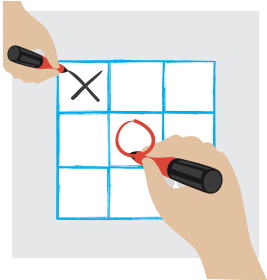


## Logic

### Predicting and analysing

#### Noughts & Crosses



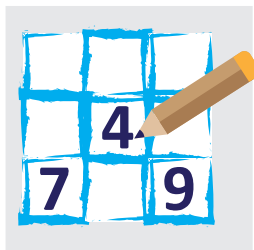
##### Activity

Play this classic game with your child. This game is full of logical thinking. Ask your child to explain where they plan to go with each move and why.

##### Learning

This game encourages your child to think logically about the implications of each move. Encourage them to share their thought process.

#### Magic Square



##### Activity

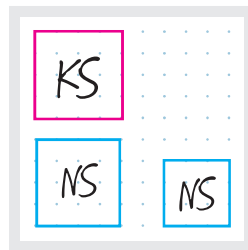
Provide your child with a 3x3 square. Can they add the digits 1-9 using each digit once so that all the rows, columns and diagonals add up to 15? Encourage your child to explain their thinking as they tackle the challenge.



##### Learning

This maths puzzle helps your child develop both trial and improvement, and logical reasoning skills.

#### Boxes



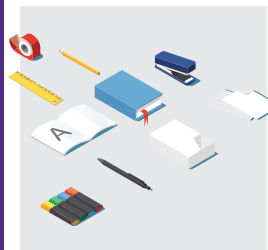
##### Activity

With your child, take turns to join dots with a line on dotted paper. Whoever completes a square puts their initial in it and gets an extra turn. The winner is the player with the most completed squares.

##### Learning

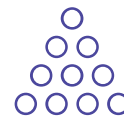
This game encourages your child to think logically about the implications of each move so as not to give their opponent the advantage.

#### Triangles



##### Activity

Ask your child to lay 10 objects to create a flat pyramid pattern:

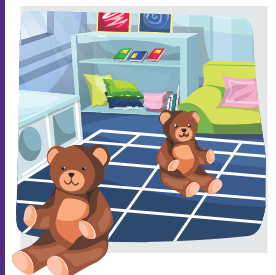


Challenge them to move only three items so the triangle points downwards instead of upwards?

##### Learning

To complete this puzzle your child must think logically about which items to move. Encourage them to share their thought process.

#### Bedroom BattleShips



##### Activity

Play this classic game with your child by creating a giant grid and using a variety of teddys to represent ships. Encourage your child to think logically about where to strike next and why.

##### Learning

Once you've got a 'hit', this game encourages your child to think logically in order to try and sink the ships (teddys) with as few shots as possible.