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**Mathematics Faculty**

**Year 10 Foundation – Spring Term 2**

**Unit 7 Overview – Angles**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Angles** | I can apply mixed angle properties. |  |  |  |
| I can calculate interior and exterior angles. |  |  |  |
| I can calculate angles in parallel and intersecting lines. |  |  |  |
| I can measure, draw and calculate bearings. |  |  |  |
| I can use the basic congruence criteria for triangles. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Applying mixed properties of angles e.g. angles on a straight line, angles at a point, vertically opposite angles, angles in triangles and quadrilaterals (CM clips 30, 33, 35, 37 & 39) | 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, Corbettmaths, Dr Frost Maths and Justmaths.  Finally, units are assessed through skills checks and half termly assessments, as part of our Assessment Calendar in Mathematics. | angle, straight line, point, vertically opposite, triangle, equilateral, isosceles, scalene, right-angle, quadrilateral, rectangle, parallelogram, trapezium, kite |
| **2** | **Calculating interior angles of polygons** (CM clip 32) | angle, polygon, interior, triangle, side |
| **3** | **Calculating exterior angles of polygons** (CM clip 32) | angle, polygon, exterior, interior, straight line |
| **4** | **Calculating angles in parallel and intersecting lines** (CM clip 25) | angle, parallel, intersecting, alternate, corresponding, co-interior |
| **5** | Measuring and drawing bearings (CM clips 26 & 27) | bearing, angle, direction, measure, protractor |
| **6** | Calculating the bearing of a point form another point (CM clip 27a) | bearing, angle, direction, co-interior |
| **7** | Using the basic congruence criteria for triangles i.e. SSS, SAS, ASA, RHS (CM clips 66 & 67) | triangle, congruence, congruent, side, angle, hypotenuse, reflection, rotation, translation |