YEARS 9 & 10 OVERVIEW 2020/21 – MATHS (TERM 1)

Band 1-2	Band 2-4	Band 3-5	Band 4-7	Band 6-9
Four rules (Place value, addition,subtraction, multiplication, division)	Four rules (Place value, addition,subtraction, multiplication, division) Definitions, terms & Prime numbers	Definitions, terms & Prime numbers HCF/LCM	HCF/LCM Index notation/Calculations & estimations with powers and roots/laws of indices	HCF/LCM Index notation/Calculations & estimations with powers and roots/laws of indices
Subsitute numerical values into formulae & expressions	Index notation/laws of indices Substitute numerical values into formulae & expressions	Index notation/Calculations & estimations with powers and roots/laws of indices Standard form	Standard form Substitute numerical values into formulae & expressions	Standard form Substitute numerical values into formulae & expressions
Collecting like terms in sums, difference product & quotient	Collecting like terms in sum, difference, product, quotient Multiply out brackets Factorising	Substitute numerical values into formulae & expressions Multiply out brackets Factorising	Multiply out brackets Factorising	Multiply out brackets Factorising Linear equations in one unknown
Linear equations in one unknown	Linear equations in one unknown	Linear equations in one unknown Change the subject of a formula	Linear equations in one unknown Change the subject of a formula	Change the subject of a formula
Perimeter of rectalinear shapes & Area calculations	Perimeter of rectalinear shapes & Area calculations	Perimeter of rectalinear shapes & Area calculations	Perimeter of rectalinear shapes & Area calculations Surface area, Volume	Perimeter of rectalinear shapes & Area calculations Surface area, Volume
Volume	Surface area, Volume	Surface area, Volume	Decimals and Fractions Calculations with fractions	Decimals and Fractions Calculations with fractions

YEARS 9 & 10 OVERVIEW 2020/21 – MATHS (TERM 2)

Band 1-2	Band 2-4	Band 3-5	Band 4-7	Band 6-9
Four rules (Types of number, order of operations)	Four rules (Types of number, order of operations)	Percentage Conversions Equivalent fractions, Ordinality	Manipulating surds	Manipulating surds
Percentage Conversions Equivalent fractions, Ordinality	Percentage Conversions Equivalent fractions, Ordinality	Estimation Upper & lower bounds	Estimation Upper & lower bounds (Calculations)	Upper & lower bounds (Calculations)
Decimal and fractions Rounding	Decimal and fractions Calculations with fractions	Decimal and fractions Calculations with fractions	Categorical & numerical data Bivariate data	Categorical & numerical data Bivariate data
Categorical & numerical data	Categorical & numerical data	Categorical & numerical data	Grouped data	Grouped data
Categorical & numerical data	Categorical & numerical data Bivariate data	Categorical & numerical data Bivariate data	Angles Circle theorems	Angles Circle theorems
Symmetry	Symmetry properties of triangles & quadrilaterals	Angles	Circle theorems	Circle theorems (proof)

YEARS 9 & 10 OVERVIEW 2020/21 – MATHS (TERM 3)

Band 1-2	Band 2-4	Band 3-5	Band 4-7	Band 6-9
Angles	Angles	Angles	Algebraic fractions Simultaneous equations	Algebraic fractions
Properties of triangles and quadrilaterals	Angles	Linear equations in one unknown (form & solve)	Simultaneous equations	Simultaneous equations
Formulate algebraic expressions	Formulate algebraic expressions	Simultaneous equations	Summary Statistics	Summary Statistics
Linear equations in one unknown (form & solve)	Linear equations in one unknown (form & solve)	Summary Statistics	Summary Statistics	Plane Isometric transformations
Summary Statistics	Summary Statistics	Summary Statistics	Plane Isometric transformations	Graphs of equations and functions Straight line graphs Paralllel & Perpendicular
Summary Statistics	Summary Statistics	Plane Isometric transformations	Graphs of equations and functions Straight line graphs Paralllel & Perpendicular	Equation of a circle (equation of tangent)

YEARS 9 & 10 OVERVIEW 2020/21 – MATHS (TERM 4)

Band 1-2	Band 2-4	Band 3-5	Band 4-7	Band 6-9
Plane Isometric transformations	Plane Isometric transformations	Plane Isometric transformations	Enumeration Venn diagrams Tree diagrams	Enumeration Venn diagrams Tree diagrams
Plane Isometric transformations	Plane Isometric transformations	Graphs of equations and functions Straight line graphs Paralllel & Perpendicular*	Percentage change Growth and decay	Percentage change Growth and decay
Graphs of equations and functions	Graphs of equations and functions	Venn Diagrams Tree Diagrams	Equivalent ratio Division in a ratio Ratio and fraction	Equivalent ratio Division in a ratio Ratio and fraction
Probability scale, relative frequency and probability, Equally likely outcomes and probability	Probability scale, relative frequency and probability, Equally likely outcomes and probability	Percentage change Growth and decay	Direct proportion Inverse proportion	Direct proportion Inverse proportion
Sample Space, Addition law of probability	Sample Space, Addition law of probability	Percentage change Growth and decay	Algebric proof	Algebric proof

YEARS 9 & 10 OVERVIEW 2020/21 – MATHS (TERM 5)

Band 1-2	Band 2-4	Band 3-5	Band 4-7	Band 6-9
Percentage calculations	Percentage calculations	Equivalent ratio Division in a ratio	Ruler and compass constructions Maps and scale drawings (bearings)	Ruler and compass constructions Maps and scale drawings (bearings)
Percentage change	Percentage change	Ratio and fraction	Enlargement, Similar shapes	Enlargement, Similar shapes
Equivalent ratio	Equivalent ratio	Direct proportion Inverse proportion	Compound units Kinamatic formula	Compound units* Kinamatic formula
Division in a ratio	Division in a ratio	Plans and elevation Ruler and compass constructions	Similar triangles/ congruence Sequences	Sequences Functions
Ratio and proportion problems	Ratio and proportion problems	Enlargement Similar shapes	Circles* (Circle Nomenlature)	Circles* (Circle Nomenlature)
Plans and elevations(2D & 3D shapes) Maps and scale drawings	Plans and elevations(2D & 3D shapes) Maps and scale drawings	Maps and scale drawings (bearings)	Circles*	Plane vector geometry
Enlargement, units of measure.	Enlargement, Similar shapes	Similar triangles/ congruence Sequences	Plane vector geometry	Iterative process

YEARS 9 & 10 OVERVIEW 2020/21 – MATHS (TERM 6)

Band 1-2	Band 2-4	Band 3-5	Band 4-7	Band 6-9
Sequences	Sequences	Compound units Kinamatic formula	Pythagoras Trigonometry in right-angled triangles	Pythagoras Trigonometry in right-angled triangles*
Circles (Circle Nomenlature)	Similar triangles/ Congruence	Circles* (Circle Nomenlature)	Exact Trig values Sine & Cosine rule (area of a triangle)	Exact Trig values Sine & Cosine rule (area of a triangle)
Circles	Circles (Circle Nomenlature)	Plane vector geometry Inequalities	Sine & Cosine rule (area of a triangle)	Inequalities*
Calculations with fractions	Inequalities	Pythagoras theorem Trigonometry in right-angled triangles (exact Trig values)	Inequalities*	Quadratic equations Complete the square
Inequalities	Pythagoras	Pythagoras theorem Trigonometry in right-angled triangles(bearings)	Quadratic equations Complete the square	Gradients Areas
Interpreting graphs	Compound units	Quadratic equations	Equation of a circle	Transformation of curves and their equations