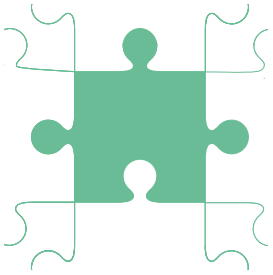


Measures: Measuring – Suggestions for teaching

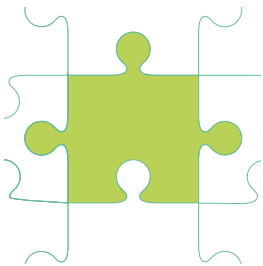
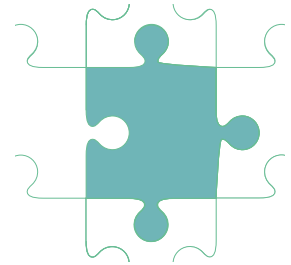


FOSTERING PRODUCTIVE DISPOSITION

- Highlight the important part that measuring plays in our everyday lives.
- Encourage children to explore how adults use measuring at home and in the workplace.
- Engage children in meaningful self-assessment and reflection of measuring tasks.

ENCOURAGING PLAYFULNESS WITH MATHEMATICS

- Provide children with opportunities to develop their understanding of measuring through actively engaging with non-standard and standard units of measurement.
- Establish an estimation station in the classroom focusing on measuring and use benchmarks to support children in comparing measurements.
- Challenge children to demonstrate their measuring through fun games and activities, e.g., *STEM challenges, measuring the distance of paper airplanes or toy cars, measuring liquids for potions, baking, etc.*

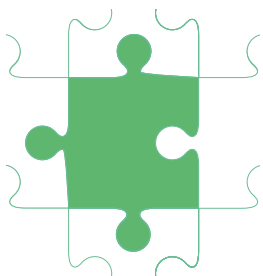
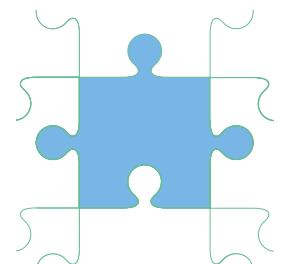


USING COGNITIVELY CHALLENGING TASKS

- Allow children to explore a variety of real-life problems which appropriately deepen their understanding of measuring and challenge misconceptions.
- Promote a positive learning environment which values and encourages different ways of solving measuring problems.
- Provide opportunities for children to collectively grapple with challenging measuring tasks and to collectively share and reflect on their experiences.

EMPHASISING MATHEMATICAL MODELING

- Encourage children to choose measuring instruments and discuss which are the most appropriate.
- Select tasks and activities that relate to the children's life experiences allowing them to determine meaningful solutions to problems.
- Encourage children to create their own measurement tasks allowing them to explore and make sense of measuring.



PROMOTING MATHS TALK

- Provide opportunities for children to discuss how they use measuring in their daily lives.
- Use photographs and video clips as a stimulus to discuss how measuring is used in the real world, e.g., *the Olympics, TV shows relating to cookery, travel, interior design.*
- Encourage the use of measures related vocabulary across the curriculum, e.g., *measuring distances in P.E., measuring paint in Art.*