**** **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 triangles accurately given sides and angles |  |  |  |
| I can calculate interior and exterior angles of polygons |  |  |  |
| I can calculate angles in parallel and intersecting lines |  |  |  |
| I can read, draw and calculate bearings |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Constructing ASA, SAS and SSS triangles (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.  Finally every unit is assessed half termly as part of our Assessment Calendar in mathematics | triangle, angle, draw, construct,  protractor, acute, obtuse |
| **2** | Calculating interior angles of polygons (MW clip G19 and CM clip 32) | angle, degrees, regular, interior, polygon, edges, vertices |
| **3** | Calculating exterior angles of polygons (MW clip G19 and CM clip 32) | angle, degrees, regular, exterior, polygon, edges, vertices |
| **4** | Calculating alternate and corresponding angles (MW clip G18 and CM clip 25) | horizontal, vertical, parallel,  perpendicular, intersecting,  corresponding, alternate |
| **5** | Calculating co-interior angles and solving problems involving alternate, corresponding and co-interior angles (MW clip G18 and CM clip 25) | horizontal, vertical, parallel,  perpendicular, intersecting, co-interior, corresponding, alternate |
| **6** | Reading, drawing and calculating bearings (CM clips 26 & 27) | protractor, measure, bearing, three-figure, clockwise, north, angle |