

Maths Foundation Tier Year 11 Plan

Dates for GCSE Mathematics:

Maths Paper 1 (Calculator) - Friday 20th May

Maths Paper 2 (Non-calculator) - Tuesday 7th June

Maths Paper 3 (Calculator) - Monday 13th June

Week commencing:	Focus in lessons:	Revision/Intervention:
14 th February	Lesson 1: Basic probability revision. Lesson 2: Listing outcomes and calculating probability. Lesson 3: Probability trees and calculating probability.	
28 th February	Lesson 1: Percentage change. Lesson 2: Reverse percentages. Lesson 3: Paper 1 (calculator). Lesson 4: Paper 1 (calculator).	Arithmetic with fractions.
7 th March	MOCK EXAM WEEK	
14 th March	Lesson 1: Use of calculator. Lesson 2: Standard form - writing and calculating. Lesson 3: Quadratic graphs - plotting and solving by using the graph. Lesson 4: Quadratic graphs - Sketching.	Factorising algebraic expressions. CAMNAT/Art sessions - to consolidate knowledge of topics taught in lesson this week.
21 st March	Lesson 1: Calculations with decimals (non-calc). Lesson 2: Equation of linear graphs - gradient and y-intercept. Lesson 3: Solving linear equations, including those with brackets and unknowns on both sides. Lesson 4: Linear inequalities - solving and representing on a number line.	Percentages of amounts. CAMNAT/Art sessions - to consolidate knowledge of topics taught in lesson this week.
28 th March	Lesson 1: Pie charts. Lesson 2: Scatter diagrams and correlation. Lesson 3: Line and angle bisectors using constructions. Lesson 4: Worded construction questions and locus of points.	Substitution into expressions and formulae. CAMNAT/Art sessions - to consolidate knowledge of topics taught in lesson this week.
EASTER HOLIDAYS WEEK 1		Attend holiday intervention sessions at school. Dates tbc.
EASTER HOLIDAYS WEEK 2		Attend holiday intervention sessions at school. Dates tbc.
18 th April	Lesson 1: Direct proportion. Lesson 2: Inverse proportion.	Expanding and simplifying single/multiple single brackets.

	Lesson 3: Arithmetic with positive and negative number, including substitution.	CAMNAT/Art sessions - to consolidate knowledge of topics taught in lesson this week.
25 th April	Lesson 1: Expanding and simplifying double brackets, including those with coefficients of x. Lesson 2: Frequency trees. Lesson 3: Averages - from lists and tables (estimated mean). Lesson 4: Trigonometry - SOHCAHTOA for missing sides.	Laws of indices. CAMNAT/Art sessions - to consolidate knowledge of topics taught in lesson this week.
2 nd May	Lesson 1: Trigonometry - SOHCAHTOA for missing angles. Lesson 2: Bearings. Lesson 3: Area of 2D shapes, including circles.	Angles in parallel lines. CAMNAT/Art sessions - to consolidate knowledge of topics taught in lesson this week.
9 th May	Lesson 1: Area of composite shapes. Lesson 2: Volume and surface area of cuboids and prisms. Lesson 3: Transformations. Lesson 4: Transformations.	Order of operations - BIDMAS. CAMNAT/Art sessions - to consolidate knowledge of topics taught in lesson this week.
16 th May	Lesson 1: Exchange rates and worded money problems. Lesson 2: Rounding to significant figures, upper and lower bounds. Lesson 3: Final Revision. Lesson 4: Exam Paper 1.	Simplifying algebraic expressions. CAMNAT/Art sessions - to consolidate knowledge of topics taught in lesson this week.

Starter topics to include:

- FDP
- Ratio
- Pythagoras Theorem
- Fractions of amounts
- Identifying types of number (factors/multiples/primes)
- Prime factor decomposition
- HCF/LCM including worded
- Powers and roots