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Curiosity Confidence Courage Constancy

YEAR 4 HOMEWORK Pack 13

These are your additional weekly learning tasks that should be completed at least 3 times a week:

L.O.L:

- ☐ ☐ ☐ Practise your common exception words - reading and spelling them
- ☐ ☐ ☐ Spelling - practice your spellings and complete a mini test. Don't forget about Spelling Shed!
- ☐ ☐ ☐ Reading - read your book at home to an adult/family member and discuss your reading.
- ☐ ☐ ☐ Times tables- keep practising these as you will need to know all to facts up to 12x12 in Year 5. Don't forget about TTRockstars.

Maths:

- ☐ ☐ ☐ Practice your times tables orally, in written form or using TT Rockstars

Spelling Shed

Times Tables Rock Stars

BBC Bitesize

250 free eBooks (now tablet friendly)

Oxford Reading Tree

Topmarks

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Curiosity Confidence Courage Constancy

YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Online Classroom

As part of our home learning offer, we are encouraging all of our children to engage in the National Oak Academy home learning website.
https://classroom.thenational.academy/

This website has daily video lessons, with additional quizzes and worksheets to apply the learning.

We expect children at home to complete a daily maths, english and PSHE/foundation lesson alongside their weekly tasks (from the first page).

If you are unable to access this website, the learning has been included in this home learning pack and can be completed without the lessons.

These lessons are based on the work from week 10 (29th June), we will be working a week behind so these packs are ready for you on time. You will find all lessons by selecting Schedule, Year 4, Week 10 and the correct day. Or by following this link https://classroom.thenational.academy/schedule-by-year/year-4

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L - Monday's lesson- Text to be used everyday this week

Additional video available on:
https://classroom.thenational.academy/

Diary: Reading Comprehension - Fact Retrieval

Read the following text and underline any key vocabulary and facts you find.

Dear Diary,

What an extraordinary day! It all began very early at 5 o'clock this morning when I suddenly felt the urge to play on my X-Box. I turned it on but a message pinged up onto my screen: 'Click link to download the latest add-ons'. I clicked it and the blue bar crept slowly to its finish line. I felt frustrated waiting...98%. 99%...then a blinding flash of light. The screen went black.

The next thing I remember is being transported to somewhere I didn't recognise and trying to make sense of my surroundings. I could feel emerald-green leaves tickling my skin and a pungent scent made my eyes water. Up above, the sun's rays danced on my pale skin sneaking between the arms of the rainforest trees.

Suddenly, there was a creaking noise...followed by a crack! Whatever had been holding me up suddenly gave way, sending me plummeting downwards. Flailing my arms frantically, I tried to grab onto something and luckily my hands managed to grasp a long rope that snaked down the side of the tree trunk. My body buckled as the rope pulled taut, leaving me dangling like a spider on a web. I felt bewildered.

Unexpectedly, from out of nowhere, someone cut me down and demanded: "Hurry! Now!"

I tried to make sense of this stranger's feral appearance: wide, brown eyes; matted hair (which looked as though it hadn't been washed in years) and clothes made of animal skins. I couldn't work out who this person was or where I was.

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L - Monday's lesson

Additional video available on:
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Then, she shouted, "We need to collect ten bananas to get to the next level!" and soared high into the sky, landing on what can only be described as a turtle's back! Momentarily stunned, the peculiar creature stood still. Breaking into a spin, the jungle woman moved closer again to the turtle, collided with him and he disappeared without a trace. At that very moment, the well-known phrase sounded: "You've gained a life!"

It hit me: I was in my video game!

A few minutes later, on the path up ahead I could see something floating in mid-air - it was a banana! I couldn't believe my eyes! Bananas weren't easy to find in the midst of the dense forest! Two of them had to be prised out of the hands of an angry monkey. I managed to keep hold of all my lives and make a perilous trek through a rainforest but the last task wasn't easy because the final banana sat right in the middle of a vast maze of venomous plants.

As I made my way forward, I was horrified as the first plant stretched out its head towards me, opened its mouth wide and ferociously snapped the air where I had stood just seconds before, like a crocodile attacking its prey. Swinging vine to vine, I dodged the vicious plants, staying focused on my quest to collect the last banana.

I ducked. I dived. I darted. Finally, I squeezed my eyes tightly together and vaulted towards the centre of the maze. Everything went black.

Now I am back here in my bedroom and I had just started to convince myself that I'd fallen back to sleep and dreamt the whole thing but I have just noticed the banana on my bed! I wonder what tomorrow will bring...

Timmy

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L - Monday's lesson

Additional video available on:
https://classroom.thenational.academy/

1. Where was Timmy at the beginning of the diary extract?

_____

2. According to the text, what did Timmy grab to save himself from falling to the ground? Where was the object?

_____
_____

3. Describe the person Timmy met in the video game adventure.

_____
_____

4. Using information from the text, tick one box in each row to show whether each statement is true or false.

	True	False
Timmy woke up at 7am		
The creature that the jungle woman defeated was a tiger		
They had to collect 10 bananas to reach the next level		
It was raining		

5. Find and copy an example of a simile and a metaphor.

Simile: _____

Metaphor: _____

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Maths - Monday's lesson

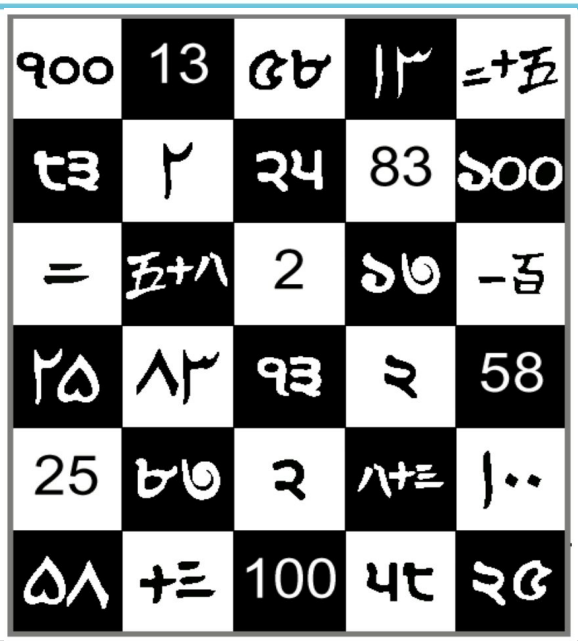
Additional video available on:
https://classroom.thenational.academy/

To investigate the place value of different number systems.

Calculation	Answer	Calculation	Answer
734 x 6 =		342 x 8 =	
143 x 7 =		425 x 9 =	

There are 5 different number scripts for 6 different numbers. Can you group all the numbers from the same script?

Start with the easiest script there and use your logic to deduce the other representations for each number.



Challenge

Using clues from the numbers we just grouped, can you write the following numbers in each script?

23	51	12

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

PSHE - Monday's lesson- George Floyd our catalyst for change.

Additional video available on:
https://classroom.thenational.academy/

What is a slogan? * 1 point

- An image that represents a brand
- A short or memorable phrase used in advertising
- The colours that represent a brand

What does 'prejudice' mean? * 1 point

- To judge someone or have an idea about them after you actually know anything about them
- To judge someone or have an idea about them before you actually know anything about them

What does 'discrimination' mean? *

- When someone undertakes criminal activity
- When someone is treated differently or unfairly because of their race

What does '#BLM' stand for?

- Black Lives Movement
- Black Lives Matter
- Black Lives Meaning

Write down two facts you remember about George Floyd. *

Your answer

What is the purpose of a billboard? (tick one) * 1 point

- To advertise/persuade
- To engage with the public
- To create awareness
- To make an impact
- All of the above

Which is the first state in the US to rename a road after the #blacklivesmatter movement? * 1 point

- California - BLM Avenue
- Washington - BLM Plaza
- Florida - BLM Place
- Texas - BLM Grove

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L -Tuesday's lesson

Additional video available on:
https://classroom.thenational.academy/

Diary: Reading Comprehension - Inference

Re-read Monday's text before answering the following questions.

1. Read the paragraph beginning 'The next thing I remember'...What evidence suggests that Timmy didn't know where he was?

_____

_____

2. What impressions do you get of the jungle woman? Give two impressions using evidence from the text to support your answer.

Impression	Evidence
1. _____	_____ _____ _____
2. _____	_____ _____ _____

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L.O.L -Tuesday's lesson

Additional video available on:
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3. 'Flailing my arms frantically'...
This suggests that:

a) Timmy was excited
b) Timmy was panicking
c) Timmy was angry

4. Read the paragraph beginning 'She shouted, "We need to collect ten bananas...'
What evidence is there that Timmy is in his video game?

_____

_____

_____

5. Which of these do you think best sums up what Timmy was thinking when the stranger appeared in front of him?

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

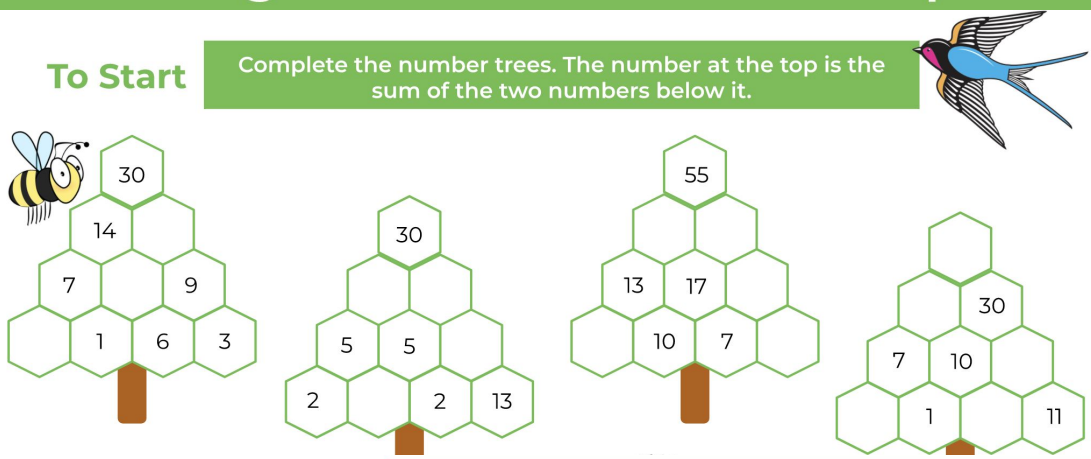
Maths - Tuesday's lesson

Additional video available on:
https://classroom.thenational.academy/

To investigate Roman numerals up to 100

To Start

Complete the number trees. The number at the top is the sum of the two numbers below it.



Moving on

Use your logic skills and powers of deduction to complete this hundred square in Roman Numerals. The top left corner is 1, the bottom right is 100

Remember 5 = V in Roman Numerals

	II								X
		XIII			XVI	XVII			
XXI	XXII			XXV					XXX
			XXXIV		XXXVI	XXXVII		XXXIX	
XLI							XLVIII		L
LI					LVI				
	LXII	LXIII		LXV		LXVII	LXVIII		
			LXXIV					LXXIX	LXXX
LXXXI	LXXXII						LXXXVIII		
			XCIV	XCV			XCVIII	XCIX	C

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Maths - Tuesday's lesson

Additional video available on:
https://classroom.thenational.academy/

Main task

Can you work out the missing terms in each of the number sequences? If it helps, write them in the script you are familiar with first instead of Roman numerals.

a) II, IV, VI, ____, ____,

b) LV, LIV, LIII, ____, ____,

c) ____, XIV, XVI, XVIII, ____

d) XC, LXXX, ____, ____, L, XL

e) V, ____, XXV, XXXV, ____, ____,

f) LXXI, LXXIII, LXXV, ____, ____,

g) VI, IX, XII, ____, ____,

h) ____, ____, XCVI, XCIV, XCII

Challenge

Here is another sequence. One of the terms have already been included for you, what could the rest of the sequence be? Invent your own

_____, _____, XLIII, _____, _____

First thing's first, make sure you know what number this is.

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Curiosity Confidence Courage Constancy

YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Spanish - Tuesday's lesson

Additional video available on:
https://classroom.thenational.academy/

To be able to name family

Mi padre	Mi madre	Mi hermano	Mi hermana
My dad	*My mum*	*My brother*	*My sister*
Mi abuelo	Mi abuela	Mi tío	Mi tía
My grandfather	*My grandmother*	*My uncle*	*My aunt*
Mi prima	Mi primo		
My cousin (girl)	*My cousin (boy)*		*My cousin (girl)*
Mi primo			
My cousin (boy)			

You may also have some other members of your family that are not humans.
Un Perro- A dog
Un Gato- A cat
Un conejo- A rabbit
Un hamster- A hamster
Un Pez- A fish

Can you draw a picture of your family and label the different people in Spanish?

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Curiosity Confidence Courage Constancy

YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L -Wednesday's lesson

Additional video available on:
https://classroom.thenational.academy/

Diary: Identifying and understanding the features of a diary

Key Features of a diary

- 1st person
- Past tense & chronological
- 'Dear Diary'
- Sign off
- Expanded noun phrases
- Coordinating and subordinating conjunctions
- Adverbials
- Prepositions
- Informal
- Emotive language

Re-read Monday's text, can you find and highlight the features of a diary listed above?

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L -Wednesday's lesson

Additional video available on:
https://classroom.thenational.academy/

1. Match the main clause with the subordinate clause from the diary.

Main clause	Subordinate clause
It all began very early at 5 o'clock this morning	because the final banana sat right in the middle of a vast maze of venomous plants.
I had managed to keep hold of all my lives	when I suddenly felt the urge to play on my X-Box
The last task was not easy	and make a perilous trek through a rainforest

2. Identify three prepositional phrases.

1. _____
2. _____
3. _____

3. Complete the table to identify examples of these adverbials from the diary.

Adverb of time	
Adverb of place	
Adverb of manner	

4. Identify 3 examples of emotive language (feelings, emotions, reactions)

1. _____
2. _____
3. _____

5. Put the following phrases from the diary in chronological order: The first one has been done for you.

Now I am back here in my bedroom...	
It all began very early at 5 o'clock this morning...	1
A few minutes later, on the path up ahead...	
The next thing I remember...	
As I made my way forward...	

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Maths - Wednesday's lesson

Additional video available on:
https://classroom.thenational.academy/

To identify and complete number sequences.

To Start

Times tables speed challenge

	4	8	3	2	5	6	9	10	7
4									
7									
8									
10									
11									
9									
6									
12									
5									

Moving on

Can you remember the Roman Numerals for these numbers?

Arabic Numeral	Roman Numeral	Arabic Numeral	Roman Numeral
100		25	
54		36	
48		13	

I	II	III	IV	V	VI	VII	VIII	IX	X
XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
XXI	XXII	XXIII	XXIV	XXV	XXVI	XXVII	XXVIII	XXIX	XXX
XXXI	XXXII	XXXIII	XXXIV	XXXV	XXXVI	XXXVII	XXXVIII	XXXIX	XL
XLI	XLII	XLIII	XLIV	XLV	XLVI	XLVII	XLVIII	XLIX	L
LI	LII	LIII	LIV	LV	LVI	LVII	LVIII	LIX	LX
LXI	LXII	LXIII	LXIV	LXV	LXVI	LXVII	LXVIII	LXIX	LXX
LXXI	LXXII	LXXIII	LXXIV	LXXV	LXXVI	LXXVII	LXXVIII	LXXIX	LXXX
LXXXI	LXXXII	LXXXIII	LXXXIV	LXXXV	LXXXVI	LXXXVII	LXXXVIII	LXXXVIX	XC
XCI	XCII	XCIII	XCIV	XCV	XCVI	XCVII	XCVIII	XCIX	C

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Maths - Wednesday's lesson

Additional video available on:
https://classroom.thenational.academy/

Main Task

Can you work out the rule for each of these sequences and fill in the missing terms.

a) 86, 92, 98, ____, ____,

b) 7.7, 7.5, 7.3, ____, ____,

c) -2, -4 ___, -8, ___

d) ____, 3002, 2502, 2002, ____

e) 0.9, ____, ____, 0.3, 0.1

f) -6, ____, -2, 0, ____, ____,

g) 374, 365, ___, ___, 338

h) 3, 1, ___, ___, -5

i) ___,___, 18, ___, 24

Main Task

You can see different coloured numbers. They form 5 different sequences. Can you arrange them into increasing sequences.

36	- 6	5.2	69	76
3	5.4	12	62	- 8
6	41	46	- 2	5.6
15	5	0	48	66
56	55	4.8	- 4	9

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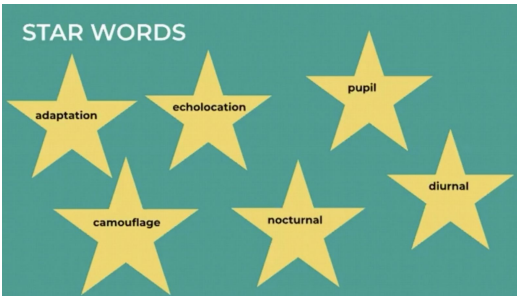
YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Science - Wednesday's lesson

Additional video available on:
https://classroom.thenational.academy/

What adaptations do nocturnal animals have?



Can you find out what our star words mean?

What are the benefits of being nocturnal? (active at night)
-Helps animals to survive in hot countries
-Harder for predators or their pray to see them at night
- Less competition for water and food.

1. What does nocturnal mean?
2. What are some of the benefits of being nocturnal?
3. Name 3 nocturnal animals.

Task- Choose 1 Nocturnal animal and research how their senses are different from a diurnal animals.

Eg Nocturnal animals have…….. In contrast diurnal animals have….. This is because……..

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L -Thursday's lesson

Additional video available on:
https://classroom.thenational.academy/

SPaG
Recapping expanded noun phrases and conjunctions

An expanded noun phrase is a phrase made up of a noun and at least one adjective. If one or more adjectives are listed to describe the noun, a comma should be added to separate the sentence.

For example:
The red sports car drove down the long, winding road.

In this sentence, "red sports" is describing the car and "long, winding" is describing the road.

We use coordinating conjunctions to join two parts of a sentence that are of equal weight or importance.

We can remember them by using the mnemonic device: FANBOYS

For example:
I'd like pizza and salad for lunch.

Coordinating conjunctions
For
And
Nor
But
Or
Yet
So

A subordinating conjunction introduces a subordinate clause (a clause that does not make sense on its own),

For example:
Because it was raining,
I wore my wellies.

Subordinating conjunctions	
Although	Even though
As	Whereas
After	In addition
Because	Until
Before	When
Since	While
Whilst	Despite

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L -Thursday's lesson

Additional video available on:
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1. Choose the conjunction from the table that you think fits best into the sentences below.

because
and
although
whilst

a) She had wide, brown eyes, matted hair _____clothes made of animal skins.
b) _____ I had to make a perilous trek through a rainforest, I managed to keep all my lives.
c) I continued to swing from vine to vine _____ staying focused on my quest.
d) _____ the branch gave way, I plummeted to the ground!

2. Conjunctions can be used for different purposes. Complete the sentences so that they all make sense. You can make the sentences up using your imagination.

- I felt horrified because _____.
- I was swinging from vine to vine until _____.
- I chased the banana as it bounced in front of me but _____.
- I grabbed the rope and _____.

3. Write these two simple sentences into a longer sentence using an appropriate conjunction:

I ran as fast as I could to escape the snapping jaws of the venomous plants
It tore a chunk out of my t-shirt.

_____

_____

4. Identify the expanded noun phrases in the sentences below:

a) I could feel emerald-green leaves tickling my skin.
b) My hands managed to grasp a long rope.
c) Momentarily stunned, the peculiar creature stood still.

5. Expand the noun phrases in these sentences by adding two adjectives before the noun. Use your imagination and be creative.

a) The jungle woman was carrying a _____, _____ spear.
b) The turtle had _____ , _____ spikes on its back.
c) Surrounding me were _____, _____ plants.

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Curiosity Confidence Courage Constancy

YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Maths - Thursday's lesson

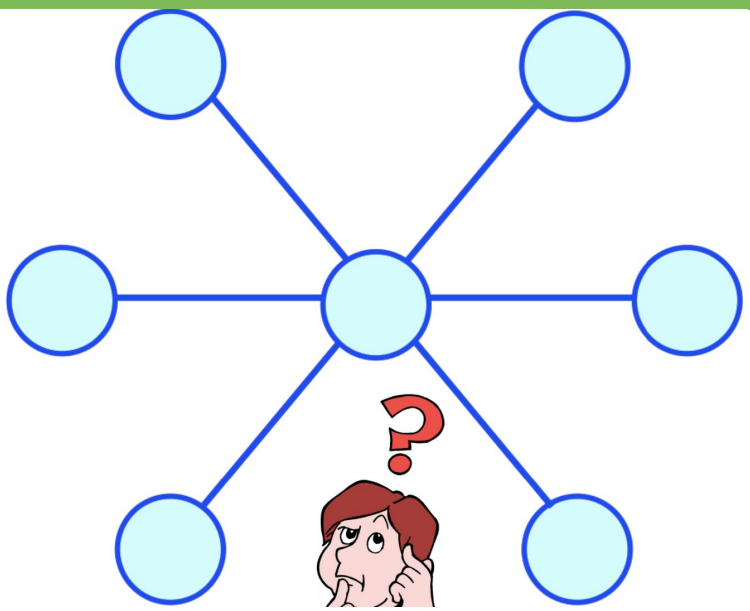
Additional video available on:
https://classroom.thenational.academy/

To investigate number patterns

To Start

Can you fit the numbers:

1, 2, 3, 4, 5, 6 and 7 into the circles so that each 3 circles joined by lines have the same total?



Moving On

What is the rule for each of the sequences? It could be add, subtract, multiply or divide.

Term 1	Term 2	Term 3	Term 4	Term 5	Rule
3	6	12	24	48	
640	320	160	80	40	
0.4	0.8	1.6	3.2	6.4	
20	10	0	-10	-20	
3770	4270	4770	5270	5770	

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OAK NATIONAL ACADEMY

Maths - Thursday's lesson

Additional video available on:
https://classroom.thenational.academy/

Main Task

You will be creating and exploring your own number sequences.

1. Choose a STARTING NUMBER (Eg: 7).
2. Decide which OPERATION to do first [+, -, x or ÷] (eg x).
3. Decide what NUMBER to use with the operation you picked in step 2 (Eg 3).
4. Decide on a different OPERATION (Eg -).
5. Decide what NUMBER to use with this operation (Eg 3).
6. Repeat with your last answer as the new starting numbers.

RECORD THE FIRST 10 TERMS IN YOUR SEQUENCE.

(7 x 3) - 3 = **18**

(18 x 3) - 3 = **51**

(51 x 3) - 3 = **150**

Main Task

Write out the sequence and then make as many statements as you can about the numbers in the sequence.

Term 1	
Term 2	
Term 3	
Term 4	
Term 5	
Term 6	
Term 7	
Term 8	
Term 9	
Term 10	

What I notice about my sequence.

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OAK NATIONAL ACADEMY

Maths - Thursday's lesson

Additional video available on:
https://classroom.thenational.academy/

Can you write 4 of your own sequences containing these numbers?

-3 and **1**

___, ___, ___, ___, ___

___, ___, ___, ___, ___

___, ___, ___, ___, ___

___, ___, ___, ___, ___

3.4 and **2.9**

___, ___, ___, ___, ___

___, ___, ___, ___, ___

___, ___, ___, ___, ___

___, ___, ___, ___, ___

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Curiosity Confidence Courage Constancy

YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Time and Place - Thursday's lesson

Additional video available on:
https://classroom.thenational.academy/

What resources does the UK have?

Can you find out what the star words mean?

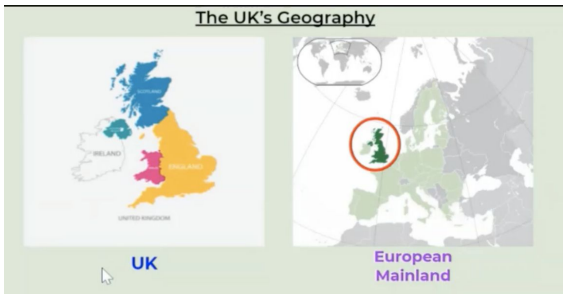
Star Words

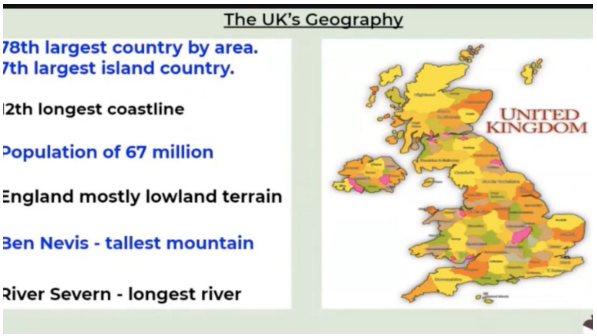
mining

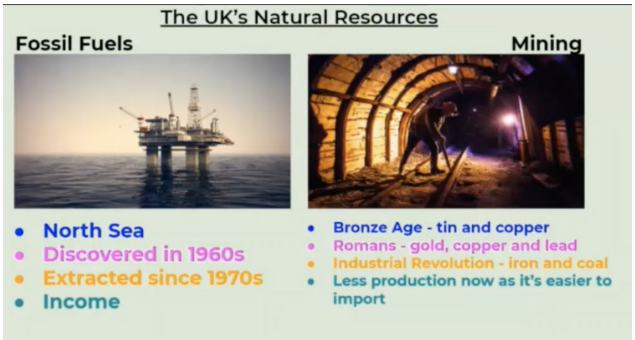
coal

pressure

Industrial Revolution







Complete the sentence.

The UK is the ____ largest country by area and the ____ largest island country.

The UK 's tallest mountain is _____ and its longest river is the River _____.

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

Time and Place - Thursday's lesson

Additional video available on:
https://classroom.thenational.academy/

What resources does the UK have?

Task: Make a list of the UK's natural resources, separating by category.

Geological resources (metals and fossil fuels)	Agriculture (crops and livestock)	Fish

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Hampton Vale Primary Academy

Curiosity Confidence Courage Constancy

YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L -Friday's lesson

Additional video available on:
https://classroom.thenational.academy/

Diary: Planning and writing our own diary entry

Independent Activity

Your task is to write your own diary entry about what happens after being transported into a video game.

It needs to be written in chronological order in an informal style. Remember to include your thoughts and feelings.

Where were you before you were transported into the video game?

How did you end up in the game?

Let's plan some ideas together...

Things to think about...

Where is the game set?

in a cave

up a mountain

on the moors

in a jungle

in an abandoned city

in a swamp

in a forest

next to a river

on another planet

What is the object of the game?

Do you have to collect something (like the bananas in our wagoll)

How do you get to the next level of the game?

Do you have a certain number of lives?

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YEAR 4 HOMEWORK

OAK NATIONAL ACADEMY

L.O.L -Friday's lesson

Additional video available on:
https://classroom.thenational.academy/

Things to think about...

Antennae

Hideous / grotesque / gruesome / ugly /repulsive

Part spider, part scorpion

Tentacles

Short, trunked creature

Do you come across any creatures and if so what does it looks like?

Eight-legged

Slimy, green

Skin as slippery as an eel / Dry scaly skin

Elongated, purple tail

Spines like a hedgehog

Hairy / woolly / furry / slimy

Unusual / peculiar / strange

Spikes / spines /quills

Collide into it

Ride upon its back

How do you defeat it for added bonus points?

Feed it venomous plants

Shine a torch into its eyes so it disappears

A superhero

A unicorn with superpowers

Do you meet anyone else in the game that helps you in your quest?

A magic fairy

A wizard

A friend from school who you are playing online with

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Are you successful in your quest?

How do you end up back where you started?

How do you feel about the strange experience?

How will you end your diary entry?

Getting started...

Relaying details chronologically

Using correct text feature

Dear Diary,
What an extraordinary day! It all began very early at 5 o'clock this morning when I suddenly felt the urge to play on my X-Box. I turned it on but a message pinged up onto my screen: 'Click link to download the latest add-ons'. I clicked it and the blue bar crept slowly to its finish line. I felt frustrated waiting...98%. 99%...then a blinding flash of light.

Expanded noun phrases and adverbials to add detail

Emotive language - portraying character feelings.

Leading into the action

14

Getting started...

Using correct text feature

Relaying details chronologically

Informal - use of contractions

Dear Diary,
You'll never guess what happened to me today! It all began in my grandad's basement... I always like to go down into the quiet depths whilst the adults chat in the lounge. This time was different. I found some boxes belonging to my dad when he was my age: they were stacked up and covered in dust. Inside the top one, I found an enormous, ancient gameboy. I pressed the on button not really expecting anything to happen... when a strange green light came on.

conjunctions to add detail

Expanded noun phrase

Ellipsis to lead into the action

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VOCABULARY you could use:

extraordinary	frantic	peculiar
urge	bewildered	anxious
transported	unexpected	collide
recognise	feral	midst
surroundings	soar	perilous
pungent	momentarily	prised
plummet	stunned	venomous
excitement	frantic	horrified

To be successful...

Feature	Example
1st person	The next thing **I** remember is
Past tense & chronological	It all began...
Expanded noun phrases	emerald-green leaves; pungent scent
Coordinating and subordinating conjunctions	Whilst, because, And, but
Adverbials	Suddenly; unexpectedly
Informal	I **couldn't** work out...
Emotive (feelings/emotions/reactions)	I felt frustrated

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OAK NATIONAL ACADEMY

<u>L.O.L -Friday's lesson- Now plan and complete your diary entry</u>

Additional video available on:
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<u>L.O.L -Friday's lesson- Now plan and complete your diary entry</u>

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OAK NATIONAL ACADEMY

Maths - Friday's lesson

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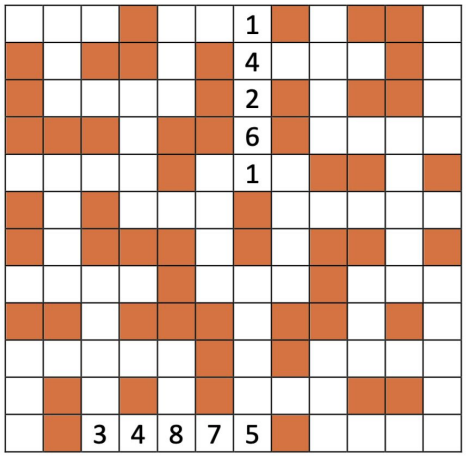
To identify a pattern.

To Start Can you complete the number grid by putting the numbers into the correct places?



3 DIGITS		4 DIGITS		5 DIGITS	
217	625	1524	5371	~~14261~~	41385
246	756	1594	6174	24173	71490
251	842	2652	6205	~~34875~~	75216
258	924	3861	7326	35420	90162
321	925	4528	8275		
328	961	4832	9527		
367		5290			

Task 1

Can you work out the solutions to the calculations? Write the answers in Roman numerals too

Calculation	Answer
XV + XV	
XXIII + XXIII	
MMII + MMII	
MMV + MMV	
CLXXI + CLXXI	
DCVII + DCVII	

Don't forget:

I	1
V	5
X	10
L	50
C	100
D	500
M	1000

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Task 2

Can you write the first 6 terms in each sequence – follow the rule and pay attention to the start number

1. The rule is add 10, the start-point is 11

2. The rule is add 5, the start-point is 37

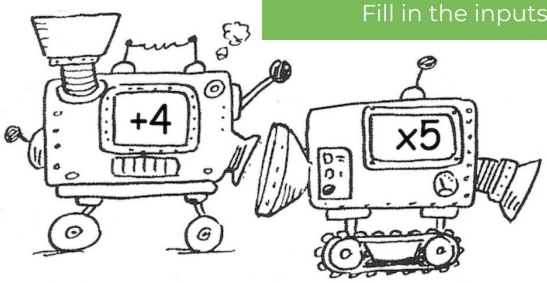
3. The rule is subtract 13, the start point is 9

4. The rule is subtract 9, the start point is 25

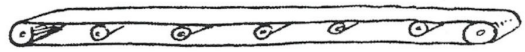
5. The rule is add 100, the start point is -394

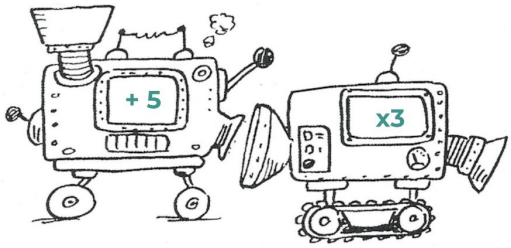
Challenge

Fill in the inputs/outputs from these function machines.

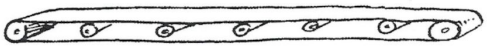


in	4	12	9	20	11	7
out						





in						
out	45	48	42	36	33	27



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OAK NATIONAL ACADEMY

Art - Friday's lesson

Additional video available on:
https://classroom.thenational.academy/

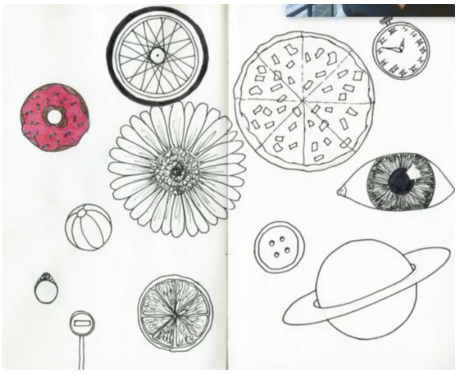
Equipment

You will need:

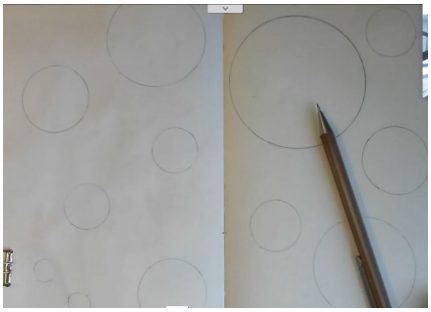
- Paper (plain or lined - whatever you have!)
- A pencil
- Circular Objects to draw around

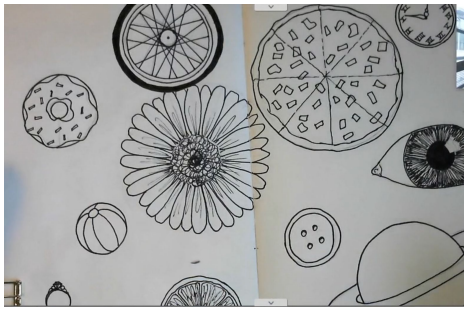
Optional:

- Black felt marker or pen
- Coloured pencils



1- Draw 12 circles on your piece of paper- all different sizes
2- Think of 12 things that are a circle shape (wheel, a planet)
3- Turn each of your circles into a different object.
4-You can then use colour on each shape.
5- Now think of what went well and what you you change if you did it again?





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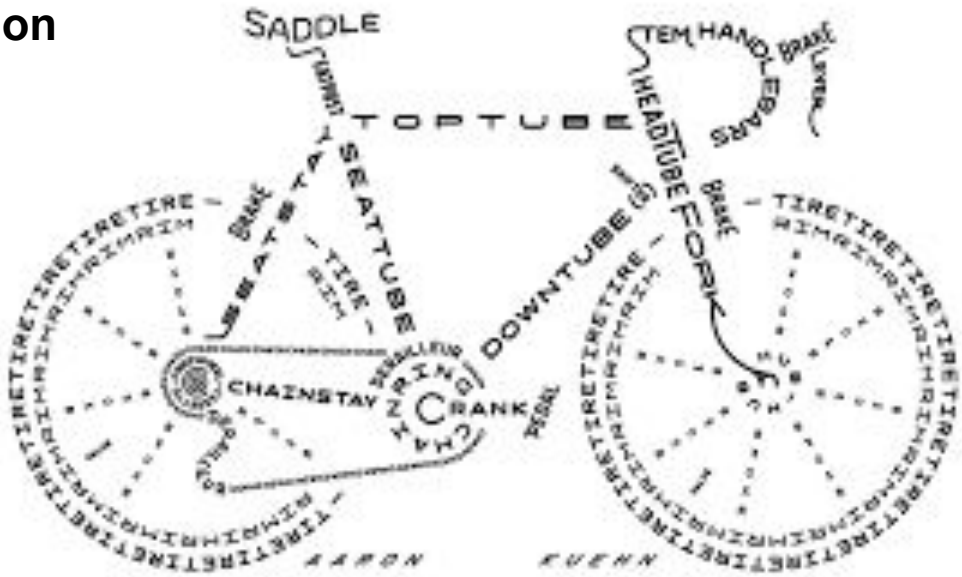
YEAR 4 HOMEWORK

Weekly spellings:

Using your spellings words, make a picture using the words as the lines of the image, be as creative as you wish and use the word more than once within your image.

1. **Solar**
2. **Solution**
3. **Soluble**
4. **Insoluble**
5. **Dissolve**
6. **Solidify**
7. **Real**
8. **Realistic**
9. **Unreal**
10. **Realisation**



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YEAR 4 HOMEWORK

Year 4 common exception words:

Year 3 and 4 Common Exception Words

Aa	breath	consider	enough	group	island	natural	popular	**Rr**	surprise
accident	breathe	continue	exercise	guard	**Kk**	naughty	position	recent	**Tt**
accidentally	build	**Dd**	experience	guide	knowledge	notice	possess	regular	therefore
actual	busy	decide	extreme	**Hh**	**Ll**	**Oo**	possession	reign	though
actually	business	describe	**Ff**	heard	learn	occasion	possible	remember	thought
address	**Cc**	different	famous	heart	length	occasionally	potatoes	**Ss**	through
although	calendar	difficult	favourite	height	library	often	pressure	sentence	**Vv**
answer	caught	disappear	February	history	**Mm**	opposite	probably	separate	various
appear	centre	**Ee**	forward	**Ii**	material	ordinary	promise	special	**Ww**
arrive	century	early	forwards	imagine	medicine	**Pp**	purpose	straight	weight
Bb	certain	earth	fruit	increase	mention	particular	**Qq**	strange	woman
believe	circle	eight	**Gg**	important	minute	peculiar	quarter	strength	women
bicycle	complete	eighth	grammar	interest	**Nn**	perhaps	question	suppose	

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YEAR 4 HOMEWORK

Storm in a Glass

Materials

- Shaving cream
- A large glass
- water
- Food coloring
- A spoon

Instructions:

1. Fill the glass 1/2 full with water
2. Spray some shaving cream on top of the water to fill the glass to ¾ full.
3. Use your finger or a spoon to spread the shaving cream evenly over the top of the water. The top of the shaving cream should be flat.
4. Mix ½-cup water with 10 drops of food coloring in a separate container. Gently add the colored water, spoonful by spoonful, to the top of the shaving cream. When it gets too heavy, watch it storm!

Find out what will happen with different amounts of shaving cream.

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YEAR 4 HOMEWORK

Additional learning:

Paper Plate Flying Saucer

You will need:

- 2 paper bowls
- Paper cup
- PVA glue
- Pipe cleaners
- Googley eyes
- Scissors
- Silver foil
- Pom-poms
- Green, black, yellow and red paint
- Stick on jewels or sequins

Turn both paper bowls upside bown, then choose a paint colour and paint the bottom and rim of each bowl, then leave to dry.

Use a different colour to paint the sides of the bowl, then leave to dry.

Trim the bottom off the paper cup, th.en. th.in.ly cover in. PVA glue.

Cover the cup bottom in silver foil, then leave to dry.

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Additional learning:

Using PVA glue, stick the cup bottom on to the middle of one paper bowl, then leave to dry.

Next, spread PVA glue around the inside edge of one of the paper bowls. Then join the two bowls together, pressing firmly around the edge of them, before leaving to dry.

Where the cup joins the paper bowl, run a line of glue. Then bend a pipe cleaner around and twist the ends together so it sits snugly at the join.

Decorate the flying saucer by sticking jewels or sequins around the outside edge of the top paper bowl.

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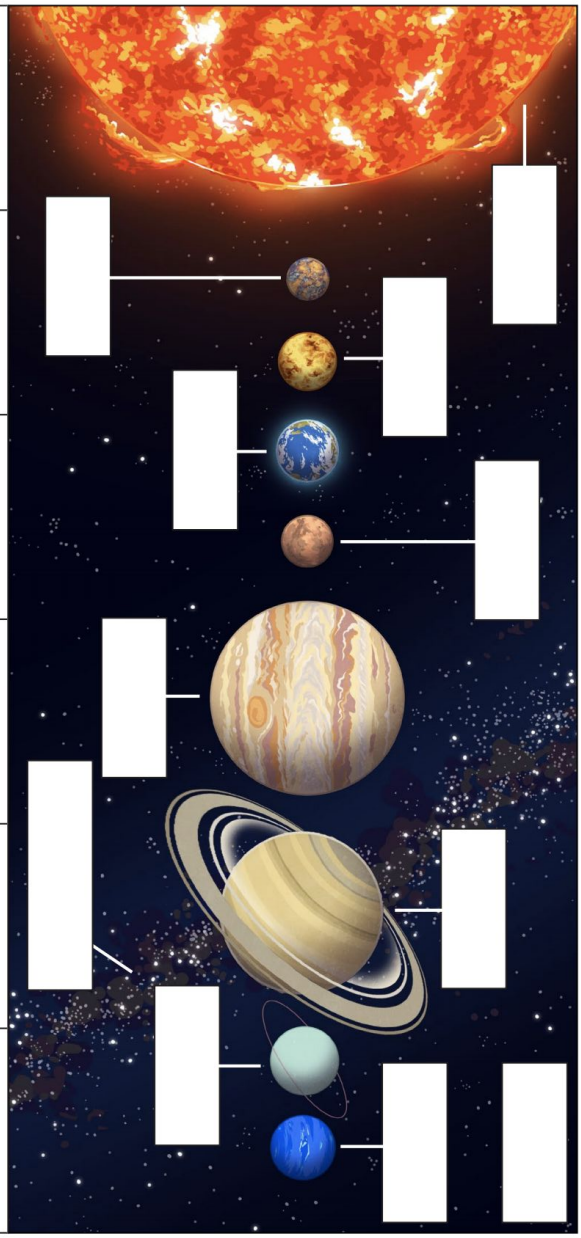
YEAR 4 HOMEWORK

Additional learning:

The Solar System

Use the word bank provided to label the parts of the solar system.



Mars	Earth	Neptune	Saturn	outer space	The Milky Way
Jupiter	Uranus	The Sun	Venus	Mercury	

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YEAR 4 HOMEWORK

Additional learning:

The Solar System

Which planet is the biggest? _____

Which planet orbits furthest from the Sun? _____

What is the name of our galaxy? _____

Which planet has the most rings? _____

Choose a planet to research

My planet is _____

Research the planet and organise the information into the table.

Size		**Temperature**	
Moons		**Atmosphere**	
Length of day		**Length of year**	

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YEAR 4 END OF YEAR EXPECTATIONS

This page provides information for parents and carers about the end of year expectations for Year Four children in our school. These expectations have been identified as being the minimum requirements your child must meet in order to ensure continued progress throughout the following year.

Reading

- Read a range of texts for enjoyment
- Re-tell some stories orally with expression
- Give a personal point of view on a text
- Identify themes and conventions in a wide range of books
- Discuss words and phrases that capture the reader's interest and imagination
- Recognise and perform different forms of poetry
- Explain a text with confidence
- Justify inferences with evidence, predicting what might happen from details stated or implied
- Identify how sentence type can be changed by altering word order, tenses, adding/deleting words or amending punctuation
- Skim and scan to locate information and/or answer a question

Speaking and Listening

- Articulate and justify opinions
- Speak with clear diction so that the audience can hear what is being said
- Maintain and monitor the interest of the listener
- Participate in discussions, taking turns and listening to what others have to say

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YEAR 4 END OF YEAR EXPECTATIONS

Writing

- Plan, draft and write in a range of genres
- Proofread for spelling and punctuation errors
- Evaluate and edit own and others writing
- Read aloud own work, to a group or the whole class using appropriate intonation and tone
- Build a varied and rich range of vocabulary
- Use adjectival phrases (e.g. biting cold wind)
- Vary sentence structure, using different openers
- Appropriate choice of noun or pronoun
- Apostrophe for singular & plural possession
- Comma after fronted adverbial (e.g. Later that day, I heard some good news.)
- Use commas to mark clauses
- Use connectives to link paragraphs around a theme
- Legible, joined handwriting of consistent quality
- Spell common homophones
- Use prefixes and suffixes
- Spell words that are often misspelt

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YEAR 4 END OF YEAR EXPECTATIONS

Maths

• Count backwards through zero to include negative numbers
• Compare and order numbers beyond 1000
• Compare and order numbers with 2 decimal places
• Read Roman numerals to 100 (I to C) • Find 1000 more/less than a given number
• Count in multiples of 6, 7, 9, 25 & 1000
• Recall & use multiplication & division facts for all tables to 12 x 12
• Recognise Place Value of any 4-digit number
• Round any number to the nearest 10, 100 or 1000
• Round decimals with 1dp to nearest whole number
• Add & subtract: Numbers with up to 4-digits using efficient written method Numbers with up to 1dp
• Multiply 2-digit by 1-digit numbers and 3-digit by 1-digit numbers using column multiplication
• Divide 3-digit by 1-digit using short division
• Count up/down in hundredths
• +/- fractions with same denominator
• Identify simple equivalent fractions
• Add and subtract fractions with common denominators
• Recognise and write decimal equivalents of any number of tenths or hundredths
• Recognise, round and write decimal equivalents
• Read, write & convert time between analogue & digital, 12 & 24 hour clocks
• Compare 2-D shapes, including quadrilaterals and triangles
• Find the area and perimeter of a shape
• Estimate and calculate measurements
• Identify properties of angles
• Introduce simple translations and identify symmetry
• Use coordinates
• Use bar charts, pictograms and line graphs
• Estimate, compare and calculate different measurements, including money in pounds and pence
• Solve number and real-life problems