Year 7 Curriculum learning map

Autumn Term 1	Spring Term 1	Summer Term 1
Baseline Test (1)	**8. Angles and Algebra (6)** Angles and parallel lines, forming and solving equations	**13. Percentages and FDP conversions (8)** Percentage of amount, % increase/decrease, fraction-decimal percentage conversions
1. Types of Number (6) Directed Number, BIDMAS, Primes, Squares, Cubes, HCF, LCM	**9. Sequences (6)** Term to term rule, nth term of linear sequence, types of sequences (e.g. Fibonacci)	**14. Ratio and Proportion (6)** Sharing an amount in a ratio, direct and inverse proportion
2. Algebraic Thinking (6) Notation, Collecting like terms, substitution, Expanding and Factorising	**10. Probability and Set Notation (6)** Theoretical probability, sample space diagrams, venn diagrams	
3. Fractional Thinking (6) Four operations with fractions, mixed numbers, equivalence		
Autumn Term 2	**Spring Term 2**	**Summer Term 2**
4. Averages and Spread (6) Analysing data sets, recording data into frequency tables and analysing through calculation of averages	**11. Perimeter, Area and Volume (6)** Area of 2D shapes, surface area of 3D shapes, Volume of prisms, circumference and area of circles (H)	**15. Transformations (6)** Translations, rotation, reflection, enlargement
5. Forming and Solving Equations (6) Linear equations, equations with brackets	**12. Applying Algebraic Thinking (6)** Expanding and Factorising, Algebraic geometry	**16. Presenting and Interpreting Data (6)** Pie charts, scatter graphs, frequency tables
6. Rounding and Approximation (4) Rounding to decimal places, significant figures, estimating calculations	**12. Pythagoras' Theorem (6)** Squares and roots, Perimeter of right angled triangles	**Wind Power Challenge Project (Oral Presentation) (4)**
7. Written Calculations (Problem Solving) (2)		
Christmas Holidays	**Easter Holidays**	**Summer Holidays**