



		Continuous	Axes										
Subject	Year		Term										
Maths	7		3										
Topic													
3D shapes, Constructions and Problem Solving													
Content (Intent)													
Prior Learning (Topic)	Equations; Data; Probability; Transformations; Graphs & Sequences												
- Geometric properties of 3D shapes - Constructions, Plans and Elevations <i>Problem-solving</i>													
Future Learning (Topic)		Y8 Scheme of Work											
What Knowledge and Skills will be taught (Implementation)	Content (Intent)	How will your understanding be assessed & recorded (Impact)											
- Volume and surface Area - Drawing Nets and Using Isometric Paper - Using a protractor and compasses for constructions - Use of bearings - Using scale factors for drawings		<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)											
<i>Real-life problems will be solved using understanding of topics studied throughout the year</i>		<u>Formal Assessment</u> June – end of year exam											
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 <table><tr><td>Vertices</td><td>Edges</td></tr><tr><td>Surface Area</td><td>Faces</td></tr><tr><td>Volume</td><td>Prisms</td></tr><tr><td>Perpendicular</td><td>Cuboids</td></tr><tr><td></td><td>Constructions</td></tr></table>		Vertices	Edges	Surface Area	Faces	Volume	Prisms	Perpendicular	Cuboids		Constructions
Vertices	Edges												
Surface Area	Faces												
Volume	Prisms												
Perpendicular	Cuboids												
	Constructions												