

## TBS Curriculum Map

Year: ...7 (Main SoW)....

Subject: ...Mathematics.....

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	Foundations of Numeracy	Foundations of Numeracy	Foundation of Shapes and Angles	Constructions and Transformations	Foundations of Fractions, Decimals and Percentage	Foundations of Algebra & Data Handling
<b>Skills</b>	Addition and Subtraction operations with integers and decimals Rounding and approximation	Multiplication and Division operations with integers and decimals Factors, Multiples, Primes and Powers	Symmetries of 2D Shapes Nets of 3D Shapes Angles rules on lines, points, and in polygons	Applying standard transformations to 2D shapes. Constructing triangles, and perpendicular and angle bisectors	Finding equivalent fractions and simplifying. Ordering, multiplying and dividing fractions. Converting between different number formats	Describing and Continuing Sequences. Algebraic notation, substitution and order of operations. Plotting graphs of linear functions. Displaying data in graphical form. Calculating and using averages and range
<b>Knowledge</b>	Application of decimal numbers to time and perimeter	Application of decimal numbers to area and mean average	Application of angle rules and developing techniques of proof	Transformations which preserve congruency, and which create similarity	Equivalence of different number formats. Suitability of different number formats for different operations	Use of algebra to generalise. Best use of different types of graph and chart
<b>Cultural Capital</b>	Telling the Time Using timetables	Estimation of calculations	Using bearings and compass points	Accuracy of construction for design pre computer ae	Use of different number formats eg in personal finances	Good and bad use of graphical displays of data. Misleading use of statistics.
<b>Curriculum overlap</b>						