

St Oliver Plunkett Primary School

Medium Term Planning

Area of Learning: Number

Year Group: 3

Summer

Learning Intentions	Content / Activities	Resources / ICT	Monitoring / Evaluation Assessment
<p><u>Number</u></p> <p>Children will be able to:</p> <p>Talk about and use the materials and equipment provided to carry out an activity;</p> <p>Use some mathematical notation;</p> <p>Show some organisation in their practical work;</p> <p>Talk about ways to solve simple everyday problems;</p> <p>Use counting strategies when carrying out activities;</p> <p>Look for and talk about patterns;</p> <p>Use appropriate mathematical language to respond to questions about their work.</p>	<p>Pupils will be enabled to:</p> <p>Tens and Units</p> <ul style="list-style-type: none"> • Revise adding 2 numbers (tens and units) without exchange (vertical addition) using one square per digit and subtracting two numbers without exchange. • Engage in dice game – throw dice, collect units for the number on the dice, once they have 10 units, exchange for a ten. The first to get 50 wins. • Continue with exchange/ carrying one set of 10 over. • Expose children to exchange of 100. • Introduce Subtraction with exchanging using the Dienes equipment and whiteboards. Game – children begin at 99 and roll a dice taking away and exchanging where appropriate. 	<p>Large 100 square Cubes Number lines Elefilps Individual 100 squares Arrow cards Number fans Money coins Demonstration coins Dice IWB Tens and units boards Dienes apparatus Individual whiteboards and markers Calculator iPads (stamp game, Montessori, Jungle coins, math board, tallytots, math 5-6, book creator, number jacks(Counting, addition))</p>	<p>Teacher observations</p> <p>Questioning techniques</p> <p>Peer assessment</p> <p>Self-assessment</p> <p>Daily marking of books</p> <p>Year group monitoring</p> <p>Management book lift</p> <p>NFER – PIM</p> <p>LANGUAGE</p> <ul style="list-style-type: none"> • Number • Dienes • How many • Zero • Add • Subtract • Takeaway • Minus • Symbols • Investigate

- Group 3
- Use tens and units boards and Dienes apparatus to add 2 numbers with exchange.

Tens	Units

- Progress to calculating without the use of practical material where relevant.
- Talk about their calculations demonstrating their knowledge of place value.

Counting to 1000

Sequences to 1000 – forwards, backwards in 1's, 10's and 100's. 10 or 100 more/ less than given 3 digit numbers

Greater or Less than

Identify numbers that are greater than/ less than or equal to.

Rounding

- Round numbers up or down to the nearest 10/100 demonstrating their knowledge of the rule.

- Change
- Exchange
- Carry
- Substitute
- Round up
- Round down
- Greater
- Less than
- Penny (p)
- Pound (£)

	<p>Number Patterns/ Multiplication and Division (All practical) Introduce multiplication facts for 5 and 10. Introduce 10 times tables Introduce 2 times tables Introduce 5 times tables Consolidation of tables and money</p> <p>Money Introduce £1 coin Count and lay out amounts beyond £1 – Introduce notation if £1.75</p> <p>Group 2/3</p> <ul style="list-style-type: none"> • Revise names of coins up to £1. • Use coins to make various amount from 50p to 99p remembering to select the smallest number of coins to make the amount. • Calculate change from amounts up to 99p and draw the coins • Engage in word problem solving activities involving money. • Draw the £ sign. <p>INVESTIGATION How many ways can you make an amount? e.g. £1 Make £1 using:- 1 coin 2 coins 4 coins</p>		<p>NHM Teacher File 214-242</p> <p>NHM Teaching File PG 195 – 198 Pupil Activity Book.</p> <p>NHM Teaching File pg 198 – 202 Pupil Activity Book</p>
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	5 coins 6 coins 7 coins		
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Evaluation: