THE WALDERSLADE & GREENACRE SCHOOLS PARTNERSHIP

A Beyond SCHOOLS TRUST ACADEMY

Actuary
Teaching
Software developer
Statistician
& many many more!!!!

Successful career ← **University**

Careers: Data analyst

GCSE → **A level Maths**

Year 11H

STATISTICS: *Averages from a table*; *Frequency trees*; *Draw and interpret graphs*; *Venn diagrams*

GEOMETRY: *Probability*; *Pythagoras*; Transform functions; *Trigonometry*; *Straight lines*; Sine and cosine rules; *Transformations*; *circles*; Trigonometry

ALGEBRA: Algebraic fractions 3D; *Rearrange formulae*; Algebraic proofs; Iterations; Vectors; Inverse functions; *Standard form*; *quadratics*

NUMBER: *Surds*; *Indices*; *Surds*; *Percentages*; *Direct and inverse proportion*

STATISTICS: *Scatter graphs & correlations*; *Averages*; Histograms; *Stratified sampling*; *Box plots*; *Cumulative frequency*

Careers: sales/buying/ retail- interest, money & decimals

Year 10H

STATISTICS: *Draw and interpret graphs*; *Frequency trees*; Sample space diagram; *Probability*; Cumulative frequency; Dealing with Data; Data types; Scale diagrams

GEOMETRY: Pythagoras; *Constructions and loci*; Area of a sector; Volume & surface area; *Circumference*; *Arc length*; *Angle facts*; Trigonometry; *Area & Perimeter*

NUMBER: Negative and fractional indices; *Rounding*; *Percentages*; Calculating in standard form; Bounds; Surds

ALGEBRA: Complete the square; Difference of two squares; *substitution*; Factorise & solve quadratics; *Solve linear equations*; *Nth term*; Qquadratic formula; *Solve equations*; *Nth term*; *Linear graphs*; Factorise x>1; *Using y=mx+c*; *Inequalities*; *Solving inequalities*; Expand double brackets; *Index laws*; Midpoints

GEOMETRY: *Transformations*; *Angles*; *Data types & bias*; *Trigonometry including exact trig values*; Polygons; Circle theorems; *Constructions & loci*; *Pythagoras*; Simultaneous equations

Year 9

STATISTICS: Averages from a table.; Sampling.; Scatter graphs; Frequency trees; *Probability*; Venn diagram; Two-way tables

GEOMETRY: Solving geometric problems; *graphs*; *Angles*; Area of a parallelogram & trapezium; Volume of a cylinder; Converting measures; Area trapezium & Circles

NUMBER: *Estimation*; *Standard form*; *Quadratic sequences*; *Geometric Sequences*; Calculating with Indices; *+, -, x & ÷ fractions*

ALGEBRA: Straight-line graphs; Expanding Brackets; One/two-step(s) equations; Algebraic Powers

Weekly revision/ retrieval homework set on Seneca

Careers: Architect- scales, proportion & shapes

Year 8

GEOMETRY: Constructing Triangles; Angles; Cubes and cuboids; Compound shapes; squares and rectangles; Transformation

NUMBER: Fractions and decimals; Calculate simple fractions of quantities; Working with fractions; Simplify and share ratio; *Negatives*; *FDP*; % increase & decrease; Prime factor decomposition; Powers & roots; *Factors & Multiples*

STATISTICS: Mode, median, range & mean; Draw and interpret Line graph; Working with data; Probability

ALGEBRA: Substituting into a formulae; Simplifying Expressions; Writing formulae; Writing expressions; Function Machines

NUMBER: Working with decimals; Decimals & rounding; HCF & LCM; BIDMAS; Money Calculations; Four Operators Long x and ÷; Factors & multiples and primes; Square numbers; Length, mass, capacity; Negative Numbers; +, -, x and ÷ with negatives; Calculations with time; Ratios, proportions, fractions

Year 7

Welcome to Maths at WGSP!

THE WALDERSLADE & GREENACRE SCHOOLS PARTNERSHIP

A Beyond SCHOOLS TRUST ACADEMY

Actuary
Teaching
Software developer
Statistician
& many many more!!!!

Successful career ← **University**

Careers: Data analyst

GCSE → **6th Form**

Year 11F

STATISTICS: Averages from a table; Frequency trees; Venn diagram; Draw and interpret graphs; Charts; Probability

GEOMETRY: Pythagoras; Transformations; Trigonometry; Straight lines; Area and lengths of sectors; circles; Trigonometry

ALGEBRA: Inequalities; 3D; Rearrange formulae; Algebraic indices; Simultaneous equations; Substitution; Non-linear graphs; quadratics

NUMBER: Interest; Indices; FDP; Standard form; Percentages; Reverse percentages

STATISTICS: Scatter graphs & correlations; Probability & Venn dig; Averages; Histograms; Stratified sampling; Box plots; Cumulative frequency; Data types & bias

Careers: sales/buying/ retail- interest, money & decimals

Year 10F

STATISTICS: Draw and interpret graphs; Frequency trees; Sample space diagram; Probability; Cumulative frequency; Dealing with Data; Data types; Scale diagrams

GEOMETRY: Pythagoras; Constructions and loci; Area of a sector; Volume & surface area; Circumference; Arc length; Area & Perimeter; Angle facts; Trigonometry

ALGEBRA: Nth term; Solve equations; Linear graphs; Factorise x>1; Using y=mx+c; Inequalities; Solve linear equations; Nth term; Inequalities; Coordinates

NUMBER: Laws of indices; FDP; HCF&LCM; Bounds; Percentages; Calculating in standard form; Powers and roots; Rounding and Estimation; Expression; substitution; Factorise & solve quadratics; Simultaneous equations

GEOMETRY: Angles; Transformations; Trigonometry including exact trig values; Pythagoras; Polygons; Parallel lines; Constructions & loci

Year 9

STATISTICS: Averages from a table.; Sampling.; Scatter graphs; Frequency trees; Probability; Venn diagram; Two-way tables

GEOMETRY: Solving geometric problems; Angles; Area of a parallelogram & trapezium; Area trapezium & Circles; Volume of a cylinder; Converting measures

ALGEBRA: Straight-line graphs; Expanding Brackets; One/two-step(s) equations; Algebraic Powers; Solving inequalities; Using y=mx+c; Standard form; Estimation

NUMBER: Quadratic sequences; Geometric Sequences; Calculating with Indices; Expand double brackets; Index laws; Midpoints; Factorise x>1; Linear graphs; Solve equations; Nth term; Trigonometry; Angle facts; Powers & roots; Prime factor decomposition; Factors & Multiples; Negatives; FDP; % increase & decrease; Simplify and share ratio; +, -, x & ÷ fractions

Careers: Architect- scales, proportion & shapes

Weekly revision/ retrieval homework set on Seneca

Year 8

GEOMETRY: Angles; Constructing Triangles; Cubes and cuboids; Compound shapes; Transformation; squares and rectangles

NUMBER: Fractions and decimals; Calculate simple fractions of quantities; Working with fractions; Draw and interpret Line graph; Working with data; Probability; Mode, median, range & mean

STATISTICS

ALGEBRA: Simplifying Expressions; Substituting into a formulae; Writing formulae; Writing expressions; Function Machines

NUMBER: Working with decimals; Decimals & rounding; HCF & LCM; BIDMAS; Money Calculations; Four Operators Long x and ÷; Factors & multiples and primes; Square numbers; Length, mass, capacity; Negative Numbers; +, -, x and ÷ with negatives; Calculations with time; Ratios, proportions, fractions

Year 7

Welcome to Maths at WGSP!