



1 Year Curriculum Plan: Numeracy/ Maths across the curriculum

Year Group	Autumn Term	Spring Term	Summer Term
<ul style="list-style-type: none"> • 7 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)- Autumn league. • Science: Using rulers and protractors for measuring angles of reflection • Geography: Coordinates & grid references. • D&T: Metric conversions. 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)- Spring league. • “Pi day” celebration. • National Numeracy day. • Science: Convert millimetres to micrometres • Geography: Economic data & graphs. • D&T: Design symmetry. 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)- Summer league. • Science: Rearranging equations • Geography: Temp & rainfall statistics. • D&T: Isometric drawing.
<ul style="list-style-type: none"> • 8 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)- Autumn league. • Science: Calculating mean, median and mode • Geography: Economic divisions & graphs. • D&T: Metal alloys (percentages) 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)- Spring league. • “Pi day” celebration. • National Numeracy day. • Science: Interpreting trends of graphs and correlation doesn’t mean causation • Geography: Climate change data. • D&T: Circumference of a circle. 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)- Summer league. • Science: Probability of inheriting things and understanding what that probability means • Geography: Climate graphs • D&T: BMI/energy calculations (equations)

<ul style="list-style-type: none"> • 9 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)-Autumn league. • Science: Convert between units • Geography: Human Development Index (sorting data). • D&T: Calculating surface area. 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)-Spring league. • “Pi day” celebration. • National Numeracy day. • Science: Calculating gradients and getting data from graphs • D&T: Calculating portion sizes (measures) 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)-Summer league. • Science: Rearranging equations • Geography: Population pyramids/growth rates (percentages).
<ul style="list-style-type: none"> • 10 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)-Autumn league. • Science: Calculating percentage change (% change of mass during an experiment) 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)-Spring league. • “Pi day” celebration. • National Numeracy day. • Science: Using standard form (Avogadro’s constant) 	<ul style="list-style-type: none"> • Friday Number Crunch: tutor based, cross-curricular weekly Numeracy quiz (all subjects)-Summer league. • Science: Graph skills including lines of best fit from graphs that may not be straight and may have anomalous data in.
<ul style="list-style-type: none"> • 11 	<ul style="list-style-type: none"> • Subject specific tutor time-Numeracy for fluency & all essential calculator/non-calculator skills revisited. • Additional Maths lesson (all students): retrieval practice across KS4 Maths curriculum. • Science: Probability and Ratio 	<ul style="list-style-type: none"> • Subject specific tutor time-Numeracy for fluency & all essential calculator/non-calculator skills revisited. • “Pi day” celebration. • National Numeracy day. • Additional Maths lesson (all students): retrieval practice across KS4 Maths curriculum. • Science: Interpreting and describing general trends from data 	<ul style="list-style-type: none"> • Subject specific tutor time-Numeracy for fluency & all essential calculator/non-calculator skills revisited. • Additional Maths lesson (all students): retrieval practice across KS4 Maths curriculum.