

## Year 10 Summer Exam 2024 Revision List Foundation

### Paper 1

Calculating the range  
Measuring and drawing angles  
Finding fractions of amounts  
Converting units of length, mass and capacity  
Drawing and interpreting scale diagrams  
Drawing and interpreting tally charts  
Averages from frequency tables  
Drawing bar charts  
Probability  
Enlargement  
Substitution  
Straight line graphs  
Finding percentages of amounts without a calculator  
Dividing fractions  
Multiply decimals  
Calculating with roots and powers  
Index rules  
Prime factor decomposition  
HCF and LCM  
Construction  
Angle rules  
Direct proportion  
Density  
Estimating calculations  
Expanding and factorising

### Paper 2

Factors  
Converting between fractions, decimals and percentages  
Converting units of length, mass and capacity  
Calculating with roots and powers  
Percentages  
Properties of shapes  
Sample space diagrams  
Writing and simplifying ratios  
Probability  
Speed  
Area and perimeter  
Direct proportion  
Two-way tables

Stem-and-leaf diagrams

Angles

Plotting graphs of quadratic functions

Rotation

Expand and factorise

Changing the subjects of formulae

Compound

Solving equations

Ratio

Bearings

Cylinders

Finding unknown sides in right-angled triangles

Solving simultaneous equations using elimination

### Paper 3

Converting between fractions, decimals and percentages

Ordering negative numbers

Decimals

Drawing and interpreting pictograms

Direct proportion

Term-to-term rules

Converting units of length, mass and capacity

Line and shape properties

Properties of 3D shapes

Converting between ratios, fractions and percentages

Reading, converting and calculating with time

Simplifying expressions by collecting like terms

Frequency trees

Solving equations

Currency conversion

Plans and elevations

Using standard form

Expected results from repeated experiments

Finding averages from grouped data

Reading and drawing inequalities on number lines

Solving inequalities

Finding the lowest common multiple (LCM)

Inverse proportion

Calculating with speed

Pressure

Equations of a line

Pythagoras' theorem