## C2.0 Investigations into Mathematics Unit 3 Course Outline

## Expressing Geometric Relationships

| Topic | Instructional Foci |
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|  | In this topic, students extend their understanding of perimeter and area beyond polygons to include circles. They develop an <br> understanding of pi as a ratio and use this ratio to determine area and circumference. Students continue to apply their understanding of <br> composition and decomposition of shapes to find the area of composite figures and surface area of 3D figures. Students utilize |
| drawings and physical models to visualize 3D figures, determine their volume, and describe their attributes when sliced by a plane. |  |
| They will solve real-world and mathematical problems involving area, volume, and surface area of two- and three-dimensional objects |  |
| composed of triangles, quadrilaterals, polygons, cubes, and right prisms. |  |
| Concepts: |  |

