*Blocks studied in Year 9 are the **key concepts** identified for a smooth key stage transition as we prepare for GCSE. All students can access both the **expected** and **extending** curriculum model.*

*The identified key concepts are taught for depth both at **procedural knowledge** level but more importantly the **application** of these key skills*

Weekly homework is set on Sparx Maths. The tasks set on homework are sequenced to allow students to cover content previously covered in class.

Mathematics Curriculum Map Y9

Summative assessments, based on the content covered as well as areas of previous weakness are sat once per half term.

Litherland High School
"Together in the Business of Learning"

Term 1

NUMBER

Recap of negative numbers, mixed number calculations, converting fractions, decimals and percentages,, percentage change, reverse percentages, HCF, LCM, prime factorisation, error intervals, bounds

ALGEBRA

Constructing formulae, brackets, factorising quadratics, forming and solving equations, inequalities, index laws, standard form

Retrieval work every lesson is based on areas of weakness from previous assessments/progress checks as well as recently covered topics

Term 2

RATIO AND PROPORTION

Value for money, compound measures, proportion problems, further ratio, similarity, congruency, constructions and loci

SHAPE SPACE & MEASURE

Recap of area of a trapezium and compound shapes, circles, volume of prisms and non prisms, further surface area, interior and exterior angles, Pythagoras' Theorem and trigonometry

Term 3

STATISTICS AND PROBABILITY:

Enlargements, averages from grouped frequency tables, product rule, venn diagrams, further probability

FURTHER ALGEBRA

Rearranging formulae, plotting straight line graphs, the equation of a line, solving quadratics, plotting and interpreting quadratic graphs, real life graphs, simultaneous equations

At the end of each topic, students will complete a progress check that will inform future short term and medium term planning.