

# Year 7 Mathematics Scope and Sequence 2021

Semester 1					
DATA DRIVEN FOCUS AREAS					
<b>Topic</b>	Building Relational Capacity	Introduction to Algebra <b>MA4-8NA</b> Computations with Positive and Negative Integers <b>MA4-4NA</b>	Introduction to Statistics <b>MA4-19SP</b> <b>MA4-20SP</b>	Fractions, Decimals & Percentages with Applications <b>MA4-5NA</b>	Measurement of Length, Perimeter and Area <b>MA4-12MG</b> <b>MA4-13MG</b>
<b>Time</b>	<b>Wk 1</b>	<b>Wk 2-8</b>	<b>Wk 9-10</b>	<b>Wk 1-7</b>	<b>Wk 7-10</b>
<b>Concepts</b>		Generalises number properties to operate with algebraic expressions.  Compares, orders and calculates with integers, applying a range of strategies to aid computation.	Collects, represents and interprets single sets of data, using appropriate statistical displays.  Analyses single sets of data using measures of location and range.	Operates with fractions, decimals and percentages.	Calculates the perimeters of plane shapes and the circumferences of circles.  Uses formulas to calculate the areas of quadrilaterals and circles, and converts between units of area.
<b>Extension</b>		Indices MA4-9NA MA5.1-5NA		MA5.1-4NA MA5.1-4NA – Commission	MA5.1-8MG
<b>Revision</b>		Chapter 1,2,6,8 and 11(unit 1-10)	Chapter 14(unit 1 -13)	Chapters 4, 5 and 7	Chapter 13
<b>Assessment</b>			Week 9 Open Book Exam		Week 8 Assignment

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Semester 2						
DATA DRIVEN FOCUS AREAS						
<b>Topic</b>	Simple Equations <b>MA4-10NA</b>	Angle Relationships <b>MA4-18MG</b>	Introduction to the Cartesian Plane and Transformations <b>MA4-11NA</b>		Time <b>MA4-15MG</b>	Probability <b>MA4-21SP</b>
<b>Time</b>	<b>Wk 1-4</b>	<b>Wk 5-8</b>	<b>Wk 9-10</b>	<b>Wk 1-2</b>	<b>Wk 3-6</b>	<b>Wk 7-10</b>
<b>Concepts</b>	Uses algebraic techniques to solve simple linear and quadratic equations.	Identifies and uses angle relationships, including those related to transversals on sets of parallel lines	Creates and displays number patterns; graphs and analyses linear relationships; and performs transformations on the Cartesian Plane.		Performs time calculations of times that involves mixed units, and interprets time zones.	Represents probabilities of simple and compound events.
<b>Extension</b>	MA5.2-8NA				MA5.1-9MG	MA5.1-13SP
<b>Revision</b>	Chapter 9	C Chapter 3 (Units 1&2), 10 and 12	Chapter 3 (Unit 3-11) and Chapter 11 (Unit 11-16)		Teacher to supply	Chapter 14 (Unit 14-18)
<b>Assessment</b>			Week 9 Summary Sheet Examination			Week 9 Probability Assignment

**NOTE: The revision is referenced from the study guide available from the school office for \$16**