



Night Pirates Class (Year 2)  
 Mathematics Medium Term Planning with differentiation.  
**Autumn B - 2024**

Whole school theme: **Reading for Pleasure**  
 Literacy Tree Stories: Ocean Meets Sky/Dear Earth

**What is out there?**

Activities and groups adapted as necessary following on going formative assessments.

Week	Starters	<p><b>Golden Treasures</b>            9 Children            Target WT2/EX2</p> <p>All below to be done with adult keeping children on task initially, then independently.            Using concrete apparatus initially then pictorial representations. Then finally moving to mentally and independently.</p> <p><b>ALSO SEE SEPARATE MASTERING NUMBER PLANNING FOR ADDITIONAL NUMBER WORK.</b></p>	<p><b>Green Parrots</b>            6 Children            Target EX1/WT2</p> <p>All below to be done with adult keeping children on task.            Using concrete apparatus initially then pictorial representations. Then finally moving to mentally and independently.</p> <p><b>ALSO SEE SEPARATE MASTERING NUMBER PLANNING FOR ADDITIONAL NUMBER WORK.</b></p>	<p><b>Red Pirates</b>            10 Children            WT1/EX1            +2 SEND children - Mastering number - Reception/Year 1.</p> <p>All below to be done with support as necessary.            Using concrete apparatus initially, then moving to pictorial representations.</p> <p><b>ALSO SEE SEPARATE MASTERING NUMBER PLANNING FOR ADDITIONAL NUMBER WORK.</b></p>
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## Week

1

4<sup>th</sup> - 8<sup>th</sup>  
November

Literacy Tree -  
Text 1 - Week 1

Monday 4<sup>th</sup> -  
Bonfire/Carnival  
Celebrations

## EMC:

- Count forwards to 100 from 0.
- Count forwards from a given number.
- Count backwards from any given number.

## Starter

See separate planning slides for daily starters.

Golden Treasures (HA)/Green Parrots (MA)/ Red Pirates (LA)

## Addition and subtraction: Small steps

- Bonds to 10
- Fact families - addition and subtraction bonds within 20
- Related facts
- Bonds to 100 (tens)

## Number - Addition and Subtraction

- Represent and use number bonds to 10
- Represent and use number bonds to 20
- Add a single digit number to a 2-digit number within 20
- Subtract a single digit number from a 2-digit number within 20
- Use related subtraction facts within 20

Understand commutativity of addition (order doesn't matter) and make all related addition number sentences

Understand commutativity of subtraction (order matters) and make all related addition number sentences

Recall, use and reason with number bonds

Recall and use related number facts for addition

Add a 2 digit number and 1 digit number

Subtract 1 digit number from 2 digit

## Working mathematically

Make mathematical observations.

Notice and discuss patterns and relationships.

Identify and use the correct technical subject specific vocabulary in group and individual discussions.

NB: See weekly planning for stem sentences and vocabulary.

**Week****2**11<sup>th</sup> - 15<sup>th</sup>  
NovemberLiteracy Tree -  
Text 1 - Week  
211<sup>th</sup> November -  
Remembrance  
Day/Afternoon  
Activities15<sup>th</sup> November -  
Children in needEMC:

-Count forwards  
to 100 from 0  
-Count  
backwards from  
any given  
number.

Starter

See separate  
planning slides  
for daily  
starters.

**YELLOW STARS (HA)/RED TRIANGLE (MA)/ BLUE CIRCLES (LA)****Addition and subtraction: Small steps**

- Add and subtract 1s
- Add by making 10
- Add three 1-digit numbers
- Add to the next 10

**Number - Addition and Subtraction**

- Represent and use number bonds to 10
- Represent and use number bonds to 20
- Add a single digit number to a 2-digit number within 20
- Subtract a single digit number from a 2-digit number within 20
- Use related subtraction facts within 20

Understand commutativity of addition (order doesn't matter) and make all related addition number sentences

Understand commutativity of subtraction (order matters) and make all related addition number sentences

Recall, use and reason with number bonds

Recall and use related number facts for addition

Add a 2 digit number and 1 digit number

Subtract 1 digit number from 2 digit

Add three 1 digit numbers

**Working mathematically**

Ask and answer a range of mathematical questions.

Explain and justify own knowledge with some detail.

Record different methods using a variety of formats.

NB: See weekly planning for stem sentences and vocabulary.

## Week

3

18<sup>th</sup> - 22<sup>nd</sup>  
November

Literacy Tree -  
Text 1 - Week  
3

20<sup>th</sup> November -  
World Children's  
Day

## EMC:

- Count to and back to 100, from a given number.
- Count forwards and backwards to 20/50/100 from 0.
- Reliably count up to 20/50/100 objects.

## Starter

See separate planning slides for daily starters.

Golden Treasures (HA)/Green Parrots (MA)/ Red Pirates (LA)

## Addition and subtraction: Small steps

- Add across a 10
- Subtract across 10
- Subtract from a 10
- Subtract a 1-digit number from a 2-digit number (across a 10)

## Number - Addition and Subtraction

- Represent and use number bonds
- Add two single digit numbers within 20
- Add a single digit number to a 2-digit number within 20
- Solve one step problems which involve addition
  - Add a 2 digit number and 10s
  - Add two 2 digit numbers
- Subtract a single digit number from a 2-digit number within 20
- Solve one step problems which involve addition and subtraction
  - Recall and use related number facts for addition -
    - Add a 2 digit number and 1 digit number
    - Add a 2 digit number and 10s
    - Add two 2 digit numbers
  - Use reasoning about numbers and relationships
  - Subtract 1 digit number from 2 digit
  - Subtract 10s from a 2 digit number
  - Solve two step word problems involving + and -

## Working mathematically

- Use own ideas to create own records.
- Sort and classify giving reasons for choices.
- Make comparisons and order using < > & =

NB: See weekly planning for stem sentences and vocabulary.

## Week

4

25<sup>th</sup> - 29<sup>th</sup>  
November

Literacy Tree -  
Text 2 - Week 1

29<sup>th</sup> November -  
St Andrews Day  
Assembly

## EMC:

- Count forwards and backwards to 20/50/100 from 0 and from any given number.
- Read numbers from 1 to 20 in words.
- Write numbers from 1 to 20 in words.
- Count forward in 10's, 5's and 2's.

## Starter

See separate planning slides for daily starters.

Golden Treasures (HA)/Green Parrots (MA)/ Red Pirates (LA)

## Addition and subtraction: Small steps

- 10 more, 10 less
- Add and subtract 10s
- Add two 2-digit numbers (not across a 10)
- Add two 2-digit numbers (across a 10)

## Number - Addition and subtraction

Use related subtraction facts

- Add and subtract two single digit numbers
- Subtract a single digit number from a 2-digit number within 20
- Solve one step problems which involve addition and subtraction
- Understand commutativity of subtraction (order matters) and make all related addition number sentences
- Understand the inverse relationship between addition and subtraction.
  - Recall, use and reason with number bonds
    - Add a 2 digit number and 10s
    - Subtract 1 digit number from 2 digit
    - Subtract 10s from a 2 digit number
  - Solve two step word problems involving + and -
- Use reasoning about numbers and relationships (for subtraction)

## Working mathematically

Identify the need for and use equipment correctly.  
Show fluency.

NB: See weekly planning for stem sentences and vocabulary.

<p><b>Week 5</b> 2<sup>nd</sup> - 6<sup>th</sup> December</p> <p>Literacy Tree - Text 1 - Week 3</p> <p>Writing assessments</p> <p>2<sup>nd</sup> December - Whole School Nativity run through</p> <p>3<sup>rd</sup> December - Nativity am rehearsals</p> <p>5<sup>th</sup> November - Nativity dress rehearsal</p> <p>6<sup>th</sup> December - Christmas decoration day</p>	<p><u>EMC</u></p> <p>-Count to and back to 100, from a given number.</p> <p>-Read numbers from 1 to 20 in words.</p> <p>Write numbers from 1 to 20 in words.</p> <p><u>Starter</u></p> <p>See separate planning slides for daily starters.</p>	<p>Golden Treasures (HA)/Green Parrots (MA)/ Red Pirates (LA)</p> <p><b>Addition and subtraction: Small steps</b></p> <ul style="list-style-type: none"> <li>- Subtract two 2-digit numbers (not across a 10)</li> <li>-Subtract 2-digit numbers (across a 10)</li> <li>-Mixed addition and subtraction</li> </ul> <p><b>Number - Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>-Add two 2-digit numbers within 20 (e.g. 12+16)</li> <li>-Solve one step problems which involve addition</li> <li>-Solve missing number questions involving addition and subtraction (using inverse)</li> <li>-Subtract two single digit numbers</li> <li>-Subtract a single digit number from a 2-digit number within 20</li> <li>-Subtract two 2-digit numbers within 20 (e.g.16-12) <ul style="list-style-type: none"> <li>- Add two 2 digit numbers</li> <li>-Add a 2 digit number and 1 digit number</li> <li>- Subtract two 2 digit numbers</li> </ul> </li> <li>-Solve two step word problems involving + and -</li> <li>-Use reasoning about numbers and relationships (for addition and subtraction)</li> </ul> <p><b>Working mathematically</b></p> <p>Show varied fluency.</p> <p>NB: See weekly planning for stem sentences and vocabulary.</p>
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<p><b>Week 6</b> 9<sup>th</sup> - 13<sup>th</sup> December</p> <p>Literacy Tree - Text 2 - Week 2</p> <p>Assessment week</p> <p>9<sup>th</sup> / 10<sup>th</sup> December - Nativity</p> <p>11<sup>th</sup> December - Nativity church performance</p> <p>12<sup>th</sup> December - Christmas jumper day, West End Pantomime and Christmas Lunch Day</p>	<p><u>EMC:</u></p> <ul style="list-style-type: none"> <li>-Number bonds to 10</li> <li>-Count aloud in 2's, 5's and 10's.</li> <li>-Read numbers from 1 to 20 in words.</li> <li>-Write numbers from 1 to 20 in words.</li> </ul> <p><u>Starter</u></p> <p>See separate planning slides for daily starters.</p>	<p>Golden Treasures (HA)/Green Parrots (MA)/ Red Pirates (LA)</p> <p><b>Addition and subtraction: Small steps</b></p> <ul style="list-style-type: none"> <li>-Compare number sequences</li> <li>-Missing number problems</li> </ul> <p><b>Number - Addition and subtraction</b></p> <ul style="list-style-type: none"> <li>-Solve missing number questions involving addition and subtraction (using inverse) <ul style="list-style-type: none"> <li>-Solve one step problems which involve subtraction</li> <li>-Solve one step problems which involve addition</li> </ul> </li> <li>- Use reasoning about numbers and relationships (for addition and subtraction) <ul style="list-style-type: none"> <li>-Recall and use related number facts for addition</li> <li>-Solve two step word problems involving + and -</li> </ul> </li> <li>-Understand the inverse relationship between addition and subtraction <ul style="list-style-type: none"> <li>-Use reasoning about numbers and relationships (missing numbers)</li> </ul> </li> </ul> <p><b>Working mathematically</b></p> <p>Show reasoning and problem solving skills.</p> <p>NB: See weekly planning for stem sentences and vocabulary.</p>
<p><b>Week 7</b> 16<sup>th</sup> - 20<sup>th</sup> December</p> <p>Christmas theme week</p>	<p><u>EMC:</u></p> <ul style="list-style-type: none"> <li>-Count to 100 forwards and backwards from 0 and any given number.</li> <li>-Read numbers from 1 to 20 in words.</li> <li>-Write numbers from 1 to 20 in words.</li> </ul> <p><u>Starter</u></p> <p>See separate planning slides</p>	<p>Golden Treasures (HA)/Green Parrots (MA)/ Red Pirates (LA)</p> <p><b>Christmas Themed Maths</b></p> <p><b>Money: Small steps</b></p> <ul style="list-style-type: none"> <li>-Count money - pence</li> <li>-Count money - pounds (notes and coins)</li> <li>-Count money - pounds and pence</li> </ul> <p><b>Measurement - Money</b></p> <ul style="list-style-type: none"> <li>-Recognise and know the value of different coins.</li> <li>-Recognise and know the value of different notes.</li> <li>-Add and subtract using a combination of all coins.</li> <li>-Find different combinations of coins that equal the same amounts of money. <ul style="list-style-type: none"> <li>-Recognise that money has a value e.g., 10p is more than 1p</li> <li>-Recognise and know the value of different coins.</li> </ul> </li> </ul>

for daily  
starters.

- Recognise and know the value of different notes.
- Recognise the symbols for pounds (£) and pence (p)

**Working mathematically**

Make mathematical observations.

Notice and discuss patterns and relationships.

Identify and use the correct technical subject specific vocabulary in group and individual discussions.

Ask and answer a range of mathematical questions.

Explain and justify own knowledge with some detail.

Record different methods using a variety of formats.

Use own ideas to create own records.

Sort and classify giving reasons for choices.

Make comparisons.

Identify the need for and use equipment correctly.

NB: See weekly planning for stem sentences and vocabulary.