

# NSW Mathematics K -10 Curriculum Objectives Addressed Within Numbers Up! 2 Baggin' the Dragon



Age	Level	NSW Level	Graphs	Length	Area
4-7	1-2	Level 1	<ol style="list-style-type: none"> <li>1. Compare groups using pictorial presentation.</li> <li>2. Compare groups using objects to represent other objects. Read and interpret graphs made from objects.</li> </ol>	<ol style="list-style-type: none"> <li>1. Describe objects in terms of length. Describe distances informally using such terms as <i>near</i> and <i>far</i>.</li> <li>2. Compare directly the lengths of two objects.</li> <li>3. Compare indirectly the lengths of two objects that cannot be moved. Describe relative distances using such terms as <i>nearer</i> and <i>further</i>.</li> <li>4. Select objects which are about the same length as a given object. Compare the lengths of objects by direct or indirect comparison. Compare the distances between objects.</li> <li>5. Order a group of three objects according to length using direct and indirect comparison. Order the distances between three objects.</li> <li>6. Measure linear dimensions of objects with informal units.</li> <li>8. Recognise a metre length.</li> </ol>	<ol style="list-style-type: none"> <li>1. Describe surfaces of familiar objects. Cover surfaces.</li> <li>2. Recognise lines (open curves) and shapes (closed curves). Use and understand the term <i>area</i> when applied to familiar objects in the environment.</li> <li>3. Compare two shapes by superimposing.</li> <li>4. Cover a shape with informal units and count the number used. Compare areas using informal units.</li> <li>5. Order the areas of three shapes by direct comparison.</li> </ol>

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Age	Level	NSW Level	Graphs	Length	Area
				Estimate and measure to the nearest metre and half-metre.	
8 - 10		Level 2	3. Compare groups represented by tally marks. 4. Construct and interpret column graphs.	9. Recognise the need for a unit smaller than the metre. 10. Estimate and measure the lengths of objects in metres and/or centimetres. Relate 100 centimetres to one metre. 11. Record measurements in metres and centimetres using decimal notation.	8. Measure surfaces using square centimetres. Compare areas by measuring with square centimetres.
10-12		Level 3	2. Construct and interpret picture graphs. 3. Interpret line graphs. Interpret pie graphs and bar graphs.	9. Record measurements in kilometres. 10. Record measurements in millimetres.	9. Recognise and use the square kilometre and the hectare. 10. Describe the relationship between length, breadth and area. Use this relationship to calculate areas of rectangles.