> <p><b>Linear equations:</b> plotting linear graphs, graphing linear graphs using <math>x</math> and <math>y</math> intercepts and gradient intercept, sketching linear graphs of the form <math>mx + c</math>, determining linear equations, understanding parallel and perpendicular lines.</p>	<p>One Lesson Test Week 9 (Tuesday 14<sup>th</sup> June)</p>