**Mathematics Faculty**

**Year 7 Spring Term 2 – Pi Scheme**

**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. **Measuring the size of angles accurately.** (CM clips 29 & 31) | 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. | estimate, acute, right angle, obtuse, reflex, accuracy, degrees, protractor, accurate, line, vertex, scale, measure, degrees |
| **2** | **Constructing angles accurately** (CM clip 28) | protractor, accurate, line, vertex, scale, construct, degrees |
| **3** | Constructing ASA and SAS triangles (CM clips 81 & 82) | construct, angle, side, protractor, measure |
| **4** | **Calculating right angles and angles on a straight line** (CM clips 34 & 35) | right angle, straight line, degree, sum, total |
| **5** | **Calculating angles at a point and vertically opposite angles** (CM clips 30 & 39) | angle, point, degree, vertically opposite, equal |
| **6** | Calculating missing angles in triangles (CM clip 37) | triangle, equilateral, isosceles, scalene, right angle, degrees, sum, total |
| **7** | Calculating missing angles in quadrilaterals (CM clip 33) | quadrilateral, degrees, sum, total |