Please find today's learning tasks below.

The table below explains the tasks and you will find the resources underneath. Your child will know which challenge they usually access in each subject and which task will be appropriate for them.
Unless otherwise specified, please complete the tasks in either your Home Learning book or on a word document.

Year group: 4	Date: 13/5/20		
	Challenge 1	**Challenge 2**	**Challenge 3**
English	Watch the clip on your challenge page about adverbs. Then complete the worksheet by finding and adding adverbs into sentences. After, choose 3 adverbs from the word bank to write your own sentences.	Watch the clip on your challenge page about adverbs. Then complete the worksheet by finding and adding adverbs into sentences. After, write your own sentences using each adverb from the word bank. Can you put the adverb in different places in your sentences?	Watch the clip on your challenge page about adverbs. Then complete the worksheet by finding and adding adverbs into sentences. After, choose an adverb from each category on the adverb mat and include it in a sentence. Can you put the adverb in different places in your sentences?
Maths	Solve the negative number problems below. Remember if you are stuck, draw out a negative number line and use this to count on!	Solve the negative number problems below. Remember if you are stuck, draw out a negative number line and use this to count on!	Solve the negative number problems below. Remember if you are stuck, draw out a negative number line and use this to count on!
Reading	Read the task cards below and then answer the questions about making predictions.		
Topic	**Science -** Think back to when we learnt about animals, their habitats and food chains. Food chains show how each living thing gets their energy. Click the links below to complete the food chain challenge in different habitats. Click the arrows on screen to find more plants and animals. https://www.bbc.co.uk/bitesize/topics/zbnnb9q/articles/z93vdxs - Savannah https://www.bbc.co.uk/bitesize/topics/zbnnb9q/articles/zcgbjty - Tundra https://www.bbc.co.uk/bitesize/topics/zbnnb9q/articles/zsphrwx - Woodland		

English – Challenge 1

Identifying Adverbs

I know what adverbs are used for.

Adverb Word Bank						
cheerfully	sadly	shyly	happily	gently	angrily	hungrily

1. Answer each question with an adverb. Use the **Adverb Word Bank** to help you.

a) How did your brother play?   He played *happily.*

b) How did your mum say goodbye?   Mum said it _____.

c) How did the dog bark?   The dog barked _____.

d) How did the kite fly in the breeze? The kite flew _____.

e) How did your dad tell you off?   My dad told me off _____.

The first one has been done for you.

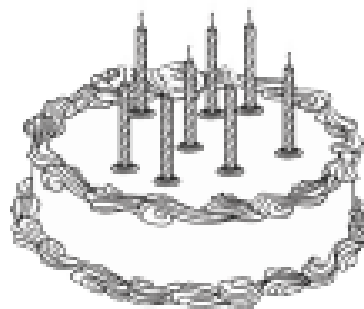2. Look at the sentences below. Circle the adverb in each one.

a) He smiled cautiously.

b) She frowned angrily.

c) He walked to school quickly.

d) Carefully, she looked for her coat.

e) Thankfully, it would be his turn soon.

Identifying Adverbs

I know what adverbs are used for.

Adverb Word Bank					
happily	tomorrow	next	soon	carefully	slowly

1. Look at the sentences below. Circle the adverb in each one.

   a) He smiled cautiously.

   b) She frowned angrily.

   c) He walked to school quickly.

   d) Next, she looked for her coat.

   e) It would be his turn soon.

2. Complete the sentences below. Use the **Adverb Word Bank** to help you.

   a) She ran _____ down the road.

   b) It will be my birthday _____.

   c) He wandered _____ home.

   d) _____, she had to wrap her brother's present.

   e) Her dad was coming to pick her up _____.

Identifying Adverbs

I know what adverbs are used for.

1. Look at the sentences below. Circle the adverb in each one.

    a) He smiled cautiously.

    b) She frowned angrily.

    c) He walked to school quickly.

    d) Next she looked for her coat.

    e) It would be his turn soon.

2. Use your own adverbs to complete these sentences.

    a) She ran _____ down the road.

    b) It will be my birthday _____.

    c) He wandered _____ home.

    d) _____, she had to wrap her brother's present.

    e) Her dad was coming to pick her up _____.
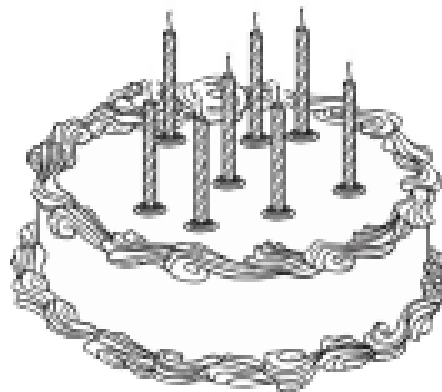
English – Challenge 3 continued

Adverbs

How?

angrily
anxiously
cautiously
cheerfully
courageously
crossly
cruelly
defiantly
doubtfully
elegantly
enthusiastically
foolishly
frantically
gently
gladly
gracefully
happily
hungrily
inquisitively
irritably
joyously
loudly
madly

merrily
nervously
quickly
sadly
safely
shyly
solemnly
weakly
well
wildly

When?

afterwards
again
before
beforehand
early
lately
never
now
often
punctually
recently
soon
then
today
tomorrow
yesterday

How often?

always
annually
constantly
daily
hourly
monthly
never
occasionally
often
once
regularly
repeatedly
sometimes
usually
yearly

Where?

above
around
away
below
down
downstairs
everywhere
here
inside
outside
there
up
upstairs
wherever

How much?

almost
completely
entirely
little
much
rather
totally
very

More useful adverbs...

additionally   appropriately   consequently
fittingly   hence   however
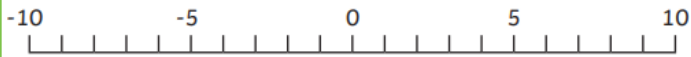insufficiently   suitably   therefore

Maths – Challenge 1
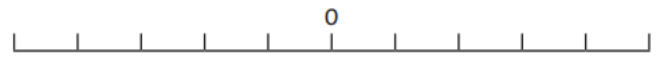
Negative Numbers

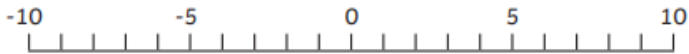1. Complete the sequence

   -5, -3, ___, 1, 3

   Explain why.

   ```
   -10        -5         0         5        10
   |_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
   ```

Negative Numbers

2. Mark -1 and 2 on the scale.

   ```
                            0
   |___|___|___|___|___|___|___|___|___|___|
   ```

Negative Numbers

3. Record a number between -10 and 0.
   Is the number you have chosen more or less than -5?

   ```
   -10        -5         0         5        10
   |_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
   ```

Negative Numbers

4. Complete this number sentence;

   ___ > -4°C

Negative Numbers

5. Complete this number sentence;
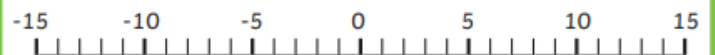
   ___, -3, 1, 5

   What is the pattern?

   ```
                            0
   |___|___|___|___|___|___|___|___|___|___|
   ```
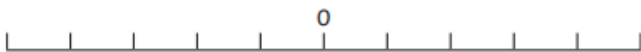
Negative Numbers

6. Minah is counting down from 13 in fours.
   Is -12 in the sequence?

   Explain your reasoning.

   ```
   -15    -10    -5     0     5     10     15
   |_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|
   ```

Maths – Challenge 2

Negative Numbers

1. Is this correct?

$$58 + -16 = 74$$

Explain why.

Negative Numbers

2. Hamish flew from Aberdeen to Stockholm. The temperature at the airport was -7˚C on take-off and -12˚C on landing. By how much had the temperature changed by the time he got to Sweden? Was this an increase or a decrease?
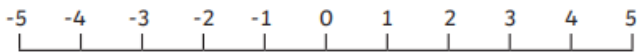

Negative Numbers

5. Find the finishing position of a robot starting at 0, facing in the positive direction, and:

   It moves forwards 3 places

   It then reverses 5 places

   It is turned to face the negative direction and reverses 4 places

If the robot had started at +2 and made the same moves, where would it have finished?

-5 -4 -3 -2 -1 0 1 2 3 4 5

Negative Numbers

6. Mum wanted to make some ice cream and the recipe suggested a very cold freezer temperature setting. If the freezer was at -6°C and then lowered by 9°C, how cold did the recipe suggest it needed to be?

Negative Numbers

7. The pizza delivery man had two deliveries to make at Takeout Towers. The flats have floors above and below ground. The first delivery was on level 5. He was then told to go down 8 floors. On which floor was his second delivery?

10
9
8
7
6
5
4
3
2
1
0
-1
-2
-3
-4
-5
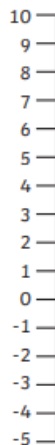
Negative Numbers

8. The school fundraising quiz has a scoring system as follows: £5 is given for a correct answer and £4 pounds is deducted for each incorrect one.

How much was earned by Year 5 after answering 4 out of 10 questions correctly?

Maths – Challenge 3

Lily and Adam work together. They are counting in steps forwards and backwards, including negative numbers.

Lily gives Adam the starting number of 12 and tells him to count in steps of -5.

Adam counts: 12, 7, 2, -3, -8, -13, -18, -23, -28, -33

Can you repeat this challenge with a partner? Give them a starting number and a sequence of steps to follow. Remember that you can choose whether to go forwards or backwards and your start number could be negative or positive.

Jiang writes the following statements:

- Negative nine is thirteen less than four.

- -23 + 17 = -40

- 34 more than -12 = 22

- The temperature inside is 15°C. Outside it is 22°C colder, so outside the temperature is 7°C.

Giving reasons, explain whether each statement is true or false.

Lily writes the following calculations:

14 - 25 =

-4 + 17 =

Write an explanation, including visual methods, showing how to calculate the answers to these problems.

Compare your explanations with a partner.
Can you make any improvements?

Adam writes the calculation: -5 + 18 = 13

He writes a real-life example with money to illustrate the calculation.

"I owe my dad £5. I sell a computer game to a friend for £18. After I pay back my dad, I have £13 left."

He writes another calculation: 16 - 19 = -3

Write a real-life example with money to illustrate the calculation. Share with a partner and make any improvements.

Jiang has two thermometers. He places one in a bowl of ice with some salt and he keeps the other on the table.

Write two calculations with explanations to show the difference in temperature between the salted ice and the room.

Write your own scenario with two thermometers, where both temperatures are negative, and explain with calculations.
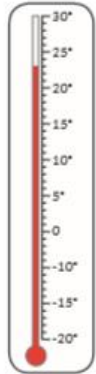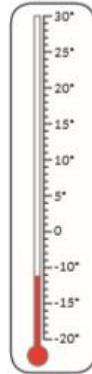
Lily writes the following linear sequences:

-13, -9, -3, 1, 5, 9, 13

16, 9, 2, -3, -10, -17

29, 18, 7, -6, -15, -24

Can you spot and explain the errors that Lily has made?

Write some incorrect sequences for a partner to check.

Adam says, "When you count backwards in tens from a positive number through zero, the ones digit will always stay the same."

Explain why Adam is incorrect, but when he might be correct.

Compare your answers with a partner and make any improvements to your own explanation.

Reading – all challenges

Prediction Questions

Predict what might happen from details stated and implied

twinkl

The title of a story is 'Perils of the Desert.'

What could the story be about?

Who is this character and where does she come from?

Why is she in the water?

What will happen to her?

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As her foot stepped over the gateway, she felt a shiver go down her spine and her imagination ran wild. The owls and bats were flying around, which made the whole thing even spookier. She cautiously crept up the broken, overgrown path towards the front door. As she stepped through the undergrowth up to the porch, something scratched her leg.

Where do you think the girl is? What do you think has scratched her? What do you think will happen next?