Mathematics Factorisir		ng, Conjectures and 3D Shapes		Year 9	Term 2	Trinity Academy Cathedral
Factorising		Conjectures	3D Shapes			
Highest Common Factor - value factor that is shared numbers. Identity – an equation that values. The symbol \equiv is used to she Factorise – re-write an exp brackets by identifying the common factor. <i>Example:</i> $6x + 12 \equiv 6(x)$ Binomials – The sum or dif terms e.g. $7x + 3$ or $2x$ Expand – re-write without doing a multiplication. <i>Example:</i> $4(x - 2) \equiv 4x$ – Quadratic Expression – An where the highest power is $x^2 + 5x + 3$	The highest by two or more at is true for all now an identity. The highest and a second second second second second and a second secon	 Conjecture – A statement that has not yet been rigorously proved. Factors - An integer that divides exactly into a number without a remainder Multiples – The result of multiplying a number by an integer. Primes – An integer that is only divisible by one and itself. Even numbers – Any integer that ends with 0, 2, 4, 6 or 8 Odd numbers – Any integer that ends with 1, 3, 5, 7 or 9 Satisfy – to make something true or correct. A solution will satisfy an equation if it is correct. Prove – A method to convince or justify that a certain statement is true. 	Faces - the fill Vertex - a co meet. The pl Edge - a line Prism - a 3D and the sam Polygons - 2 Plan view - the Side elevatio Front elevat Volume - the object takes Surface area dimensional Net - a patte and fold to m A net can be shape.	lat surfaces on orner where tw lural of a verte segment whe shape that ha e cross section D shapes mad the view of an on - looking at ion - looking at ion - looking at e amount of sp up. It is measu a - the total are shape. It is measu ern made up of nake a model of used to calcu	a solid 3D shape. I o or more line segnations re two faces meet. s identical end face n all along its lengt e up only of straig object from above an object from a solid it an object from the pace that a 3 dimensions and all faces of a easured in square f polygons that you of a solid shape. late the surface ar	;ments es, flat faces h. ht sides. e it. iide. he front. nsional e.g. cm ³ 3 units e.g. m ² u can cut ea of a 3D