Park Academy West London
an Aspirations Academy

Maths Curriculum Map (Key Stage 4)

Blue - Foundation **Green – Higher** **Black – both**

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	*Content (F)*	• Statistics and sampling • The averages • Perimeter, area and volume	• Straight line graphs • Real life graphs • Translations, rotations, reflections and enlargements	• Ratio • Proportion • Pythagoras and trigonometry	• Calculation probability • Experimental probability • Multiplicative reasoning	• Pland and elevations • Constructions, loci and bearings	• Expanding and factorising • Graphs • Circles, cylinders, cones and spheres
	Content (H)	• Surds, standard form, indices • Prime factorisations • Solving quadratics	• Vectors • Averages, box plots, histograms, stem and leaf • Simultaneous equations	• Quadratic graphs • Percentages • Circles	• Inequalities • Ratio, direct and inverse proportion • Transformations	• Probability • Circle theorems • Linear and quadratic sequences	• Trigonometry • Algebraic proff • Frequency tables, cumulative frequency graphs and frequency polygons
	PSHCE	Numbers are used in everyday life – e.g. recipes, accounting, bank balance, money. Decimals & factors are used in estimation, understanding numbers in a wider context such as money & counting change, weight.	Algebra is used in many ways – from financial applications to cooking, recipe management, & recognising patterns. Graphs are used to help people quickly understand & use information	Fractions are used in recipes, proportion, design, time management, determining discounts, sales, & prices.	Percentages are used in finance, calculating discounts, sales, profits, medicine, & experiments.	Sequences are used to identify patterns & themes in text, numbers, & design. Shapes are used to inform space management & design.	3D shapes are seen in real life contexts – e.g. pyramids in Egypt, cones on roads, cylinders in the shape of crisps & mugs, cuboids as tissue boxes, cubes as dies. Statistics are used in finance, business management, science, & design.
	Careers	Statistician Banking					
Year 11	*Content (F)*	• Fractions • Indices and standard form • Similarity and congruence	• Vectors	• Revision	• Revision	• Revision	• Revision
	Content (H)	• Algebraic functions • Congruence and similarity • Ratio and compound unit problems	• Functions • More graphs and transformation of graphs	• Real life graphs and equations • Algebraic proof and quadratic revision	• Circle theorems revision	• Revision	• Revision
	PSCHCE	• Developing lines of reasoning • Percentages (real-life applications) • Setting up & solving equations	• Percentages & ratio (real-life applications) • Interpreting graphs • Spotting patterns	• Percentages (real-life application) • Interpreting data • Interpreting graphs	• Spotting patterns • Converting units • Interpreting probability • Increasing numerical fluency		
	Careers	Computing Consulting Retail					