** Mathematics Faculty**

**Year 8 Spring Term 2 – Theta Scheme**

**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, angles 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, set through Century Learning and Corbettmaths.  Finally, units are assessed through skills checks and half termly assessments, 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 (CM clips 34, 35, 30 & 39) | right angle, straight line, point,  vertically opposite |
| **3** | **Calculate missing angles in triangles** (CM clip 37) | triangle, calculate, angle, acute, obtuse, reflex, scalene, isosceles, equilateral |
| **4** | **Calculating missing angles in quadrilaterals** (CM clip 33) | quadrilateral, calculate, angle, right angle, square, rectangle, parallelogram, rhombus, kite, trapezium |
| **5** | Calculating alternate and corresponding angles (CM clip 25) | horizontal, vertical, parallel,  perpendicular, intersecting,  corresponding, alternate |
| **6** | Calculating co-interior angles (CM clip 25) | horizontal, vertical, parallel,  perpendicular, intersecting, co-interior, corresponding, alternate |