Y3-6 Maths – Term 3 Measurement Focus

In Term 3, students will focus on developing and applying their understanding of **measurement**. This includes measuring and comparing **length, perimeter, area, mass (weight), capacity and volume** using appropriate metric units. Students will learn to estimate, measure, record and compare measurements, as well as solve practical problems involving measurement.

Students will also continue developing their understanding of **time**, including reading and interpreting analogue and digital clocks, using calendars and timetables, calculating elapsed time, and applying their knowledge of time to real-life situations.

Students will investigate measurement through hands-on activities, problem-solving tasks, games and practical experiences, helping them develop confidence in using mathematics to understand and describe the world around them.

Families can support learning at home by:

- Encouraging your child to estimate measurements before checking with a ruler, tape measure, scales or measuring jug.
- Measuring objects around the home using appropriate metric units, such as **millimetres, centimetres, metres, grams, kilograms, millilitres and litres**.
- Discussing why different units are used. For example, *"Would we measure the distance between Melbourne and Sydney in centimetres or kilometres?"*
- Measuring the perimeter of everyday objects such as tables, books, gardens or rooms.
- Finding the area of simple spaces using square tiles, grid paper or by estimating and measuring length × width.
- Comparing the mass of household items using kitchen scales and discussing which objects are heavier or lighter.
- Reading food labels and comparing the mass or capacity of items in the pantry or fridge. Also great to do this when shopping. You can discuss value for money at the same time.
- Cooking or baking together and accurately measuring ingredients using grams, kilograms, millilitres and litres.
- Exploring capacity by estimating how much different containers will hold before measuring.
- Reading analogue and digital clocks throughout the day and discussing the time using both 12-hour and 24-hour formats.
- Solving time problems together, such as:
    - *"If a movie starts at 6:45 pm and finishes at 8:30 pm, how long does it go for?"*
    - *"If we leave home at 8:10 am and arrive at school at 8:35 am, how long was the journey?"*
- Using calendars, schedules or family timetables to plan events and calculate how long activities will take.
- Playing games or completing challenges that involve estimating, measuring, timing and problem-solving.
- Look at the local bus and train timetables. Discuss how to tell what time the next bus/train will depart from the station closest to your house.

Measurement Challenges – Choose as many as you like!

The activities below increase in difficulty. Your child does not need to complete every activity. Choose the ones that best match their stage of learning:

📏 Length and Measurement

- Estimate the length of five objects around your home. Measure them and compare your estimates.
- Find three objects that would be best measured in **millimetres, centimetres and metres**.
- Measure the perimeter of your bedroom, garden or another space.
- Design a dream bedroom and label the measurements of the furniture and room.

⚖️ Mass and Capacity

- Find five items at home measured in **grams or kilograms**.
- Order three objects from lightest to heaviest. Check using kitchen scales if available.
- Estimate which container will hold the most water. Test your prediction.
- Help cook a meal and accurately measure ingredients.

⏰ Time

- Read the clock at different times throughout the week.
- Record the time you wake up, leave for school, complete homework or go to bed.
- Calculate how long everyday activities take.
- Create a timetable for a family activity or weekend day.
- Challenge someone at home with an elapsed time problem.

⭐ Real-Life Measurement Challenge

Choose something at home that could be measured.
Before measuring, make a prediction. Then measure accurately and compare your answer.

Examples:

- How far can you jump? Who can jump the furthest in your family?
- How much water does a bottle hold?
- How long does it take to walk around the block?
- How much does your school bag weigh?

Even a few minutes of measurement talk each day helps children build confidence and enjoyment in Mathematics. Everyday activities such as cooking, shopping, travelling, gardening, building and planning family activities provide valuable opportunities to apply measurement skills in meaningful ways.