

A-Maze in a Cereal Box 1 of 5

Teacher Notes and Curriculum Information

Links to The Northern Ireland Primary Curriculum.

Language and Literacy:

By encouraging children to talk and write about their own design and respond to that of others using appropriate language.

Mathematics and Numeracy:

By exploring shape and space, position and movement.

Exploring different ways of solving problems by exploring shape and patterns occurring in the environment.

The World Around Us:

By encouraging children to represent their learning visually.

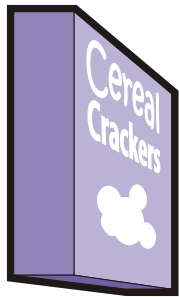
Develop their understanding of the visual elements of shape and space to communicate their ideas. Use a range of materials and processes such as three-dimensional construction, selecting which is appropriate to realise personal ideas and intentions.

Evaluate their own and others' work and how it was made, explain and share their ideas, discuss difficulties and review and modify work to find solutions.

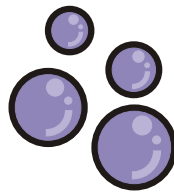
The Arts:

By observing, recording and representing their work through art and design.

RESOURCES



1 x Cereal Box
(for 2 Kids)



1 x Marble



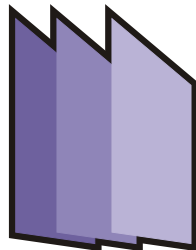
Glue



Ruler



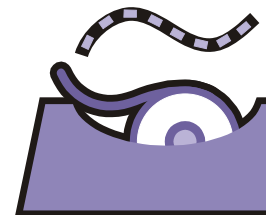
*Optional Material
Scouring Pad



Thin Card



Scissors

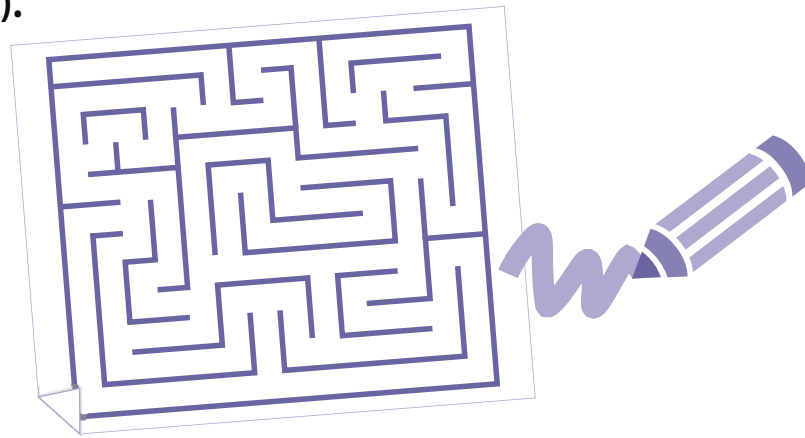


Sticky Tape

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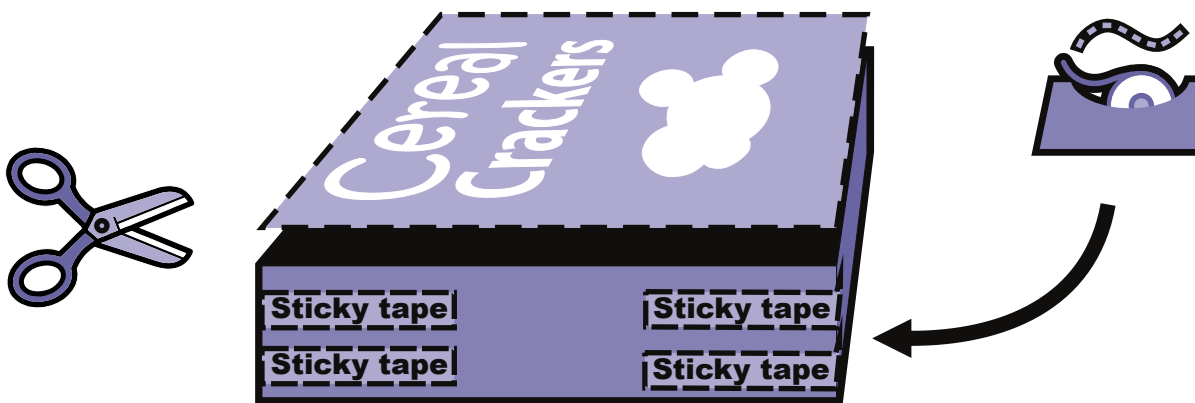
Step One

Ask the children to design a maze on a piece of A4 paper. The paths must be wide enough for a marble to fit in them (An A4 sheet is included if this is too difficult for younger/less able children).



Step Two

Take a cereal box and shut it by using sticky tape. Then carefully cut off the front.



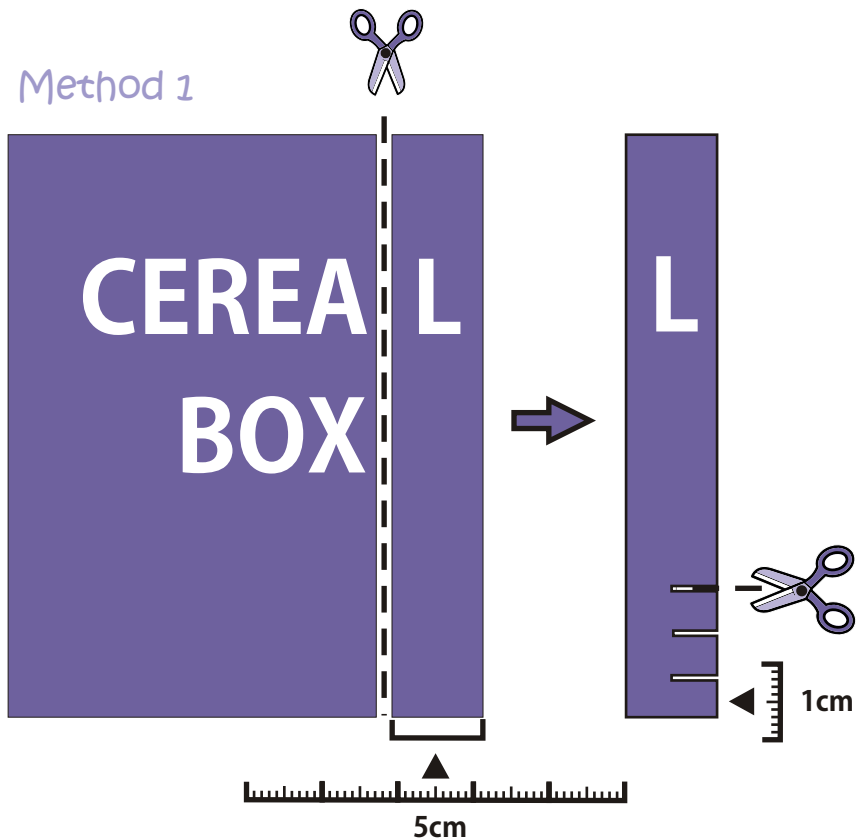
Step Three

Draw your maze on the INSIDE of the BACK of the cereal box (which is now the floor of your maze).

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Step Four - Creating the Barriers

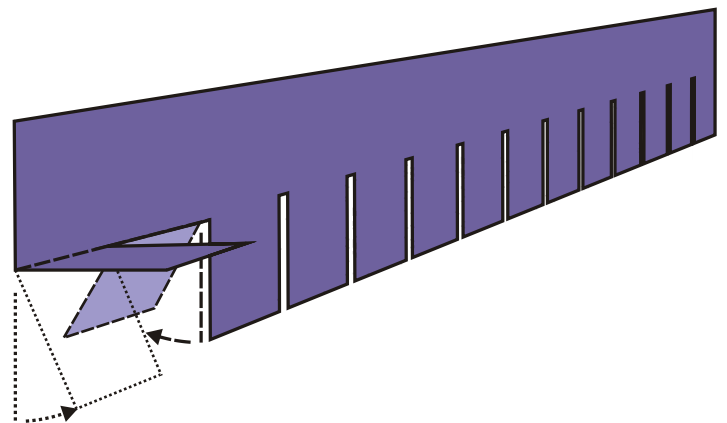
Method 1



Cut the **FRONT** of the cereal box into strips of card about 5cm wide. Make 1cm cuts into the strips as shown.

If more barrier material is required use card of a similar thickness.

Bend the flaps of the strips in alternate directions and then sticky tape the flaps onto the floor of the maze, following the lines you drew in step 3. Use more sticky tape if needed to join strips together. If you need more card, use the thin card.

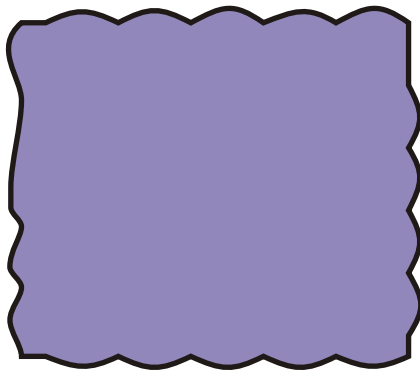


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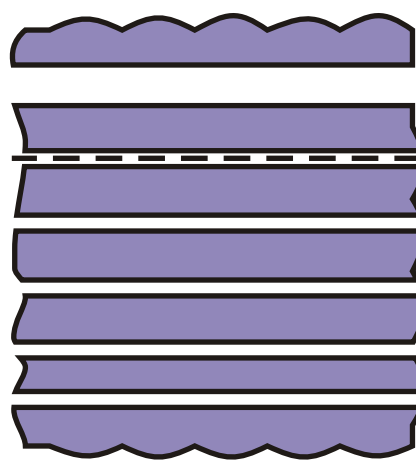
Step Four - Creating the Barriers

Method 2

Large thick scouring pads



Cut the scourers into approx. 1cm wide strips



Glue the cut strips onto the lines drawn on the inside of the cereal box.

Step Five

Put your marble at the start of the maze. Tilt and turn the box until you have moved it all through the maze.

Other Activities using the completed Maze

1. Use a stopwatch. Who can complete each maze in the fastest time?
2. Decorate the mazes. Use different ideas for themes?
3. Evaluate each other's mazes. Whose is the easiest/hardest to complete? Why is that?
4. Start 2 marbles off in different places in the same box. Can you get them both to the end?



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