

Paddington Class (Year 2)
 Mathematics Medium Term Planning with differentiation.


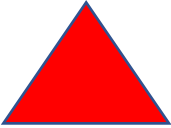

Autumn B - 2024

Whole school theme: **Reading for Pleasure**

Literacy Tree Stories: Lubna and Pebble/Tadpoles Promise

How can we help?

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

Week	Starters	<p>YELLOW STARS 12 Children Target GD1/WT2</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>ALSO SEE SEPARATE MASTERING NUMBER PLANNING FOR ADDITIONAL NUMBER WORK.</p>	<p>RED TRIANGLE 6 Children Target GD1/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>ALSO SEE SEPARATE MASTERING NUMBER PLANNING FOR ADDITIONAL NUMBER WORK.</p>	<p>BLUE CIRCLES 7 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>ALSO SEE SEPARATE MASTERING NUMBER PLANNING FOR ADDITIONAL NUMBER WORK.</p>
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Week

1

4th - 8th

November

Literacy Tree -
Text 1 - Week 1

Monday 4th -
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.

YELLOW STARS (HA)/RED TRIANGLE (MA)/ BLUE CIRCLES (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**11th - 15th
NovemberLiteracy Tree -
Text 1 - Week
211th November -
Remembrance
Day/Afternoon
Activities15th 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

18th - 22nd
November

Literacy Tree -
Text 1 - Week
3

20th 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.

YELLOW STARS (HA)/RED TRIANGLE (MA)/ BLUE CIRCLES (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

25th - 29th
November

Literacy Tree -
Text 2 - Week 1

29th 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.

YELLOW STARS (HA)/RED TRIANGLE (MA)/ BLUE CIRCLES (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.

Week**5**2nd - 6th
DecemberLiteracy Tree -
Text 1 - Week

3

Writing
assessments2nd December -
Whole School
Nativity run
through3rd December -
Nativity am
rehearsals5th November -
Nativity dress
rehearsal6th December -
Christmas
decoration dayEMC

- Count to and back to 100, from a given number.
- Read numbers from 1 to 20 in words.
- Write numbers from 1 to 20 in words.

Starter

- See separate planning slides for daily starters.

YELLOW STARS (HA)/RED TRIANGLE (MA)/ BLUE CIRCLES (LA)

Addition and subtraction: Small steps

- Subtract two 2-digit numbers (not across a 10)
- Subtract 2-digit numbers (across a 10)
- Mixed addition and subtraction

Number - Addition and subtraction

- Add two 2-digit numbers within 20 (e.g. 12+16)
- Solve one step problems which involve addition
- Solve missing number questions involving addition and subtraction (using inverse)
- Subtract two single digit numbers
- Subtract a single digit number from a 2-digit number within 20
- Subtract two 2-digit numbers within 20 (e.g.16-12)
 - Add two 2 digit numbers
 - Add a 2 digit number and 1 digit number
 - Subtract two 2 digit numbers
- Solve two step word problems involving + and -
- Use reasoning about numbers and relationships (for addition and subtraction)

Working mathematically

Show varied fluency.

NB: See weekly planning for stem sentences and vocabulary.

Week**6**9th - 13th
DecemberLiteracy Tree -
Text 2 - Week
2

Assessment week

9th / 10th December
- Nativity11th December -
Nativity church
performance12th December -
Christmas jumper
day, West End
Pantomime and
Christmas Lunch
DayEMC:-Number bonds
to 10-Count aloud in
2's, 5's and 10's.-Read numbers
from 1 to 20 in
words.-Write numbers
from 1 to 20 in
words.StarterSee separate
planning slides
for daily
starters.

YELLOW STARS (HA)/RED TRIANGLE (MA)/ BLUE CIRCLES (LA)

Addition and subtraction: Small steps

- Compare number sequences
- Missing number problems

Number - Addition and subtraction

- Solve missing number questions involving addition and subtraction (using inverse)
 - Solve one step problems which involve subtraction
 - Solve one step problems which involve addition
- Use reasoning about numbers and relationships (for addition and subtraction)
 - Recall and use related number facts for addition
 - Solve two step word problems involving + and -
- Understand the inverse relationship between addition and subtraction
 - Use reasoning about numbers and relationships (missing numbers)

Working mathematically

Show reasoning and problem solving skills.

NB: See weekly planning for stem sentences and vocabulary.

Week 7

16th - 20th
December

Christmas theme
week

EMC:

- Count to 100 forwards and backwards from 0 and any given number.
- Read numbers from 1 to 20 in words.
- Write numbers from 1 to 20 in words.

Starter

See separate planning slides for daily starters.

YELLOW STARS (HA)/RED TRIANGLE (MA)/ BLUE CIRCLES (LA)

Christmas Themed Maths

Money: Small steps

- Count money - pence
- Count money - pounds (notes and coins)
- Count money - pounds and pence

Measurement - Money

- Recognise and know the value of different coins.
- Recognise and know the value of different notes.
- Add and subtract using a combination of all coins.
- Find different combinations of coins that equal the same amounts of money.
- Recognise that money has a value e.g., 10p is more than 1p
- Recognise and know the value of different coins.
- 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.