## Problem Solving Scope & Sequence

### Core Strategies
To be covered across the whole school within core content/outcomes

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<td>Guess and Check</td>
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### Problem Solving Strategy

- Brainstorm
- Acting Out & Make a Model
- Draw a Picture/ Sketch/ Diagram
- Look for a Pattern
- Guess & Check
- Draw a Table
- Make an Organised List
- Create a Tree Diagram
- Work Backwards
- Simplify the Problem
- Open-Ended Problem Solving
- Use Logical Reasoning
- Analyse & Investigate

### Problem Solving ~ How To

- **See**:
  - Read once - to get an idea of the problem.
  - Read twice - look for the clue words. Identify important data.
  - Read a third time - look for the question. Decide what you are trying to find.

- **Plan**:
  - Consider what you will do.
  - What strategy will best answer this question?

- **Do**:
  - Carry out the plan.
  - Change the plan if necessary.

- **Check**:
  - Reread the question.
  - Have you answered the question?
  - Does your answer make sense?
  - Write your answer in a complete sentence.