



# Year 7 – Summer term learning program

Depending on your current level of maths some students will need to review the KS2 lessons first.

More able students should complete additional lessons within each topic to extend themselves.

Lesson Number	Subject - Algebra	Complete	Score
	<b>Topic - Introduction to Algebra</b>		
1	Introduction to Basic Algebra Part 1		
2	Introduction to Basic Algebra Part 2		
	<b>Topic - Simplifying Expressions</b>		
3	Simplifying Expressions Part 1		
4	Simplifying Expressions Part 2		
5	Simplifying Expressions Part 3		
	<b>Topic - Simplifying Powers</b>		
6	Multiplying Powers		
	<b>Topic - Substituting Numbers into Formula</b>		
25	Substituting numbers into formula, part 1		
26	Substituting numbers into formula, part 2		
27	Substituting numbers into formula, part 3		
	<b>Topic - Sequences</b>		
37	Introduction to sequences		
38	Finding the Terms of a Sequence when you're given the $n^{\text{th}}$ term rule - Part 1		
39	Finding the Terms of a Sequence when you're given the $n^{\text{th}}$ term rule - Part 2		
40	Finding the $n^{\text{th}}$ term		
41	Finding a number in the sequence using the $n^{\text{th}}$ term rule		
	<b>Topic - Solving Equations</b>		
50	Solving equations, part 1		
51	Solving equations, part 2		
	<b>Topic - Solving Equations Using Number Machines (Easier method)</b>		
56	Solving equations, using number machines		
	<b>Topic - Inequalities</b>		
63	Introduction to inequalities		
	<b>Subject - Geometry and measures</b>		
	<b>Topic - Angles</b>		
50	Proving angles on a straight line add to 180		
51	Angles on a straight line		
52	Angles on a straight line - Common Mistake		
54	Proving the angles around a point add up to 360		
55	Angles around a point		
57	Finding angles in quadrilaterals		
58	Finding angles in a triangle		

59	Introduction to Isosceles triangles & finding the base angles		
60	Finding angles in Isosceles triangles		
62	Introduction to Equilateral triangles		
63	The 4 types of Triangles		
64	Vertically opposite angles		
	<b>Topic - Angles on Parallel Lines</b>		
67	Alternate angles on parallel lines		
68	Corresponding angles		
	<b>Topic - Measuring Angles</b>		
71	Introduction to the parts of a protractor		
72	How to use a protractor		
73	Exam tip for measuring difficult angles		
	<b>Topic - Polygons</b>		
74	Introduction to polygons		