Group-Teacher	Overview	New content	Date
1A – Mrs Loveridge	Complete work on Direct	Direct and Inverse Proportion	Current block
1B – Mr Storey-Scott	and Inverse Proportion	Formulate equations and solve problems involving a quantity in	
		direct proportion to a power or root of another quantity	
		indirect proportion to a power or root of another quantity	
	Seguences	Sequences	w/c 27 <sup>th</sup> April
	•	Use subscript notation for position to term and term to term rules	
		Eg. $X_n = n + 2$	
		$X_{n+1} = 2x_n - 3$	
		Find a formula for the nth term of a quadratic sequence	
		Eg. 0, 3, 10, 21	
		$U_n = 2n^2 - 3n + 1$	
		Generate the nth terms of other sequences	
		Eg. 1, $\sqrt{2}$ , 2, $2\sqrt{2}$ ,	
		$\frac{1}{2}, \frac{2}{2}, \frac{3}{4}, \dots$	
		2 3 4	
	• Review Blocks 1 – 10	Blocks 1 -10	w/c 11 <sup>th</sup> May
		Interpret and construct diagrams for grouped data	
		Express exponential growth and decay as a formula	
		Indices (including fractional powers), parallel and perpendicular lines	
		Surds and Upper and Lower bounds	
		Transformations and similar shapes	
		• Pythagoras and Trigonometry in 3D and area of a triangle using area = $\frac{1}{2}$ absinC	
		Circle Theorems	
		Simplify and manipulate algebraic fractions	
		• Sine Rule and Cosine Rule	
		• Further guadratics – completing the square, sketching and interpreting	
	Assessment week	A full set of Foundation exam papers	w/c 29 <sup>th</sup> June
	Personal reflection work	A chance to work on areas that were flagged as difficult in the exams	w/c 13 <sup>th</sup> July

## Year 10 Mathematics Summer Term Overview

Group-Teacher	Overview	New content	Date
2A – Mrs Joseph	Review Blocks 1-10	Blocks 1 -10	Current work
2B – Mr Ahluwalia		Standard Form and Indices	
		Straight line graphs	
		Trigonometry	
		Kinematics	
		Circles -arc length and sector area	
		Geometric sequences, nth term	
		Probability, Venn diagrams and Tree diagrams	
		Bearings, Construction and Loci	
		Quadratics – solving algebraically and graphically	
		Fractions and Percentages	
	<ul> <li>Direct and indirect</li> </ul>	Direct and Indirect proportion	w/c 18 <sup>th</sup> May
	proportion	Currency speed/time	
		Recognise graphs of proportion	
		Use fraction notation	
		<ul> <li>Recognise v is proportional to x and v is inversely proportional to x and using</li> </ul>	
		constant of proportionality	
	• Formulate and rearrange	Formulate and rearrange equations	
	equations	Formulate equations to solve	
		Use more complex formulae	
		Rearrange more complex formulae	
	Assessment week	A full set of Foundation exam papers	w/c 29 <sup>th</sup> June
	Personal reflection work	A chance to work on areas that were flagged as difficult in the exams	w/c 13 <sup>th</sup> July
3 – Mr McClusky	Review Blocks 1-10	Blocks 1 -10	Current work
		Equations	
		Pythagoras	
		Prime Factors HCF, LCM	
		Area, Perimeter, Surface area and Volume	
		Mean from grouped Frequency tables and Frequency polygons	
		Expanding, Simplifying and Factorising	

Group-Teacher	Overview	New content	Date
		Mixed numbers and Ratio	
		Construction	
		Probability	
		Enlargements and similar shapes	
			( <b>t</b> h
	Compound Interest and	Compound Interest and Repeated Percentage	w/c 11 <sup>th</sup> May
	repeated percentages	Solve percentage change problems using multipliers	
		Solve compound interest problems	
		Solve problems involving repeated percentage problems	
		Calculate percentage change	
			w/c 1st lune
	• Index Laws	Index Laws	, • _••••
		Multiplication and Division using indices	
		Power raised to a power	
		Negative Indices	
		Fractional indices	
		Combination of laws	
	Creative State	Granhs	w/c 15 <sup>th</sup> June
	Graphs	<ul> <li>Draw straight line graphs using y = mx + c</li> </ul>	
		• Identify graphs using $y = mx + c$	
		Draw graphs of quadratics using coordinate tables	
	Assessment week	A full set of Foundation exam papers	w/c 29 <sup>th</sup> June
	Personal reflection work	A chance to work on areas that were flagged as difficult in the exams	w/c 13 <sup>th</sup> July
Acc – Mr Bullock	Review Blocks 1-11	Blocks 1-11	Current work
		Numeracy	
		Rounding and approximation	
		Fractions	
		Area	
		Probability	
		Brackets and Factorising	

Group-Teacher	Overview	New content	Date
		Percentages	
		Transformations	
		Representing Data	
		Linear Graphs	
		Compound Measure	
	Assessment week	An set of assessments to see how much you can do	w/c 29 <sup>th</sup> June