**Mathematics Faculty**

**Unit 7 Overview**

**Angles and Constructions**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Angles and Constructions** | I can estimate the size of angles |  |  |  |
| I can measure and construct angles accurately |  |  |  |
| I can construct ASA and SAS triangles |  |  |  |
| I can calculate right angles, angles on a straight line, angles at a point and vertically opposite angles |  |  |  |
| I can calculate missing angles in triangles and quadrilaterals |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Estimating the size of angles (CM clip 29) | 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. | estimate, acute, right angle, obtuse, reflex, accuracy, degrees |
| **2** | Measuring the size of angles accurately (MW clip G10b and CM clip 31) | protractor, accurate, line, vertex, scale, measure, degrees |
| **3** | Constructing angles accurately (MW clip G10c and CM clip 28) | protractor, accurate, line, vertex, scale, construct, degrees |
| **4** | Constructing ASA and SAS triangles (CM clips 81 & 82) | construct, procedure, angle, side, compass, equal |
| **5** | Calculating right angles and angles on a straight line (MW clip G13 and CM clips 34 & 35) | subtract, add, 90 degrees, 180 degrees, missing angles |
| **6** | Calculating angles at a point and vertically opposite angles (MW clip G13 and CM clips 30 & 39) | subtract, add, 360 degrees, missing angles, equal |
| **7** | Calculating missing angles in triangles (MW clip G17and CM clip 37) | triangle, equilateral, isosceles, scalene, right angle, 180 degrees, sum, total, subtract |
| **8** | Calculating missing angles in quadrilaterals (CM clip 33) | quadrilateral, four, 360 degrees, sum, total, subtract, symmetry, parallel |