

Unit 6b: Interior and Exterior angles of polygon	Year 9 Road Map
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In this unit you will learn about number. The aims are as follows:

LG1: Knowledge **LG2:** Application **LG3:** Skills

S/N	Level	Learning Goals/Outcomes/Content	Dr Frost Videos	 R	 A	 G
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6b) Interior and Exterior angles of polygon						
1	S	Recognise and name pentagons, hexagons, heptagons, octagons and decagons;	25b			
2	SC	Understand ‘regular’ and ‘irregular’ as applied to polygons;	78a			
3	SCE	Calculate and use the sums of the interior angles of polygons;	261e			
4	SCE	Use the sum of the interior angles of an n -sided polygon;	261c			
5	SCE	Use the sum of the exterior angles of any polygon is 360° ;	261d			
6	SCE	Identify shapes which are congruent (by eye);	290a			
7	SCE	Identify similar shapes	129a			
8	SCE	Find the size of each interior angle, or the size of each exterior angle, or the number of sides of a regular polygon, and use the sum of angles of irregular polygons;	261h 261i			
9	CE	Calculate the angles of regular polygons and use these to solve problems;	261k			
10	CE	Use the side/angle properties of compound shapes made up of triangles, lines and quadrilaterals, including solving angle and symmetry problems for shapes in the first quadrant, more complex problems and using algebra;	261n 262l			
11	CE	Use angle facts to demonstrate how shapes would ‘fit together’, and work out interior angles of shapes in a pattern.	261f			
12	CE	Explain why some polygons fit together and others do not;	261l			

Student’s comments and questions: