

# Year 12 M6:Foundation Tier

## Geometry and Measure Overview

### **Learning Outcomes**

You should be able to:

- understand and use bearings;
- calculate and use the sums of the interior and exterior angles of polygons;
- distinguish properties that are preserved under particular transformations;
- describe and transform 2D shapes using reflections in lines parallel to the  $x$  or  $y$  axis;
- describe and transform 2D shapes using rotations about any point;
- describe and transform 2D shapes using translations, to include using vector notation;
- understand and use the effect of enlargement on perimeter, area of shapes;
- understand the term congruent;
- use the standard ruler and compass constructions;
- identify the loci of points, including real life problems;