

Stage 2 General Mathematics: Overview 2019

Teacher: Kathy Keenan

Students demonstrate their learning through five Skills and Applications Tasks (40%) and two Mathematical Investigations (30%) for the school assessment, and a two hour external exam at the end of the year (30%).

Term 1	Topics	Assessment Tasks
Week 1-5	<p><u>TOPIC 6: Applied Geometry</u></p> <p>Subtopic 6.1: Right & Non-right Triangle Geometry Subtopic 6.2: Area and Volume</p> <p><i>non-examined topic</i></p>	<p>SAT 1</p> <p>Applied Geometry Test</p> <p>Calculator Permitted One side of an A4 page of handwritten notes permitted. 50 minutes</p>
Week 6-11	<p><u>TOPIC 1: Modelling with Linear Relationships</u></p> <p>Subtopic 1.1: Simultaneous Linear Equations Subtopic 1.2: Linear Programming</p> <p><i>non-examined topic</i></p>	<p>SAT 2</p> <p>Modelling with Linear Relationships Test</p> <p>Calculator permitted One side of an A4 page of handwritten notes permitted. 50 minutes</p>

Term 2	Topics	Assessment Tasks
Weeks 1-7	<p><u>TOPIC 4: Financial Models</u></p> <p>Subtopic 4.1: Models for Saving Subtopic 4.2: Models for Borrowing</p>	<p>SAT 3</p> <p>Financial Models Test</p> <p>Calculator permitted One side of an A4 page of handwritten notes permitted. 50 minutes</p> <p>Mathematical Investigation 1</p> <p>Minimising Interest Investigation</p> <p>3 weeks to complete Maximum of 12 single-sided A4 pages.</p> <p><i>RC5 Forming and testing of predictions</i></p>

<p>Term 2 Weeks 8 -10</p> <p>Term 3 Weeks 1-4</p>	<p><u>TOPIC 3: Statistical Models</u></p> <p>Subtopic 3.1: Bivariate Statistics Subtopic 3.2: The Normal Distribution</p>	<p>SAT 4</p> <p>Statistical Models Test Calculator permitted One side of an A4 page of handwritten notes permitted. 50 minutes</p> <p>Mathematical Investigation 2</p> <p>Correlation Investigation 3 weeks to complete Maximum of 12 single-sided A4 pages.</p> <p><i>RC5 Forming and testing of predictions</i></p>
<p>Term 3 Week 5-10</p>	<p><u>TOPIC 5: Discrete Models</u></p> <p>Subtopic 5.1: Discrete Random Variables Subtopic 5.2: The Bernoulli Distribution</p>	<p>SAT 5</p> <p>Discrete Models Test <u>No notes or calculator permitted</u> 50 minutes</p>

Term 4	Topics	Assessment Tasks
<p>Week 1-3</p>	<p><u>Exam Revision</u></p> <ul style="list-style-type: none"> • Topic 3: Statistical Models • Topic 4: Financial Models • Topic 5: Discrete Models 	
<p>Week 4</p>		<p>Friday 8th November 2019 9am (130 minutes) External 2-hour exam on topics 3,4 and 5.</p> <p>Access to electronic technology required.</p> <p>Students may refer to one unfolded A4 sheet (two sides) of hand-written notes.</p>

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