

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



Age	Level	NSW Level	Volume	Time	Mass
4-7	1-2	Level 1	<ol style="list-style-type: none"> 2. Compare the volumes of two objects by observation. Order three objects according to volume. 5. Fill a container with objects and count the number of units used. Select appropriate informal units. 6. Order three containers of distinctly different capacity. 	<ol style="list-style-type: none"> 1. Understand and use terms like daytime, night-time, yesterday, today, tomorrow, all day, a long while, a short while, morning, afternoon. 2. Sequence events within one day. Sequence events over more than one day. 3. Use the names of the days of the week. Identify significant times relevant to daily life. 4. Compare the durations of two or three events. 5. Use informal units to show the passage of time. 6. Use a calendar to describe the day and date. Name and order the months of the year and the seasons. 7. Demonstrate an awareness of the duration of time related to an hour, a minute, a second. 8. Tell time on the hour on both digital and analog clocks. 	<ol style="list-style-type: none"> 4. Predict the action of an equal arm balance when a heavy object is placed in one pan and a lighter object in the other. 7. Compare masses. 8. Order masses by measuring with informal units.

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8 - 10		Level 2	<p>7. Build models with boxes or blocks and count the number of units used.</p> <p>8. Compare a variety of models using the same number of unit blocks.</p> <p>11. Relate the litre to everyday containers. Estimate and measure to the nearest litre. Recognise the symbol for the litre (L).</p> <p>12. Use a one litre container calibrated in multiples of 100mL, 10mL, 1mL. Measure the capacity of containers to the nearest 100mL, 10mL, 1mL</p>	<p>9. Tell time on the half hour using digital and analog clocks.</p> <p>10. Read and write digital time in hours and minutes.</p> <p>11. Tell the time in one-minute intervals using both analog and digital clocks.</p> <p>12. Compare seconds, minutes, hours, days, weeks, months. Select an appropriate unit for measuring time.</p> <p>13. Recognise and read time using a.m. and p.m. notation. Read and interpret timetables.</p> <p>14. Recall time facts and relationship between time units.</p>	<p>10. State the mass of objects in kilograms and half kilograms.</p> <p>11. Locate the mass of an object between 100g divisions.</p>
10- 12		Level 3	<p>13. Recognise the relationship between 1 millilitre and 1 cubic centimetre.</p> <p>14. Recognise instances where it is</p>	<p>15. Read and interpret timetables and timelines. Express 24 hour time in a.m./p.m. form and vice versa.</p> <p>17. Understand what is meant by the speed</p>	<p>12. Measure the mass of an object under 4kg to the nearest gram.</p> <p>14. Recognise the need for the tonne.</p>

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Age	Level	NSW Level	Volume	Time	Mass
			appropriate to measure in cubic metres. 15. Investigate the relationships between cubic centimetres, millilitres, litres, grams and kilograms.	of an object. Determine the average speed of an object, given the necessary data. 18. Determine local time in various time zones of Australia.	Find examples of masses measured in tonnes.