KS4: YEAR 10

MATHS DEPARTMENT

OUR LEARNING JOURNEY

SUMMER 3:2

Stage 7
Pythagoras, Surface Area, Volume of a Prism, Cylinders

Stage 7
Averages from frequency tables, Probability

SUMMER 3:1

Stage 6
Estimating, Error intervals, Prime factors, HCF and LCM, Indices, Expanding and factorising Plans and elevations

Stage 6
Transformations, Scatter graphs

Stage 7
Compound interest and depreciation, Sequences (nth term), Inequalities, Forming and solving equations

SPRING 2:2

Stage 5
Percentages, Percentage change, Exchange rates, Ratio

Stage 5
Solving equations, Area and circumference of circles, Frequency trees, Two-way tables, Pie charts

SPRING 2:1

Stage 3
Averages, Bar charts, Stem and leaf diagrams

Stage 4
Function machines, Frequency polygons, Fractions of an amount, Drawing graphs

Stage 4
Percentages, Writing and simplifying ratio, Fractions, Conversions and units, Scale drawings

AUTUMN 1:2

Stage 2
Systematic listing, Simplifying Algebra, Writing expressions, Probability

Stage 3
Calculation problems, Fractions, decimals, percentages conversions, Using a calculator

Stage 3
Substitution, Solving one step equations, Area and perimeter, Angles.

AUTUMN 1:1

Stage 1
Place value, Time , Negative numbers, Powers and roots, BIDMAS

Stage 1
Factors and multiples, Writing and simplifying fractions, Coordinates, Pictograms

Stage 2
Addition and subtraction, Multiplication and division, Rounding.

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MATHS DEPARTMENT

KS4: YEAR 11

OUR LEARNING JOURNEY

SUMMER 3:2

Revision booklets and past paper practice

SUMMER 3:1

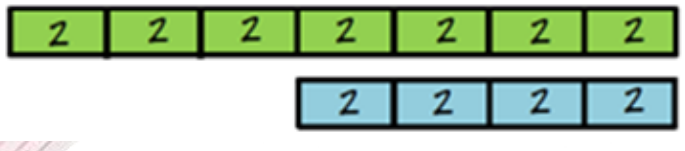
Revision booklets and past paper practice

SPRING 2:2

Revision booklets and past paper practice

SPRING 2:1

Stage 10
Writing a ratio as a fraction or linear function, Simultaneous equations (algebraically and graphically)
Stage 10
Direct and inverse proportion, Similar shapes (lengths), Sector areas and arc lengths, Spheres and cones
Stage 10
SOH CAH TOA trigonometry, Exact trigonometry values



AUTUMN 1:2

Stage 8
Speed, density and pressure, Real life and distance time graphs
Stage 8
Expanding and factorising quadratics, Solving quadratics by factorising, Drawing quadratic graphs, Drawing cubic/reciprocal graphs
Stage 9
Changing the subject of a formula, Gradient of a line, Equation of a line

AUTUMN 1:1

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