



		Factor	Polygon
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		Vocabulary Lists	
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		Questionnaire	
		Expand	
		Convert	
		Factorise	
		Translation	
		Calculate	
		Reflection	
		Random	
		Rotation	
		Impossible	
		Transformation	
		Probability	
		Symmetry	
		Frequency	
		Sequences	
		Surface Area	
		Arithmetic	
		Axis	
		Geometric	