	YEAR 10 (OCL LTP 2023-24)					

In Y10, students enter the first year of formal study for their GCSE. In many schools, students have been tiered into foundation or higher according to how well they fared with the more advanced topics in Y9. For students on both tiers, but particularly those on the foundation tier, core knowledge and skills are revisited, to ensure that students have the **fluency** and **conceptual understanding** necessary to access the entire KS4 curriculum. Having revisited knowledge and skills from KS3, students are equipped to fully explore the core concepts of **mathematical thinking**, **mathematical reasoning**, and **problem-solving**. This is done in every half term, as students build up to answering exam-style questions, and teachers model **mathematical language and notation** which is suitably formal for KS4.

Term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Relevant core concepts (strands)	Number	Number + Probability & Statistics	Algebra	Geometry and measures	Ratio and Proportion + Geometry and measures	Statistics & Probability
Content	Unit 1 – factors, multiples and primes Unit 2 – powers and roots Unit 3 – indices Unit 4 – standard form Unit 5 – sequences	Unit 6 – fractions, decimals and percentages Unit 7 – percentages Unit 8 – probability, sets and Venn diagrams	Unit 9 – algebra (KS3 review) Unit 10 – quadratics Unit 11 – quadratic graphs Unit 12 – simultaneous equations	Unit 13 – transformations Unit 14 – 2D shapes including circle geometry Unit 15 – Pythagoras' Theorem review Unit 16 – 3D shapes Unit 17 – volume and surface area	Unit 18 – compound measure and direct and indirect proportion Unit 19 – similarity and Trigonometry	Unit 20 – averages and range Unit 21 – data collection and sampling Unit 22 – presenting data including scatter graphs