

Maths Year 7 Constructions, Geometric notation and reasoning

Year group 7	Subject: Constructions, Geometric notation and reasoning.
Prior learning- linked to National curriculum	Students would have seen, measuring, classifying and drawing angles in KS3 as well as being familiar with angle sums involving triangles and some quadrilaterals.
Rationale	Geometry had been highlighted as an area of focus following data from Year 7 and 11 so we have decided to have a focus on this unit in Term 4 and give this more time to ensure it's being taught as well as possibly. We have ensured that there is sufficient time in this term to enable students to deepen understanding needed for geometry and to ensure that they have the time to consolidate their learning and time for deepening understanding.
Vocabulary:	Keywords: Angle, Acute, Obtuse, Reflex, Parallel, Perpendicular, Polygon, Vertically opposite,
Cultural Capital:	Elements of this unit are quite abstract, but applying the skills to certain jobs like construction, architecture and engineering, will be a good way for students to see the cultural capital available from this unit.
Key assessments- name the assessments	<p>Mini Assessments on:</p> <p>Unit 10 - Constructions and geometric notation Drawing, classifying and measuring angles (with notation) Types of triangles, quadrilaterals and polygons</p> <p>Unit 11 - Geometric Reasoning Calculate angles at a point, On a straight line and vertically opposite angles Calculate angles in triangles and quadrilaterals</p> <p>In addition a unit wrapper covering these topics will ensure any gaps are identified and sorted</p>
What do children know/ can do now (EDSM)	<p>Emerging students Will be able to name types of angles and complete simple calculations</p> <p>Mastered Students Will be able to solve more complex problems involving angles in triangles, quadrilaterals and other polygons, as well as using correct notation throughout.</p>