Year 8 Spring 1

Emerging (Support)	Expected (Core)	Exceeding (Extension)
Probabilities		
• Language of probability • Probability scale • Calculating Probability • Experimental probability • Sample space diagram • Probability and problem solving	• Calculating Probability • Experimental probability • Expectation • Addition and multiplication laws of probability • Sample space diagram • Probability tree diagram • Probability and problem solving	• Calculating Probability • Experimental probability • Expectation • Addition and multiplication laws of probability • Sample space diagram • Probability tree diagram • Venn Diagram • Probability and problem solving
Area, Perimeter and Volume		
• Properties of 3Ds • Net and surface area • 3D drawing • Area and perimeter of 2Ds • Area of compound shapes • Volume of shapes by counting squares • Volume of cubes and cuboids • Area, perimeter and problem solving	• 3D drawing • Area and perimeter of 2Ds • Area of compound shapes • Area and perimeter of circular objects • Volume of cubes and cuboids • Volume of prisms • Total surface area of prisms • Area, perimeter and problem solving	• Area and perimeter of 2Ds • Area of compound shapes • Area and perimeter circular objects • Volume of prisms • Total surface area of prisms • Area, perimeter and problem solving
Decimals		
• Place value and decimals • Scale drawing • Adding and subtracting decimals • Fractions to decimals	• Place value and decimals • Adding and subtracting decimals • Multiplying and dividing decimals	• Place value and decimals • Multiplying and dividing decimals • Fractions to decimals

• Decimals and number lines • Decimals on graphs • Rounding to nearest 10, 100 and 1000 • Rounding to a given number of decimal places • Efficient use of a calculator • Decimals and problem-solving	• Fractions to decimals • Decimals and number lines • Decimals on graph • Rounding to nearest 10, 100 and 1000 • Rounding to a given number of decimal places • Efficient use of a calculator • Decimals and problem solving	• Rounding to a given number of decimal places • Significant figures • Estimation • Efficient use of a calculator • Decimals and problem solving

Assessment 3 (Last Week of the Half-term)

Year 8 Spring 2

Emerging (Support)	Expected (Core)	Exceeding (Extension)
Equations and Inequalities		
• Solve equations with a single step • Solve equations involving multiplying and dividing • Solve linear equations • Forming and solving equations • Inequality symbols • Inequalities in a number line • Equations and problem solving	• Solve linear equations • Equations with unknowns on both sides • Equations involving fractions and brackets • Forming and solving equations • Inequality symbols • Inequalities in a number line • List solutions of inequalities • Solving inequalities • Equations and problem solving	• Equations with unknowns on both sides • Equations involving fractions and brackets • Forming and solving equations • Inequality symbols • Inequalities in a number line • List solutions of inequalities • Solving inequalities • Simultaneous equations • Quadratic equations by factorisation • Equations and problem solving

Averages and spread		
• Tally charts • Two-way table • Histogram • Mean, median and mode • Averages and range • Averages and problem solving	• Two-way table • Histogram • Mean, median and mode • Averages and range • Compare two sets of data • Averages and problem solving	• Two-way table • Histogram • Mean, median and mode • Averages and range • Compare two sets of data • Mean, median and mode of grouped data • Cumulative frequency diagram CFD • Estimate the median, quartiles from CFD • Averages and problem solving
Formulae		
• Collecting like terms • Formulae and worded questions • Area and perimeter of 2Ds • Expressions, formulae, identity, and equations • Converting degree Fahrenheits and degree Celsius • Substitute values into simple formulae • Formulae and problem solving	• Formulae and worded questions • Expressions, formulae, identity, and equations • Converting degree Fahrenheits and degree Celsius • Substitute values into simple formulae • Substitute into complex formulae • Formulae and problem solving	• Collecting like terms • Expressions, formulae, identity and equations • Converting degree Fahrenheits and degree Celsius • Substitute values into simple formulae • Substitute into complex formulae • Change of subject • Generate standard formulae • Formulae and problem solving
Autumn 4 Assessment (Last two weeks before Christmas Holiday)		