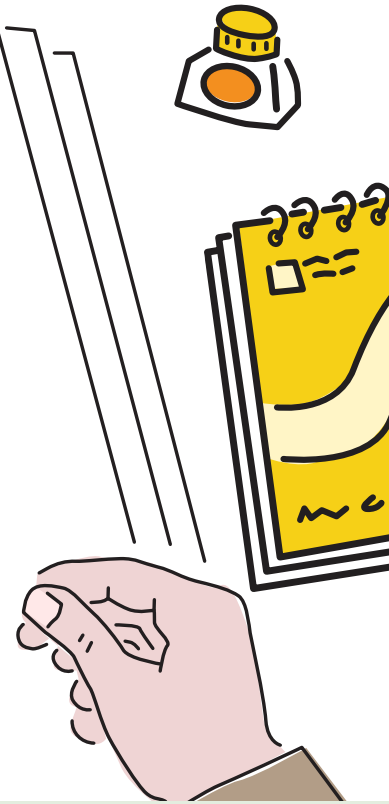
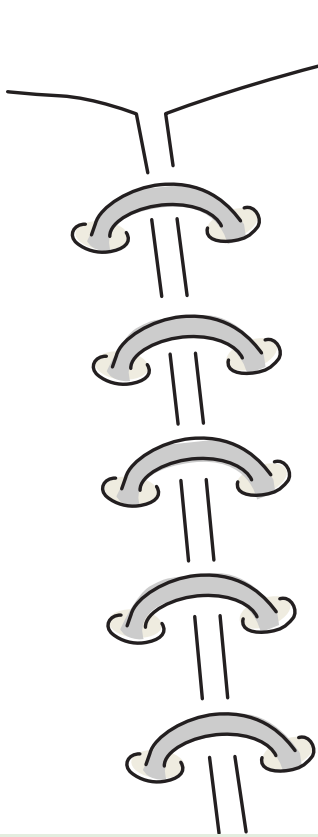


Data and chance: Chance – Suggestions for the learning environment

IDEAS FOR THE CLASSROOM

- Create a likelihood line using string, pictures and clothes pegs to order events from impossible to certain.
- Walking debate to discuss and analyse the likelihood of various events happening, e.g., *Ireland winning the World Cup. Is it likely or unlikely? Possible or impossible?*
- Create combinations of objects, e.g., *cubes and/or counters*, where certain outcomes are the most likely – for example, *a bag of 10 cubes, with 6 of them being red and therefore you are most likely to draw out a red one at random.*
- An ice cream parlour has four flavours – represent all possible outcomes of buying a two-scoop cone.
- Design and make spinners using paper clips to meet certain criteria such as an even chance of landing on red or blue, a 5-coloured spinner with a 25% chance of landing on yellow.
- Use digital technology such as interactive spinners to conduct trials with large numbers.
- Use chance-related vocabulary across other curricular areas regularly.
- Display relevant vocabulary on a word wall and refer to it regularly.



IDEAS OUTSIDE THE CLASSROOM

- Use weather apps to make predictions about the weather. How do weather warnings work? Are they always accurate? Who would rely on weather predictions and why?
- During P.E. class, encourage children to analyse the likelihood of certain outcomes, e.g., *throwing a beanbag into a bucket* – *What factors affect the outcome of the action?*
- Election polls – at times of elections, look at election posters from local candidates and study polls to ascertain the likelihood of a particular outcome.
- Sports outcomes – what is the likelihood of a particular team winning a game or a tournament? Study a group of four teams from a World Cup Tournament and analyse all outcomes from the group stages. Which outcome is most likely and why? Display the outcomes using a tree diagram.
- Show a clip of the gameshow Deal or No Deal. Discuss how the game works and what the chances of winning the jackpot are. Set up a mock game or play an online game – discuss strategy focusing on the chances of particular outcomes.

