

Pyrland School Maths Curriculum Map

	Year 7	Year 8	Year 9	Year 10	Year 11
Autumn 1	Number – 4 operations Prob & Stat – Averages Geometry – Angles, 2D/3D shape, Symmetry & Transformations	Number – FDP/ Prime Factorization / Indices & Std Form. Algebra – Expressions / Formulas / plotting graphs Geometry – Similar shapes	Number – FDP/ Prime Factorization / Indices & Std Form. Algebra – Expressions / Formulas / plotting graphs Geometry – Similar shapes	Number – FDP / Indices & std Form , Surds Algebra – Solving quadratics, using graphs, Substitution Geometry – 3D Pythagoras / Trig Transformations , similar shapes	Algebra - Perpendicular lines, equation of a tangent, Equation of a circle, Simultaneous Equations, proofs, Factorize and solve quadratics Geometry – Angle rules , non right angles trig
Autumn 2	Algebra – notation & Simplification. Number – Negative Numbers Geometry - Area & Perimeter	Number – percentages Prob& Stats – Statistical graphs, Averages from tables & probability	Number – percentages Prob& Stats – Statistical graphs, Averages from tables & probability	Geometry – Circle theorems Prob & Stats – CF graph, Histograms, Averages from a table, Probability	Number – FDP problems, Prob and stats- Tree diagrams Geometry – Non right angled trig, Transformations, Area and volume problems Proportion – Ratio problems
Spring 1	Number – Primes / factors /Multiples & Fractions. Algebra –sequences & Equations Prob& Stat - Averages from a table & Basic probability.	Algebra – Sequences, simplify expressions, Expand brackets , solve equations Geometry – Area & circumference of a circle, Surface area, volume. Proportion – Ratio problems	Algebra – Sequences, simplify expressions, Expand brackets , solve equations Geometry – Area & circumference of a circle, Surface area, volume. Proportion – Ratio problems	Algebra – Sequences, expand brackets, Algebraic fractions, simultaneous Equations Geometry – Area of Arc /segment Proportion – Ratio 2	Algebra – Quadratic Inequalities, algebraic fractions, Graphing inequalities, Iteration, Capture –recapture, Equation of a line. Prob & stats – Probability equations Geometry – circle Theorems, geometric proofs, Bearings and Loci
Spring 2	Number – Percentages/Decimals & Estimation	Algebra – Change the subject, Inequalities Number – Rounding , Estimation, error intervals, Bounds	Algebra – Change the subject, Inequalities Number – Rounding , Estimation, error intervals, Bounds	Number – FDP ,Rounding, Estimation, error intervals , Bounds Algebra – Change the subject , inequalities, graphing inequalities	Number – exact values , surds, Indices std Form, Negative numbers, Bounds, Number types Geometry – Pythagoras, Trigonometry, similar shapes, congruence, vectors
Summer 1	Proportion – Ratio Algebra – Plotting graphs & Solving Equations 2 Geometry – measures / Surface Area / Volume	Geometry – Angle rules, Pythagoras, Trigonometry, Scales Algebra – Equation of a Line Number – Compound measures Prob & Stats – Venn Diagrams	Geometry – Angle rules, Pythagoras, Trigonometry, Scales Algebra – Equation of a Line Number – Compound measures Prob & Stats – Venn Diagrams	Geometry – Trig graphs, circle theorems, Non right angles trig, Pythagoras, Trigonometry, vectors Algebra – Equation of line, Iteration, simultaneous Equations Number - compound measures	Revision and past papers
Summer 2	Number – Fractions / Decimals / percentages 2. Geometry – Transformations and Angles 2	Geometry – Properties of shape, Transformations, Algebra – Straight line graphs 2 Proportion – Ratio problems 2	Geometry – Properties of shape, Transformations, Algebra – Straight line graphs 2 Proportion – Ratio problems 2	Algebra – Functions , Expand Triple brackets Geometry – Plans & Elevations, scale diagrams, Congruent triangles , Constructions	Exams

