



# Programme of Study – Grade 6 (Year 7) Mathematics

	Theme	Overview of key learning to take place	How learning will be assessed
Term 2	Unit 3: Perimeter and area Unit 7: Algebra	<b>Unit 3: Perimeter and area</b>  a) I can draw and measure lines. b) I can find the perimeter of a shape. c) I can find the area of a shape by counting squares. d) I can find the perimeter of a rectangle by using perimeter = 2 lengths + 2 widths. e) I can find the area of a rectangle by using area = length x width  <b>Unit 7: Algebra</b>  a) I can write simple algebraic expressions. b) I can substitute numbers into algebraic expressions, such as $2n + 3$ . c) I can simplify algebraic expressions such as $2a + 5a$ . d) I can substitute values into simple formulae. e) I can construct formulae to show connections between variables.	<b>Examples of Formative Assessment to be used this term:</b> Question worksheets Exercise tasks  <b>Summative assessment</b> Assessment to take place 3 times this term. Week 4 - Online quiz Unit 3 and 7 Week 8 - Online quiz Unit 1 and 2 Week 12- End of term assessment TBC
Term 2	Unit 1: Using numbers Unit 2: Sequences Unit 9: Angles Unit 14: Equations	<b>Unit 1: Using numbers</b>  a) I can show my understanding of how the number line extends to include negative numbers. b) I can carry out addition and subtraction involving negative numbers. c) I can use my understanding of negative numbers to solve simple real-life problems.	Students will receive a mark for each assessment and personalised next steps for improvement

### **Unit 2: Sequences**

- a) I can find the output for a single function machine when I know the input value.
- b) I can find the output for a double function machine when I know the input value.
- c) I can write down a sequence, given the first term and a term-to-term rule.
- d) I can give the term-to-term rule for a sequence.
- e) I can find any term in a sequence, given the first term and a term-to-term rule.

### **Unit 9: Angles**

- a) I can use points of a compass.
- b) I can draw and measure angles.
- c) I can use the properties of simple 2D shapes and can solve simple problems about triangles and quadrilaterals.

### **Unit 14: Equations**

- a) I can solve simple equations that involve one operation.
- b) I can solve simple equations that involve two operations.
- c) I can set up and solve an equation for a simple real-life problem.