

Maths KS3 Curriculum 2014-15

	Week beginning	Week	Year 7	Year 8
	1 st Sept	1	Bridges & Structures: team work, thinking strategically & systematically	N1: The Four Operations and Place Value
T	8 th Sept	2	Tessellations: starting with simple tessellating patterns and moving to the more complex	
E	15 th Sept	3		
R	22 nd Sept	4		
M	29 th Sept	5	Smarties: data handling investigations with links to number work and probability.	G1: Lines and Angles
	6 th Oct	6		
1	13 th Oct	7	Logic Skills: using logic to find solutions to problems and developing rules, using both words and algebra	P1: The Probability of Single Events
	20 nd Oct	8		
	Week beginning	Week	Term break	Term break
T	3 th Nov	1	Mobile Phones: comparing data on different phones & phone deals. Links to units of measurement and conversion between units.	A1: Sequences
E	10 th Nov	2		
R	17 th Nov	3	Area: A variety of investigations into area.	RPRC 1: Units of Measurement
M	24 th Nov	4		N2: Types of Number
	1 st Dec	5		
2	8 th Dec	6	Profit & Loss: the basic concepts of making (& losing) money	RPRC 2: Ratio and Proportion
	15 th Dec	7	~ Assessment ~	~ Assessment ~
	Week beginning	Week	Christmas	Break
T	5 th Jan	1	Symmetry: A range of activities based on different transformations.	G2: Area and Perimeter
E	12 th Jan	2		
R	19 th Jan	3	Days Out: decision making using reasoning & justifications; links to time & using timetables	A2: Algebraic Notation and Vocabulary
M	26 th Jan	4		
3	2 nd Feb	5	Lottery: investigating the probability of single and combined events through games of chance	P2: The Probability of Combined Events
	9 th Feb	6		RPRC 3: Rates of Change
	Week beginning	Week	Term break	Term break
T	23 rd Feb	1	Being negative: using directed numbers in context such as temperature	N3: Fractions, Decimals and Percentages
E	2 nd Mar	2		
R	9 th Mar	3	Car Sales: data collection, analysis and display	A3: Expressions, Equations and Formulae
M	16 th Mar	4		

4	23 rd Mar	5	~ Assessment ~	~ Assessment ~
	Week beginning	Week	Term break	Term break
T	13 th Apr	1	Ratio: introducing ratio & proportion	G3: Transformations
E	20 th Apr	2	2d Shapes: identifying / sorting/ classifying shapes; 2D & 3D shapes in everyday contexts.	S1: Analysing Data
R	27 th Apr	3		S2: Displaying Data
M	4 th May	4		
	11 th May	5	Algebra: writing & solving equations	N4: Rounding and Estimating
5	18 st May	6	Finance: spot the errors in financial number work	
	Week beginning	Week	Term break	Term break
T	1 st June	1	Probability: more investigations into probability	A4: Coordinates and Graphs
E	8 th June	2		
R	15 th June	3	Averages: practical reinforcement of averages work	G4: Lines and Angles Part 2
M	22 nd June	4		
	29 th July	5	~ Assessment ~	~ Assessment~
6	6 th July	6	Activities Week	
	13 th July	7	Limping Seagulls: paper folding to create geometric patterns and 3D shapes	Creative Geometry
	Summer	Holiday	Summer	Holiday

Notes:

Year 7

The main aims of the Year 7 curriculum are to:

- **Alter pupils' perception of maths – real life applications & fun!**
- **Develop independent thinking skills**
- **Make links between different topics**

The curriculum is split into units that cover work on number, shape and space, algebra and data handling. Lessons will be a mix of pupils engaged in **rich tasks** (investigations and group work) and **toolkit lessons** which link directly to the maths that is required for the tasks. The practice of maths skills should come through the tasks so that pupils can see the point of the maths.

Year 8

A: Algebra

G: Geometry

N: Number

P: Probability

RPRC: Ratio, Proportion and Rates of Change

S: Statistics