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| It is expected that students can . . . | Emergent | Proficient | Master |
| **Measurement – Use direct and indirect measurement to solve problems** |  |  |  |
| Solve problems and justify the solution strategy, using the following circle properties:  • the perpendicular from the centre of a circle to a chord bisects the chord  • the measure of the central angle is equal to twice the measure of the inscribed angle subtended by the same arc  • the inscribed angles subtended by the same arc are congruent  • a tangent to a circle is perpendicular to the radius at the point of tangency. [C, CN, PS, R, T, V] [ICT: C6–3.1, C6–3.4] |  |  |  |
| **3-D Objects and 2-D shapes - Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.** |  |  |  |
| Determine the surface area of composite 3-D objects to solve problems. [C, CN, PS, R, V] |  |  |  |
| Demonstrate an understanding of similarity of polygons. [C, CN, PS, R, V] |  |  |  |
| **Transformations- Describe and analyze position and motion of objects and shapes.** |  |  |  |
| Draw and interpret scale diagrams of 2-D shapes.  [CN, R, T, V] [ICT: C6–3.4] |  |  |  |
| Demonstrate an understanding of line and rotation symmetry.  [C, CN, PS, V] |  |  |  |

Shape and Space