** Mathematics Faculty**

**Unit 7 Overview**

**Angles and Constructions**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Angles and Constructions** | I can understand and use angle notation |  |  |  |
| I can construct ASA, SAS and SSS triangles |  |  |  |
| I can calculate right angles, angles on a line, on a point and vertically opposite angles |  |  |  |
| I can calculate missing angles in triangles and quadrilaterals |  |  |  |
| I can calculate angles in parallel and intersecting lines |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Constructing triangles given ASA, SAS and SSS (CM clips 81, 82 & 83) | Formative assessment strategies e.g. MWBs, whole class questioning, Diagnostic Questions, SLOP time with self-assessment, Live Marking etc.  Assessment is also supported with our use of ILOs, which alternate between Basic Skills Checks one week and then a more individual ILO the following set through Mathswatch and Corbettmaths (see learning focus).  Finally every unit is assessed half termly as part of our Assessment Calendar in Mathematics. | triangle, angle, draw, construct,  protractor, acute, obtuse |
| **2** | Calculating right angles, angles on a straight line, angles at a point and vertically opposite angles (MW clip G13 and CM clips 34, 35, 30 & 39) | right angle, straight line, point,  vertically opposite |
| **3** | Calculate missing angles in triangles and special triangles (MW clip G17 and CM clip 37) | triangle, calculate, angle, acute, obtuse, reflex, scalene, isosceles, equilateral |
| **4** | Calculating missing angles in quadrilaterals and special quadrilaterals (CM clip 33) | quadrilateral, calculate, angle, right angle, square, rectangle, parallelogram, rhombus, kite, trapezium |
| **5** | Calculating alternate and corresponding angles (MW clip G18 and CM clip 25) | horizontal, vertical, parallel,  perpendicular, intersecting,  corresponding, alternate |
| **6** | Calculating co-interior angles (MW clip G18 and CM clip 25) | horizontal, vertical, parallel,  perpendicular, intersecting, co-interior, corresponding, alternate |