Finham Park School

KS3 SUBJECT Assessment Statements – Year 7

Working Towards		Working At		Greater Depth	
Number: • Understand place value (integers/decimals) • Add, subtract, multiply and divide integers	☐	**Number:** • Use four operations with integers and decimals • Work with negative numbers • Use factors, multiples, HCF/LCM and order of operations	☐	**Number:** • Solve multi-step numerical problems • Calculate with fractions (including amounts) • Convert between fractions, decimals and percentages	☐
Algebra: • Use algebraic notation • Substitute into simple expressions	☐	**Algebra:** • Simplify expressions (collect like terms) • Solve one-step equations • Generate and describe sequences	☐	**Algebra:** • Solve multi-step equations • Form expressions and generalise sequences	☐
Ratio & Proportion: • Understand proportion in simple contexts • Recognise basic fractions of amounts	☐	**Ratio & Proportion:** • Solve proportion problems • Find fractions and percentages of amounts	☐	**Ratio & Proportion:** • Apply proportional reasoning in context	☐
Geometry: • Identify properties of shapes • Measure and draw angles • Recognise basic angle facts	☐	**Geometry:** • Find angles on a line/around a point • Calculate perimeter • Read and plot coordinates	☐	**Geometry:** • Calculate area (rectangles, triangles, compound shapes) • Solve angle problems using rules	☐
Statistics: • Draw and interpret bar charts and pictograms	☐	**Statistics:** • Calculate mean, median, mode and range • Interpret tables and charts		**Statistics:** • Choose appropriate averages • Interpret data in context	
Probability: • Use probability language	☐	**Probability:** • Write probabilities as fractions • Use sample space diagrams		**Probability:** • Calculate probabilities of combined events	

CURRICULUM INTENT:

"To equip students with the skills and confidence they need to be able to work/tackle the mathematical challenges they will face in everyday life, showing a fluency of understanding of numerical methods."

Finham Park School

KS3 SUBJECT Assessment Statements – Year 8

Working Towards		Working At		Greater Depth	
Number: • Use four operations with integers and decimals • Understand fractions, decimals and percentages	☐	**Number:** • Calculate with fractions • Find percentages and percentage change • Use standard form	☐	**Number:** • Solve multi-step problems (fractions, percentages, standard form) • Apply index laws	☐
Algebra: • Simplify expressions and solve simple equations • Continue sequences	☐	**Algebra:** • Solve linear equations (including brackets/both sides) • Use expressions and sequence rules	☐	**Algebra:** • Solve complex equations and rearrange formulae • Use algebra to model problems	☐
Ratio & Proportion: • Use ratios in simple contexts • Share amounts in a given ratio	☐	**Ratio & Proportion:** • Solve ratio and proportion problems • Use equivalent ratios and scale	☐	**Ratio & Proportion:** • Solve multi-step proportion problems • Apply proportional reasoning	☐
Geometry: • Use angle facts • Calculate perimeter and area	☐	**Geometry:** • Calculate area (incl. circles) and perimeter • Use angle rules and transformations	☐	**Geometry:** • Solve geometrical problems involving multiple steps • Apply Pythagoras' theorem • Interpret and use scale drawings	☐
Statistics: • Calculate averages and interpret charts • Compare simple data sets	☐	**Statistics:** • Interpret charts (pie, line graphs) • Use averages and range		**Statistics:** • Compare data and justify conclusions • Interpret more complex diagrams	
Probability: • Write probabilities as fractions/decimals	☐	**Probability:** • Calculate combined probabilities • Use Venn/sample space diagrams		**Probability:** • Solve multi-step probability problems • Apply reasoning in context	

CURRICULUM INTENT:

"To equip students with the skills and confidence they need to be able to work/tackle the mathematical challenges they will face in everyday life, showing a fluency of understanding of numerical methods."

Finham Park School

KS3 SUBJECT Assessment Statements – Year 9

Working Towards		Working At		Greater Depth	
Number: • Calculate with fractions, percentages and standard form • Use index laws	☐	**Number:** • Use standard form in calculations • Apply index laws (including negative indices) • Solve percentage change problems	☐	**Number:** • Solve multi-step problems (standard form, indices, percentages) • Use compound measures	☐
Algebra: • Solve linear equations • Use algebraic expressions and sequences	☐	**Algebra:** • Solve equations (including brackets and both sides) • Solve inequalities and represent solutions • Expand and factorise expressions	☐	**Algebra:** • Solve quadratic equations • Rearrange complex formulae • Model and solve problems using algebra	☐
Ratio & Proportion: • Solve ratio problems • Use percentage methods	☐	**Ratio & Proportion:** • Solve direct and inverse proportion • Use compound measures (e.g. speed, rates)	☐	**Ratio & Proportion:** • Solve multi-step proportion problems • Justify proportional reasoning	☐
Geometry: • Use angle rules • Calculate area and volume	☐	**Geometry:** • Apply angle rules (incl. polygons/parallel lines) • Calculate area and volume (2D/3D) • Use similarity and transformations	☐	**Geometry:** • Solve multi-step geometry problems • Apply Pythagoras and bearings • Use vectors in context	☐
Statistics: • Interpret charts • Calculate averages	☐	**Statistics:** • Interpret and draw charts (incl. scatter graphs) • Use averages and range • Use line of best fit		**Statistics:** • Compare distributions and justify conclusions • Interpret grouped data	
Probability: • Calculate probabilities of simple events	☐	**Probability:** • Use probability rules (incl. combined events) • Apply probability in context		**Probability:** • Solve multi-step probability problems • Use structured methods (e.g. tree diagrams)	

CURRICULUM INTENT:

"To equip students with the skills and confidence they need to be able to work/tackle the mathematical challenges they will face in everyday life, showing a fluency of understanding of numerical methods."