



Maths Higher Year 10 Curriculum Palette

Autumn



Sequences

- Types Of Sequences
- Fibonacci
- Generating Sequences
- Picture Sequences
- Nth Term Of A Sequence
- Quadratic Sequences
- Geometric Sequences

Graphs

- Coordinates Problems
- Midpoints
- Linear Graphs
- Line Segments
- Gradient

- Units & Accuracy
- Frustum
- Spheres, Pyramids & Cones
- Cylinders
- Surface Area Of Prisms
- Volume Of Prisms
- Arcs & Sectors
- Area & Circumference Of Circles
- Area Of 2D Shapes

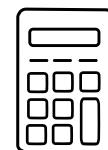
Spring

Transformations

- Translation
- Reflection
- Rotation
- Enlargement
- Describing Transformation
- Negative Enlargements

Perimeter, Area & Volume

- Exponential
- Circle
- Rates Of Change
- Cubic Graphs
- Reciprocal Graphs
- Quadratic Graphs
- Real Life Graphs
- $y=mx+c$



Simultaneous & Quadratic Equations

- Solving Equations
- Substitution
- Writing Equations
- Simultaneous
- Rearrange
- Graphically
- Factorising
- Quadratic Formula
- Completing The Squares

Inequalities & Regions

- Regions
- Graphically
- Unknowns Both Sides
- Solving Inequalities
- Listing Integers
- Number Lines
- Inequalities

Summer

Further Statistics

- Sampling
- Capture-Recapture
- Box Plots
- Histograms
- Cumulative Frequency
- Comparing Data & Distribution
- Quartiles
- Interquartile Range



Probability

- Regions
- Graphically
- Unknowns Both Sides
- Solving Inequalities
- Listing Integers
- Number Lines
- Inequalities

Compound Measures + Multiplicative Reasoning

- Compound Interest
- Growth & Decay

- Accurate Drawings
- Plans & Elevations

Constructions, Loci & Bearings

- Midpoints
- Coordinates
- Nth Term
- Picture Sequences
- Generate Sequences
- Find Missing Values In Sequences
- Continue Sequences
- Proportionality
- Pressure
- Density
- Speed
- Percentage Change
- Multipliers

Accuracy & Bounds



- Scale Drawings & Maps
- Scale Factors
- Nets
- Constructions
- Perpendicular & Angle Bisector
- Construct Triangles
- Loci & Regions
- Bearings
- Angles In Parallel Lines
- Trigonometry & Bearings