| Capacity | Capacity Breakdown (Content Descriptor and Standard) | Explanation (Elaboration - AusVELS) THIS WOULD BE HIDDEN | LEARNM |  |  |  |  |  | GOMG Further |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | EVIDENCE Sample 1 | EVIDENCE Sample 2 | EVIIENCE Sample 3 | Wisdom (I can teach others) | Evidence of Wisdom <br> (I have taught others) <br> Student Name Hyperlink to Student Tutorial |
|  |  |  |  |  |  | Pre-test? | Student Work | Post-test? |  |  |
| Angle Knowledge, Skills and Abilities | Identify angles as measures of turn and compare angle sizes in everyday situations (ACMmG064) | *Opening doors partially and fully and <br> comparing the size of the angles created <br> * Recognising that analogue clocks use the <br> turning of fars to inidicate time, and comparing <br> the size of angles between the arms for familiar <br> times |  |  |  |  |  |  |  |  |
|  | They use angle size as a measure of turn in real situations. |  |  |  |  |  |  |  |  |  |
|  | Compare angles and classify them as equal to, greater than or less than a right angle (ACMMG089) | $\begin{aligned} & * \text { Creating angles and comparing them to a right } \\ & \text { angle using digital technologies } \end{aligned}$ |  |  |  |  |  |  |  |  |
|  | They classity angles in relation to a right angle. |  |  |  |  |  |  |  |  |  |
|  | Estimate, measure and compare angles using degrees. <br> Construct angles using a protractor (ACMMG112) | * Measuring and constructing angles using both $180^{\circ}$ and $360^{\circ}$ protractors * Recognising that angles have arms and a vertex, and that size is the amount of turn required for one arm to coincide with the other |  |  |  |  |  |  |  |  |
|  | They estimate angles, and dse protractors and <br> digital technology to construct and measure <br> different angles. |  |  |  |  |  |  |  |  |  |
|  | at a point and vertically opposite angles. Use results to find unknown angles (ACMMG141) |  |  |  |  |  |  |  |  |  |
|  | They solve problems using the properties of angles |  |  |  |  |  |  |  |  |  |
|  | Investigate conditions for two lines to be using reasoning <br> (ACMMG164) | * Constructing parallel and perpendicular lines <br> using their properties, a pair of compasses and <br> a ruler, and dynamic geometry software <br> $*$ <br> * Defining and identiting the relationships <br> between alternate, corresponding and co-interior <br> angles for a pair of parallel lines cut by a <br> transversal |  |  |  |  |  |  |  |  |
|  | Demonstrate that the angle sum of a triangle is $180^{\circ}$ and use this to find the angle sum of a quadrilateral | * Using concrete materials and digital triangle and quadrilateral |  |  |  |  |  |  |  |  |
|  | Classify triangles according to their side and angle properties and describe quadrilaterals (ACMMG165) | Identifying side and angle properties of scalene, isosceles, right-angled and obtuse angled triangles <br> * Describing squares, rectangles, rhombuses, parallelograms, kites and trapeziums |  |  |  |  |  |  |  |  |
|  | Identify corresponding, alternate and cocrossed by a transversal (ACMMG163) | * Defining and classifting pairs of angles as compementary, supplementary, adijacent and vertically opposite |  |  |  |  |  |  |  |  |
|  | Students name the types of angles formed by a numerical problems involving these lines and angles. |  |  |  |  |  |  |  |  |  |

