

Mathematics Department Schemes of Work

2015/2017

FORM 2

Term 1

Week	Skill	Topic	Description	Resource materials	domain
1 – 2	+, -, x, /	Directed numbers	BODMAS and operations with whole numbers	STP Bk 2 Chapter 1	Cog./comp.,know
3 – 4	Rounding off	Decimals, standard form, significant figures	Large and small numbers worked with	Chapter 2	Cog./comp.,know
5 – 6	6 laws of indices	Indices	Working with different bases	Chapter 2	Cog./comp./know

Term 2

1 – 2	Types 1-5,	Algebra	Solving for x	Chapter 6	Cog./eval.,know
3 – 4	Substitutions	Algebra	Calculation a value when substitutions are made into an equation	Chapter 6 pg 105	Cog./eval.,know
5 – 6	Subj. of the formula types 1 – 5	Algebra	Using several different formulae, make a chosen variable the subject	Chapter 6 pg 110	Cog./applic.,know
7 – 8	Calculating areas, perimeters	Circles	Problem solving with various shapes	Chapter 12	Cog./eval.,appl.,know

9 -10	Manipulating data using venn diagrams	Sets	Practical applications of venn diagrams	Chapter 25	Affect./org.,charac. Cog./synth.,appl.,know
11 – 12	Revision	Revision	Revision	Chapters 6, 12, 25	

Term 3

Week	Skill	Topic	Description	Resource material	Domain
1	Types 1 – 5	Algebra	Revision	Chapter 6	Cog./eval.,appl.,compr., know
2 – 4	Pythagoras, finding x^0 , finding x as a side,	Trigonometry	SOHCAHTOA Finding the missing sides and missing side of a right angled triangle	Chapter 18, 19	Cog./eval.,applic.,compr., know
5 – 6	Place a point in a graph, read off a point from a graph, calc. gradient, derive equation of a straight line, convert from one form to another form of a straight line	Co-ordinate geometry	Graph plotting, working with straight lines	Chapter 21	Cog./eval.,analy.,compr., know
7 – 8	Solving simultaneous equations graphically	Co- ordinate geometry	Plotting precise graphs to allow for the reading off of the solutions for intersecting lines	Chapter 21 pg 344	Cog./eval.,applic.,know

9 – 10	Revision	Revision	Revision	Chapters 6, 18, 19, 21	
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