













Calculate volume of a prism.		Know and use Pythagoras' Theorem	
Calculate external and internal angles of regular polygons.		Translate shapes, using a vector.	
Describe the rotation, reflection or enlargement of a shape.		Construct triangles	
Draw the locus of an object.		Construct line and angle bisectors.	
Calculate mean, median, mode and range from data in a diagram.		Describe the correlation of a scatter graph.	
Write and justify appropriate questions for a questionnaire.		Find all of the outcomes of an experiment and write the probability of an event.	













# Brownlow Integrated College














## PASSPORT

TO GCSE GRADE C IN MATHS

Name: \_\_\_\_\_

Round to Decimal Places		Add, Subtract Multiply and Divide Decimals.	
Round to significant figures and Estimate answers		Write the prime decomposition of a number.	
Find the HCF and LCM of two numbers		Work with indices.	
Add, subtract, multiply and divide fractions.		Convert between Fractions, Decimals and Percentages.	
Calculate percentage increase or decrease.		Share an amount into a ratio.	
Calculate the Square-root and Cube-root of a number.		Write the Reciprocal of a number.	

Factorise an expression.		Expand brackets, such as $3a(3a + b)$ .	
Set up and solve a linear equation.		Use trial and improvement	
Change the subject of an equation.		Be able to work out the nth term and use it.	
Solve an inequality.		Plot linear graphs and use words like gradient and intercept.	
Plot a quadratic graph.		Calculate surface area of a prism.	
Calculate area and circumference of a circle.		Interpret real-life graphs eg distance time graphs	