



Year 7 : Support Scheme of Work for pupils working at Levels 2 and 3
Handling Data 1 (4 hours)

Lesson	Learning Objective	Learning Outcomes			Lesson strategies, activities and ideas	Resources
		Must	Should	Could		
1	<p>Add several small numbers.</p> <p>Classify and organise numerical data in simple lists or tables.</p>	<p>Add three small numbers by putting the largest number first and/or find a pair totalling 10; partition into '5 and a bit' when adding 6, 7, 8 or 9, then recombine (e.g. $16 + 8 = 15 + 1 + 5 + 3 = 20 + 4 = 24$)</p> <p>Classify and organise simple data in a list or simple table</p>	<p>Add three or four small numbers by putting the largest number first and/or by finding pairs totalling 9, 10 or 11</p> <p>Classify and organise numerical data in simple lists or tables.</p>	<p>Add 3 or 4 small numbers, finding pairs totalling 10, or 9 or 11.</p> <p>Use tallying to record frequencies in a table.</p>	<p>Starter objective : add several small numbers.</p> <p>Use ICT where appropriate. TL4 y7 – Lesson D1.3 starter</p> <p>Collect data from the class for pupils to record and classify.</p>	<p>PFWK y123 p. 91 PFWK y456 p. 114 TL4 y7 – Lesson D1.3</p>
2	<p>Interpret and construct simple bar charts</p>	<p>Complete the bars on scaled, labelled axes. Answer simple questions about the bar chart.</p>	<p>Label axes, horizontal and vertical. Vertical scale in simple units e.g. 1 and 2 Complete the bar chart.</p>	<p>Label axes, horizontal and vertical. Vertical scale in simple units e.g. 5 and 10. Complete the bar chart.</p>	<p>I TP : Data handling</p> <p>Pupils could draw charts linked to data collected in lesson 1.</p>	<p>PFWK y123 p. 93 PFWK y456 p. 114 TL4 y7</p> <p>S/board p. 145</p>



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3	Use vocabulary and the ideas of probability	Know the vocabulary : certain, impossible, evens	Know the vocabulary : likely and unlikely and use with a probability line.	Use the terms 'very unlikely', and 'very likely'	Use everyday experiences for examples. Starter from TL4 y7 - Lesson D 1.1	PFWK y456 p. 113 TL4 y7 - Lesson D 1.1 OHT D1.1.a S/board p. 251, 252 NNS Unit plans : Y5 Unit 6a (Autumn & Summer) - Activity sheets 6a.1 & OHT 6a.1
4	To understand the idea of 'equally likely outcomes'	Record the outcomes of the throws in a list or simple table.	Record results in a pre-prepared frequency table (with tallies) and draw a simple bar chart on pre-prepared axes.	Record tallies in 'bundles' of five. Check totals. Repeat the experiment, recording 'odd' or even'.	Starter : use intro from starter in lesson D1.2 Pupils throw a dice in pairs, recording answers on a pre-prepared table. Minimum of 60 throws. They then draw a bar chart of their results on pre-prepared axes. Plenary discussion re : fair/unfair. Use of vocabulary 'equally likely'. Q. What would we expect the bar chart to look like? Idea: Use ICT to generate throws of the dice, to lead to a discussion re: fair/ unfair.	TL4 y7 - Lesson D 1.2 SMILE : Discussing Data



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