Oasis Academy Brislington: Curriculum



Programme of Study - Maths

We want to develop students who are engaged and curious about mathematics, and confident in **problem solving** because they are **proficient** at **reasoning**, and **fluent** with key maths concepts. Our teachers will be engaged and curious about students' learning. Students know where logical thinking can take them in life.

Year 11





Year 11						
Rationale/ narrative	Our Year 11 curriculum builds on the foundations created earlier in the school. Students will develop and deepen their understanding of algebra, geometry and proportion; refine their abilities to reason and problem solve and therefore be ready to demonstrate their potential during the GCSE exams.					
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Geometry	Geometry/Algebra	Revision	Revision	Revision	
Content	Knowledge and skills covered: Higher Tier: Equations of a circle Circle geometry Data Foundation Tier: Pythagoras' theorem Angle reasoning Area (circles, trapezia, triangles) Solving equations Ratio	Knowledge and skills covered: Higher Tier: Direct proportion Advanced graphs Algebra Foundation Tier Forming equations Fractions Percentage Vectors Linear graphs	Revision based on gaps from Pre Public Exams (Mocks)	Revision based on gaps from Pre Public Exams (Mocks)	Revision based on gaps from Pre Public Exams (Mocks) GCSE Exams Start	GCSE Exams End
Assessment	Autumn 1	PPE 1	Spring 1	PPE 2	GCSE	GCSE
Links:	-Knowledge Organisers -Hegarty	-Knowledge Organisers -Hegarty	-Knowledge Organisers -Hegarty	-Knowledge Organisers -Hegarty	-Knowledge Organisers -Hegarty	-Knowledge Organisers -Hegarty