

MOOR PARK HIGH SCHOOL: CURRICULUM

Key Stage 4 Long Term Planning

Year 11 SYLLABUS: AQA GCSE Mathematics 8300

Curriculum Area: Mathematics (support) – Foundation

(Please note that knowledge, related skills and connections to previous learning are linked by colour coding)

Year 11	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1
Knowledge	Properties of polygons Review and extension probability	Probability Further circumference and area Real life graphs	Inequalities Volume	Algebra and graphs Sketching graphs Quadratic graphs	Exam preparation - revision
Skills	Know the properties of polygons. Calculate interior and exterior angles of polygons. Understand the probability scale. Work out probabilities and solve problems. Use tree diagrams.	Understand the probability scale. Work out probabilities and solve problems. Use tree diagrams. Know the parts of a circle. Know and use the formula for the areas and circumference of a circle Plot graphs of real-life situations and find solutions, including speed/distance graphs	Represent inequalities on a numbers line. Solve linear inequalities. Calculate the volume of cubes, cuboids and prisms.	Solve equations. Plot linear graphs. Find solutions using graphs. Recognise graphs if linear, quadratic, cubic and reciprocal functions Recognise, sketch and interpret quadratic graphs.	
Connections to previous learning	Year 9 Autumn 1 Angles Year 9 Summer 1 Probability	Year 9 Summer 1 Probability Year 9 Spring 2 Area and circumference	Year 10 Summer 1 Algebra recap and extension Year 8 Autumn 1 Shapes and measures in 3D	Year 10 Summer 1 Algebra recap and extension Year 10 Graphs recap and extension Year 10 Graphs recap and extension	
Assessment	Skills check at the end of each unit (2 during this term)	Skills check at the end of each unit (3 during this term) Mock 1 CAP1	Skills check at the end of each unit (2 during this term)	Skills check at the end of each unit (3 during this term) Mock 2 – CAP2	GCSE Examinations
Homework	Sparx Maths	Sparx Maths	Sparx maths	Revision plan	Revision plan
Literacy	Mathematical key terms/vocabulary for each unit. Correct terminology used when answering questions. Read and understand written questions	Mathematical key terms/vocabulary for each unit. Correct terminology used when answering questions. Read and understand written questions	Mathematical key terms/vocabulary for each unit. Correct terminology used when answering questions. Read and understand written questions	Mathematical key terms/vocabulary for each unit. Correct terminology used when answering questions. Read and understand written questions	Mathematical key terms/vocabulary for each unit. Correct terminology used when answering questions. Read and understand written questions
CIAG	Data Analysts - https://www.youtube.com/watch?v=yqylYh4bKKo	Software Engineer - https://youtu.be/Q9tUUP-phCw	Film Maker - https://www.youtube.com/watch?v=C7tQW5ieGHg	Climate Scientist - https://youtu.be/HZND8Fas8Uw Mathematics KS5 taster sessions	