

| Maths Aotearoa Book 3B | Support Material available from Wilkie Way website wilkieway.co.nz: membership area (subscription) |
| :---: | :---: |
| Unit 6 Geoemtric Properties | Teacher Professional Resources: |
| Chapter 16 Triangles and Angles <br> - Describe and name different sorts of triangles <br> - Discover angles in a triangle always add to $180^{\circ}$ <br> - Investigate side length relationships in right angle triangles <br> - Investigate angles within a square <br> Chapter 17 Parallel and Perpendicular lines <br> - Use language parallel and perpendicular in meaningful contexts <br> - Introduce parallelogram and rhombus <br> - Extend the description of properties to identify specific quadrilaterals <br> Chapter 18 Prisms and Pyramids <br> - Describe the attributes of prisms and pyramids using correct geometric language <br> - Explore building pyramids and prisms (e.g. using polydron) <br> - Design nets for specific prisms | Curriculum Knowledge: Measurement <br> Pocket Guide: Further Developing Geometric Thinking <br> Geometric Progressions <br> Student Resources: <br> Geometric problems <br> Video Lessons <br> Lines angles and triangles <br> Drawing plane shapes |
| Unit 7 Transformations <br> Chapter 19 Rotations, Reflections and Translations <br> - Recognise reflective and rotational symmetry <br> - Understand the difference between reflective and rotational symmetry <br> - Describe translation on a grid <br> - Design patterns involving reflection, rotation and translation |  |
| Unit 8 Position and Orientation <br> Chapter 20 Maps and Pathways <br> - Interpret and use scales to give actual distances <br> - Use compass points to describe direction <br> - Use co-ordinates or grid references to describe position and pathways <br> - Investigate flight paths |  |

