



Key Stage 3 progress grid

Subject Maths **Year** 9 **Topic / skill area** Shapes and angles

Trajectory	I am able to.....
T9, T8	<input type="checkbox"/> Prove whether two triangles are similar <input type="checkbox"/> Produce conclusions based on mathematical evidence
T7	<input type="checkbox"/> Prove whether two triangles are congruent <input type="checkbox"/> Apply my knowledge of interior and exterior angles to find the number of sides of a polygon
T6	<input type="checkbox"/> Prove whether a shape will tessellate <input type="checkbox"/> Calculate the interior angle of a polygon <input type="checkbox"/> Calculate missing lengths on a triangle by calculating the scale factor. <input type="checkbox"/> Use angle properties on parallel lines
T5, T4	<input type="checkbox"/> Apply my knowledge of constructions to form angles of a given size <input type="checkbox"/> Tessellate a shape <input type="checkbox"/> Give reasons for the size of angles using mathematical terminology <input type="checkbox"/> Calculate the exterior angle of a polygon <input type="checkbox"/> Find missing angles by performing multistep calculations <input type="checkbox"/> Find missing lengths on similar triangles given a scale factor
T3	<input type="checkbox"/> Perform constructions (including perpendicular bisector and angle bisector) <input type="checkbox"/> Calculate missing angles in a quadrilateral <input type="checkbox"/> Calculate missing angles in a triangle <input type="checkbox"/> Recognise when two triangles are congruent
T2, T1	<input type="checkbox"/> Use mathematical notation when labelling lines and angles <input type="checkbox"/> Construct triangles using a compass and protractor. <input type="checkbox"/> Recall and use angle properties at a point

