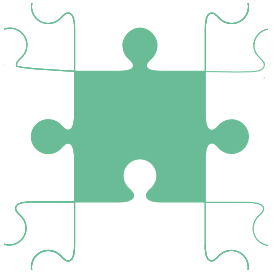


Data and chance: Data – Suggestions for teaching

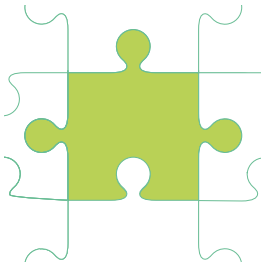
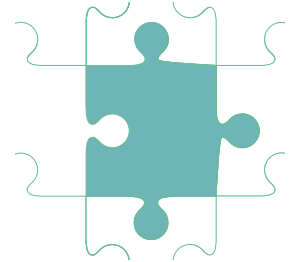


FOSTERING PRODUCTIVE DISPOSITION

- Highlight examples of data collection and its role in our everyday lives, particularly in influencing our choices.
- Explore how people use data in various fields and how this enhances the way we live and work in the world.
- Encourage children to work collaboratively on data tasks, sharing and refining their ideas together.

ENCOURAGING PLAYFULNESS WITH MATHEMATICS

- Provide meaningful contexts for data handling activities by using ideas central to the children's lives and interests.
- Ensure children have opportunities to formulate and refine their own ideas for data investigations.
- Use tallies to keep track of children's games.

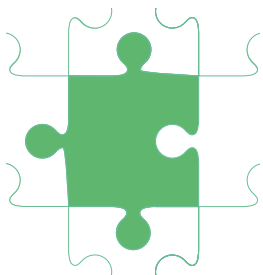
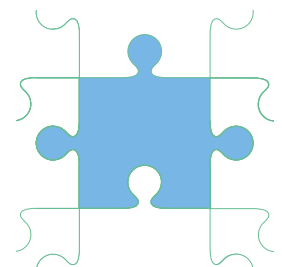


USING COGNITIVELY CHALLENGING TASKS

- Use a cyclical data handling cycle with children with increasing complexity.
- Engage children in discussion about a wide variety of data representations and challenge them to make sense of them.
- Explore the role of data in planning for retail and other businesses, public services, etc.

EMPHASISING MATHEMATICAL MODELING

- Challenge children when sorting sets to sort for a range of attributes and represent these sorting choices.
- Provide children with freedom to design data collection tools and choose an appropriate model to represent data.
- Use digital technology to collect, analyse and represent data, particularly with larger data sets.



PROMOTING MATHS TALK

- Facilitate 'data talk' by encouraging children to look closely at data sets using sentence stems such as 'I wonder...!'
- Ensure children have ample opportunities to analyse and discuss data sets.
- Encourage children to formulate and pose questions based on issues or ideas that are relevant to their own lives.