Sandon Business, Enterprise & Arts College
Curriculum Map 2015 - 2016

Maths Year 9 Higher

Autumn 1								
	Week Commencing	**7th September**	**14th September**	**21st September**	**28th September**	**5th October**	**12th October**	**19th October**
	Topic	1 Number						
		Number problems and reasoning	Place value and estimating	HCF and LCM	Indices	Zero, negative fractional indices	Standard form	Surds
	Weekly Review							

Autumn 2								
	Week Commencing	**2nd November**	**9th November**	**16th November**	**23rd November**	**30th November**	**7th December**	**14th December**
	Topic	2 Algebra						
		Algebraic indices	Expand and factorise	Equations	Substitution	Linear sequences	Non-linear sequences	Expand two brackets (quadratics)
	Weekly Review	Number problems and reasoning	Place value and estimating	HCF and LCM	Indices	Zero, negative fractional indices	Standard form	Surds

Spring 1								
	Week Commencing	**4th January**	**11th January**	**18th January**	**25th January**	**1st February**	**8th February**	
	Topic	3 Interpreting and representing data			4 Fractions, ratio and percentages			
		Statistical diagrams		Scatter graphs (including time series)	Averages, range grouped data	Fractions – four operations, mixed numbers and reciprocals	Ratio	
	Weekly Review	Algebraic indices		Expand and factorise	Equations	Substitution	Linear sequences	

Spring 2								
	Week Commencing	**22nd February**	**29th February**	**7th March**	**14th March**	**21st March**		
	Topic	4 Fractions, ratio and percentages			5 Angles and trigonometry			
		Proportion	Percentages	Recurring decimals	Angle properties (triangles, quadrilaterals, polygons)	Pythagoras		
	Weekly Review	Non-linear sequences	Expand two brackets (quadratics)	Statistical diagrams	Scatter graphs (including time series)	Averages, range grouped data		

Summer 1								
	Week Commencing	**11th April**	**18th April**	**25th April**	**2nd May**	**9th May**	**16th May**	**23rd May**
	Topic	5 Angles and trigonometry		6 Graphs				
		Trigonometry		Linear graphs	Time distance graphs	Midpoint, parallel, perpendicular	Quadratic graphs	Cubic, reciprocal graphs
	Weekly Review	Fractions – four operations, mixed numbers and reciprocals	Ratio	Proportion	Percentages	Recurring decimals	Angle properties (triangles, quadrilaterals, polygons)	Pythagoras

Summer 2								
	Week Commencing	**6th June**	**13th June**	**20th June**	**27th June**	**4th July**	**11th July**	**18th July**
	Topic	7 Area and volume					8 Transformations and constructions	
		Perimeter, area compound shapes	Bounds and units	Circles, sectors	Volume of prisms, including cylinders and spheres	Pyramids and cones	Transformations	
	Weekly Review	Trigonometry		Linear graphs	Time distance graphs	Midpoint, parallel, perpendicular	Quadratic graphs	Cubic, reciprocal graphs