


Westfield Academy - Curriculum Information

What your child will learn in ...(ADD VERY BRIEF INTENT)

Maths

Head of Department	C. Okemadu	
Head of Department email	cho@westfield.academy	
Lessons per 2 week cycle	7	
Specification/Board details/Key stage	OCR	

Term by term

Autumn 1	Autumn 2	Spring 1
Calculations and Approximations HCF and LCM Standard Forms Bounds Review of percentage changes, with and without a calculator Use of multipliers for Student Research/Problem Solving	Compound percentage changes Reverse Percentages Compound Measure Inverse proportion Vectors Student Research/Problem Solving	Angles Angles in parallel lines Angles in polygons Bearings Constructions and loci Student Research/Problem Solving
Spring 2	Summer 1	Summer 2
Quadratic and cubic graphs Using quadratic graphs Factorising and solving quadratics	Prisms Cylinders Cones Pyramids and Spheres Pythagoras' Theorem Trigonometry	Venn Diagram Two-way tables Relative frequency Theoretical probability "And" & "Or" Rule

Completing the square Solving simultaneous equations Simplifying harder algebraic expressions Student Research/Problem Solving	Student Research/Problem Solving	Tree diagrams Research Project
Key Skills developed		
Useful Websites	https://maths.sparx-learning.com/teacher/school-settings/sucription	
Reading/Literacy requirements /Key Words	Approximate Multiplier Standard Form Bounds Percentage Reverse Compound Angle Parallel Polygon Bearing Locus Quadratic Cubic Factorise Simultaneous Prism Cylinder Cone Pyramid Shere Relative Frequency Probability	
Homework requirements	Two times a week	
Personal Development Links	https://corbettmaths.com/5-a-day/gcse/ https://sites.google.com/westfield.academy/ks3maths/home	
Trips/Visits (If applicable)	Our Yr. 10 students are given an insight into further academic pathways. Visiting a university offers students a glimpse into higher education, inspiring academic ambition and future planning. It exposes them to diverse fields of study, campus life, and potential career paths. Such visits encourage goal-setting, enhance motivation, and provide	

	valuable insights into the opportunities and challenges of university life.
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