Curriculum Map

Djanogly City Academy

Maths

Year	Autumn	Spring	Summer
7	Sequences Understanding and using algebraic notation Equality and equivalence Place value and ordering integers and decimals Fractions decimals and percentages equivalence	Problem solving with addition and subtraction Problem solving with multiplication and division Fractions and percentages of amounts Operations and equations with directed number Addition and subtraction of fractions	Constructing, measuring and using geometric notation Developing geometric reasoning Developing number sense Sets and probability Prime numbers and proof
8	Ratio and scale Multiplicative change Multiplying and dividing fractions Working in the Cartesian plane Representing data Tables and probability	Brackets, equations and inequalities Sequences Indices Fractions and percentages Standard index form Number sense	Angles in parallel lines and polygons Area of trapezia and circles Line, symmetry and reflection The data handling cycle Measures of location
9	Straight line graphs Forming and solving equations Testing conjectures Three dimensional shapes Constructions and congruency	Numbers Using percentages Maths and money Deduction Rotation and translation Pythagoras' Theorem	Enlargement and similarity Solving ratio and proportion problems Rates Probability Algebraic representation
10	Congruence, similarity and enlargement Trigonometry Representing solutions of equations and inequalities Simultaneous equations	Angles and bearings Working with circles Vectors Ratios and fractions Percentages and interest Probability	Collecting, representing and interpreting data Non-calculator methods Types of number and sequences Indices and roots

Curriculum Map

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Maths

11	Gradients and lines Non-linear graphs Using graphs Expanding and factorising Changing the subject Functions	Multiplicative reasoning Geometric reasoning Algebraic reasoning Transforming and constructing Listing and describing Show that	Revision