

# Appendix 1

## Progression of Problem Solving Strategies

	EARLY LEVEL	FIRST LEVEL			SECOND LEVEL		
	NURSERY & PRIMARY 1	PRIMARY 2	PRIMARY 3	PRIMARY 4	PRIMARY 5	PRIMARY 6	PRIMARY 7
Strategies to introduce	<ul style="list-style-type: none"> <li>• Look for a Pattern</li> <li>• Make Predictions</li> <li>• Draw a picture</li> <li>• Finding all possibilities</li> <li>• Using a Table</li> </ul> <p>(RESOURCE: Badger Level Year 1&amp;2)</p>	<ul style="list-style-type: none"> <li>• Look for a Pattern</li> <li>• Make Predictions</li> <li>• Draw a picture</li> <li>• Finding all possibilities</li> <li>• Using a Table</li> </ul> <p>(RESOURCE: Badger Level Year 1&amp;2)</p>	<ul style="list-style-type: none"> <li>• Draw a Diagram</li> <li>• Act out using Concrete Materials</li> <li>• Guessing and Checking</li> <li>• Creating an Organised List</li> </ul> <p>(RESOURCE: Badger Level Year 3)</p>	<ul style="list-style-type: none"> <li>• Drawing a Table</li> <li>• Draw a Diagram</li> <li>• Act out using Concrete Materials</li> <li>• Guessing and Checking</li> <li>• Creating an Organised List</li> </ul> <p>(RESOURCE: Badger Level Year 4-5)</p>	<ul style="list-style-type: none"> <li>• Drawing a Table</li> <li>• Draw a Diagram</li> <li>• Act out using Concrete Materials</li> <li>• Guessing and Checking</li> <li>• Creating an Organised List</li> </ul> <p>(RESOURCE: Badger Level Year 4-5)</p>	<ul style="list-style-type: none"> <li>• Creating a Tree Diagram</li> <li>• Working Backwards</li> <li>• Using Simpler Numbers</li> <li>• Open-ended Problem Solving</li> <li>• Analysing and Investigating</li> <li>• Logical Reasoning</li> </ul> <p>(RESOURCE: Badger Level Year 6)</p>	<ul style="list-style-type: none"> <li>• Creating a Tree Diagram</li> <li>• Working Backwards</li> <li>• Using Simpler Numbers</li> <li>• Open-ended Problem Solving</li> <li>• Analysing and Investigating</li> <li>• Logical Reasoning</li> </ul> <p>(RESOURCE: Badger Level Year 6)</p>
Strategies to consolidate			<ul style="list-style-type: none"> <li>• Draw a Table</li> <li>• Looking For a Pattern</li> </ul> <p>Continue using all YEAR 1&amp;2 Level strategies</p>	<ul style="list-style-type: none"> <li>• Looking for a Pattern</li> </ul> <p>Continue using all YEAR 3 Level strategies</p>	<ul style="list-style-type: none"> <li>• Looking for a Pattern</li> </ul> <p>Continue using all YEAR 3 Level strategies</p>	<p>Continue using all YEAR 4-5 Level strategies</p>	<p>Continue using all YEAR 4-5 Level strategies</p>

*At all levels, pupils should be given opportunities to use taught Problem Solving strategies to solve real problems within Co-operative Learning, Active Learning and Outdoor Learning activities.*