Class of 2027 Mathematics

Long Term Plan 2020-21

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13
Cycle 1	**W/C 24/08**	**W/C 31/08**	**W/C 07/09**	**W/C 14/09**	**W/C 21/09**	**W/C 28/09**	**W/C 05/10**	**W/C 12/10**	**W/C 02/11**	**W/C 09/11**	**W/C 16/11**	**W/C 23/11**	**W/C 30/11**
		Place value Decimals, Ordering positive, negative, using =, <, >, ≥, ≤, ≠ Mode & median	**Rounding** Rounding Estimating Error Intervals	**Rounding** Error intervals Estimation Division "Consider bounds"	**Addition & subtraction** Use formal methods Recognise and use relationships between + and - including inverse	**Squares and roots** Square numbers Cube numbers Square roots Indices	**Squares and roots** Square numbers Cube numbers Square roots Indices	**Multiplication & division** Powers of ten, use formal methods/ Standard form	**Multiplication & division** Powers of ten, use formal methods/ Standard form	**Multiplication & division** Standard form/ Negative and fractional indices	**Units** Converting between metric units	**Addition & subtraction** Calculate and solve using perimeter	**Multiplication & division** Use formal methods with positive integers'/ decimals
Cycle 2	**W/C 07/12**	**W/C 14/12**	**W/C 04/01**	**W/C 11/01**	**W/C 18/01**	**W/C 25/01**	**W/C 01/02**	**W/C 08/02**	**W/C 22/02**	**W/C 01/03**	**W/C 08/03**	**W/C 15/03**	**W/C 22/03**
	Multiplication & division Find and solve problems for area of rectangle, triangle, (stretch: trapezium) parallelogram	**Order of operations** BIDMAS Indices Brackets	**Prime factors** LCM HCF Product of primes	**Negatives** Add subtract negatives	**Negatives** Multiply, divide negatives	**Negatives** Order of operations with negatives	**Fractions** represent and express one as a quantity of another	**Fractions** represent and express one as a quantity of another	**Fractions** identify equivalent and compare using inequality symbols	**Fractions** identify equivalent and compare using inequality symbols	**Fractions** convert between mixed, improper Simplify (using HCF vocab)	**Fractions** Convert between fractions and decimals (recurring decimals proof)	**Fractions** Add & subtract fractions (using LCM vocab)
Cycle 3	**W/C 12/04**	**W/C 19/04**	**W/C 26/04**	**W/C 03/05**	**W/C 10/05**	**W/C 17/05**	**W/C 24/05**	**W/C 07/06**	**W/C 14/06**	**W/C 21/06**	**W/C 28/06**	**W/C 05/07**	**W/C 12/07**
	Fractions Find fraction of amount/fractional increase & decrease/ reverse fractions	**Fractions** Multiplying Dividing/ problem solving with fractions	**Stats** Data cycle, types of data, sampling	**Stats** MMMR, outliers, comparing data, intro to quartiles	**Stats** Tally charts & two way tables Pictograms & stem and leaf diagrams	**Stats** Bar Charts, line graphs,	**Stats** Scatter graphs & correlation	**Stats** Pie charts, capture & re-capture	**Stats** Pie charts, capture & re-capture	**Stats** Frequency polygons and box plots,	**Stats** Frequency polygons and box plots,	**Stats** Cumulative frequency & box plots	**Stats** Histograms