



Subject	Year	Term
Maths	7	2
Topic		
Equations; Data; Probability; Transformations; Graphs & Sequences		
Content (Intent)		
Prior Learning (Topic)	Number; Measures; Fractions; Algebra; Decimals & Percentages; Ratio & Proportion; Angles & 2D Shapes	
- Solving algebraic equations - Collection, Representation and Interpretation of data - Summary statistics - Probability - Transformations & Symmetry of shapes - Graphs - Generating and generalising sequences		
Future Learning (Topic)	3D shapes, Constructions and Problem Solving	
What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)	
- Solving equations using the balance method. - Draw and interpret scatter diagrams - Draw and interpret frequency diagrams - Draw and interpret Stem and Leaf diagrams - Calculate types of average - Record outcomes using sample space diagrams & tree diagrams. - Understand & use experimental probability. - Use the language of sets and use Venn diagrams.	<u>Ongoing Assessment</u> - Q&A in plenary - Mini-whiteboards - Self and Peer assessment 1 written homework per fortnight 1 online homework per fortnight - Feedback and Challenge Time (FACT)	
- Identify & perform rotations, reflections, translations or enlargements. - Recognise reflectional & rotational symmetry. - Draw and interpret straight line graphs - Understand basic real-life graphs and conversion graphs - Rules for finding terms of a sequence	<u>Formal Assessment</u> April Class test	
How can parents help at home?		
Help to learn ‘need-to-know’ formulas – in back of orange books Practise times tables on a regular basis – Pixl times table App		
Helpful further reading/discussion (including Reading and Vocabulary Lists)		
Reading Direct to the following websites (logon ids will be in the front of the orange maths book); www.mymaths.co.uk vle.mathswatch.co.uk www.mathsgenie.co.uk	Vocabulary Lists Simplify Substitute Expression Equation Solve Table Tally Formula Discrete Continuous	Questionnaire Expand Convert Factorise Translation Calculate Reflection Random Rotation Impossible Transformation Probability Symmetry Frequency Sequences Surface Area Arithmetic Axis Geometric Axes