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 8	
Rationale/	Our Year 8 curriculum is designed to build on the foundations created in Year 7, where students will spend more
narrative	time working with algebra, and making links across topics.

Harracive	3 3 , 3						
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
Topic	Equations and inequalities Number + Algebra	Graphs <mark>Algebra</mark>	Proportional Reasoning Ratio and Proportion	Representations and reasoning with data Probability & Statistics	Angles <mark>Geometry</mark>	Area, volume and surface area Geometry	
Content	Knowledge and skills covered:	Knowledge and skills covered:	Knowledge and skills covered:	Knowledge and skills covered:	Knowledge and skills covered:	Knowledge and skills covered:	
	Unit 1 – Sequences Unit 2 - Forming and Solving Equations Unit 3 – forming and solving inequalities	Unit 4 – linear graphs and identify key features of linear graphs Unit 5 – accuracy and estimation	Unit 6 – ratio Unit 7 - Real life graphs and rate Unit 8 – direct and inverse proportion	Unit 9 – univariate data (construct and interpret charts and graphs, mean, mode, median, range) Unit 10 – bivariate data (scatter graphs)	Unit 11 – angles in parallel lines and polygons Unit 12 – bearings	Unit 13 – circles and composite shapes Unit 14 – volume of prisms Unit 15 – surface area of prisms.	
Assessment	Summative assessment:	Summative assessment:	Summative assessment:	Summative assessment:	Summative assessment:	Summative assessment:	

	Autumn 1 Post	Autumn 2 Post	Spring 1 Post	Spring 2 Post	Summer 1 Post	Summer 2 Post
	Assessment	Assessment	Assessment	Assessment	Assessment	Assessment
Links:	Knowledge	Knowledge	Knowledge	Knowledge	Knowledge	Knowledge
	Organisers	Organisers	Organisers	Organisers	Organisers	Organisers
	Hegarty	Hegarty	Hegarty	Hegarty	Hegarty	Hegarty