

Welcome!



Boolean Maths Hub Conference

Let's Play! Maths Games for 4 – 6 Year Olds

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NORTH SOMERSET

Early Years

TEAM

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Workshop Aims



- To consider the value of games
- To share ideas and resources for simple maths games designed to promote children's mathematical development
- To explore the role of the adult when playing games with children.

Why Play Games?



- Games provide a motivating and playful context in which children can develop their mathematical knowledge, skills and understanding.
- Games provide children with opportunities to learn from and with others and can help them to develop/ maintain a positive attitude towards mathematics.
- Games provide an opportunity for children to develop their mathematical vocabulary and ability to explain their thinking. 'Children's thinking often becomes apparent through the actions and decisions they make during a game, so the teacher has the opportunity to carry out diagnosis and assessment of learning in a non-threatening situation' (Way 2011).

Let's Play!



- Treasure Game
- Highest 'Teen' Number Pontoon
- Race to 20
- Race to
- Steer the Number
- Pattern Python

Publication



Early Years Maths Games

a collection of games to help
4-6 year old children develop
their understanding of shape,
measure and pattern

Games devised by Sue Rayner
for The Early Years Team



The Role of the Adult



Adults have a crucial role in supporting children to talk about the mathematics involved in the games.

- Model vocabulary
- Recast incorrect vocabulary
- Encourage children to talk in full phrases/sentences as appropriate
- Think aloud.

Mathematical Reasoning



“The quality of children’s mathematical reasoning and conceptual understanding is significantly enhanced if they are consistently expected to use correct mathematical terminology... and to explain their mathematical thinking in complete sentences.”

NCETM 2015:p.17