

Year 4 Learning Grid

Week Commencing 1st February 2021

	Fast Maths	Guided Reading	Maths	English	Topic
Monday	Partition 2-digit numbers.	Jamie Drake Equation Comprehension.	Multiply a 2-digit numbers by a 1-digit number.	<ul style="list-style-type: none">• Spelling• Editing and improving your brochure to Mars.	Neil Armstrong - the first man on the moon. (two activities)
Tuesday	Partition 2-digit numbers.	Jamie Drake Equation Comprehension.	Multiply a 2-digit numbers by a 1-digit number.	Continue the story of the Apollo mission to the moon.	Science - Grouping animals (2 activities)
Wednesday	Multiply a 2-digit by a 1-digit number.	Jamie Drake Equation Comprehension.	Multiply a 2-digit numbers by a 1-digit number.	SPAG - fronted adverbials.	Screen Free Afternoon <ul style="list-style-type: none">• Art - paint some pebbles with your own patterns.• Create your own board game.
Thursday	Multiply a 2-digit by a 1-digit number.	Jamie Drake Equation Comprehension.	Multiply a 2-digit numbers by a 1-digit number.	Using the story starter continue the story.	Music -Miss Siddle
Friday	Use column addition to calculate.	Jamie Drake Equation Comprehension.	Multiply a 2- digit numbers by a 1-digit number.	<ul style="list-style-type: none">• Spelling Test• SPAG - speech punctuation.	<ul style="list-style-type: none">• PE Challenges• Jigsaw

Fast Maths

1.2.21

Ob - To partition a number into tens and

ones.

Partition the following numbers into tens

and ones:

39

45

66

50

84

95

37

Now make up three 2-digit numbers of

your own and partition them.


Monday 1st February

Ob – To multiply 1-digit by 2-digit numbers





Fluency 1

Tens	Ones
	
	
	
	

$$\square \times \square = \square$$

Tens	Ones
	
	

$$\square \times \square = \square$$

Tens	Ones
	
	
	

$$\square \times \square = \square$$

Fluency 3

2) Draw place value counters on each place value chart to represent the correct calculation.

a)

Tens	Ones

$$42 \times 2 = \square$$

b)

Tens	Ones

$$32 \times 3 = \square$$

Application

Darcy is trying to work out the answer to 64×5

Highlight the errors that Darcy has made

$\begin{array}{r} \underline{X} \\ 60 \end{array}$	$\begin{array}{r} \underline{5} \\ 4 \end{array}$	

Now show me how to correctly calculate 64×5

Monday 1st February 2021

NCO - Predict what might happen from details stated and implied.

. I can predict what might happen based on details I have read.

Read to end of chapter 4 - p29-31

Using what you have already read, predict what you think will happen next. Who might this woman be? Think about where they are and what they are doing to help you. Try to write at least two predictions.

Remember to write in full sentences, explaining why you think this.

For example - I predict the woman is..... I think this because in the text it says/tells you that...

Challenge -According to the text, what made the Observatory look 'abandoned'?
p29

Topic - Monday 1st February

Read the Powerpoint slides all about Neil Armstrong.



Who is Neil Armstrong?

Neil Armstrong was a famous American astronaut.

He is famous for being the **first man on the moon.**

A photograph of Neil Armstrong in a white space suit, holding his helmet. The Earth is visible in the background. The image is part of a presentation slide with a blue background and a white text box. A 'twinkl' logo is in the bottom right corner.

Neil Armstrong's Life

His first trip into space was aboard **Gemini 8** in 1966.

Then in 1969 he went aboard **Apollo 11** and became the first man to walk on the moon.

He died in 2012 in Ohio, USA.



Walking on the Moon

On December 23, 1968, Neil Armstrong was offered the chance to command the space mission Apollo 11. This would be the first manned landing on the moon. After months of practice and preparation, the Apollo 11 spacecraft launched from the **Kennedy Space Centre** in Florida on July 16th 1969.

Neil Armstrong, along with Buzz Aldrin, landed on the moon. Click [here](#) to see the spacecraft landing... Neil became the first man to walk on the moon on July 21st 1969. The astronauts arrived back on earth on July 24th 1969.



Neil Armstrong's Famous Words

After stepping onto the moon, Neil Armstrong was heard saying: "That's one small step for man, one giant leap for mankind."



The image shows Neil Armstrong in a white spacesuit, holding his helmet. He is standing on the moon, with the Earth visible in the background. The suit has an American flag patch on the shoulder and an NASA logo. The helmet is white with a clear visor. The background is a dark, cratered lunar surface with the Earth's horizon and a bright sun in the distance.

Task 1: What might Neil Armstrong have been thinking when he first stepped out of the spacecraft as the first man on the moon? Use the thought bubbles to write down your ideas...

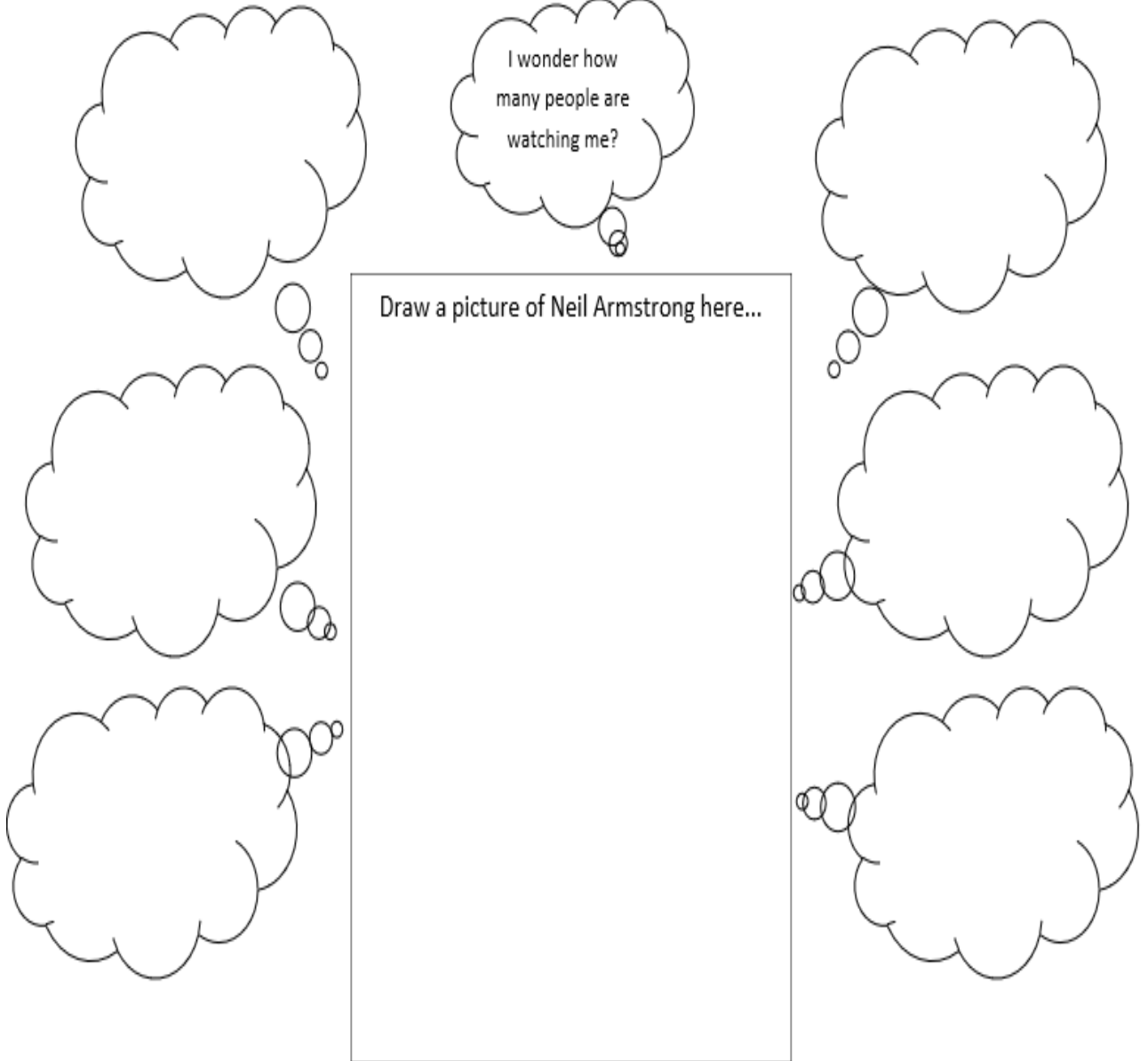
Task 2: What were Neil Armstrong's first words on the moon?

Neil Armstrong

The first man on the moon...

I wonder how
many people are
watching me?

Draw a picture of Neil Armstrong here...



Here are this weeks spellings.

There is a sheet below to help you practise them. Try to practise them when you have any spare time.

On Friday, do a spelling test either with an adult or on your own to see how many you have remembered. Correct with a different coloured pen any you got wrong.

Good Luck!!

If you want to send us your score, feel free to send us a photo.

Spellings

Look, Say and Cover	Write	Write	Write
famous			
dangerous			
joyous			
furios			
nervous			
spacious			
poisonous			
mysterious			
ridiculous			
hazardous			

Fast Maths

2.2.21

Ob - To partition a number into tens and ones

The numbers below have been partitioned. What did the partitioned numbers begin as?

$$40 \text{ and } 3 = \underline{\hspace{2cm}}$$

$$30 \text{ and } 7 = \underline{\hspace{2cm}}$$

$$50 \text{ and } 8 = \underline{\hspace{2cm}}$$

$$40 \text{ and } 9 = \underline{\hspace{2cm}}$$

$$60 \text{ and } 8 = \underline{\hspace{2cm}}$$

$$70 \text{ and } 1 = \underline{\hspace{2cm}}$$

$$90 \text{ and } 7 = \underline{\hspace{2cm}}$$

$$10 \text{ and } 3 = \underline{\hspace{2cm}}$$

$$20 \text{ and } 0 = \underline{\hspace{2cm}}$$

Tuesday 2nd February

Ob - To multiply 1-digit by 2-digit numbers

Fluency 1

What multiplication is being shown here?

T	O
10	1 1 1 1 1
10	1 1 1 1 1
10	1 1 1 1 1

Use the partitioning method that we have learnt to work out the calculation.

Fluency 2

Use place value counters to show me the multiplications and then work out the answer to each calculation.

- a) 3×21
- b) 4×34
- c) 3×53
- d) 4×68
- e) 6×68

Application 1

Class 4 is selling tickets for a play.

Tickets cost £5 per person.

56 tickets have been sold so far.

How much money has Class 4 collected?

Application 2

Rosie buys 8 bunches of flowers. Each bunch has 17 flowers.

How many flowers does she have altogether?

Tuesday 2nd February 2021

NCO - Draw inferences such as character's feelings, thoughts and motives, and I am beginning to justify these with evidence.

· I can draw inferences such as character's feelings, thoughts and motives, and I am beginning to justify these with evidence.

Read pages 32 - 35

Task - Describe how Jamie is feeling in this chapter and why. **Use evidence from the text. Try to use at least two pieces of evidence.**

For example - I think Jamie is feeling I know this because in the text it says.....

Challenge - Find and copy the phrase or sentence that describes what Jamie's brain is doing (page 34).

Tuesday 2nd February

Task: Continue the story of the Apollo mission to the moon.



"Houston come in. Houston come in. This is Apollo 11. We have touched down on the surface of the moon. Over."

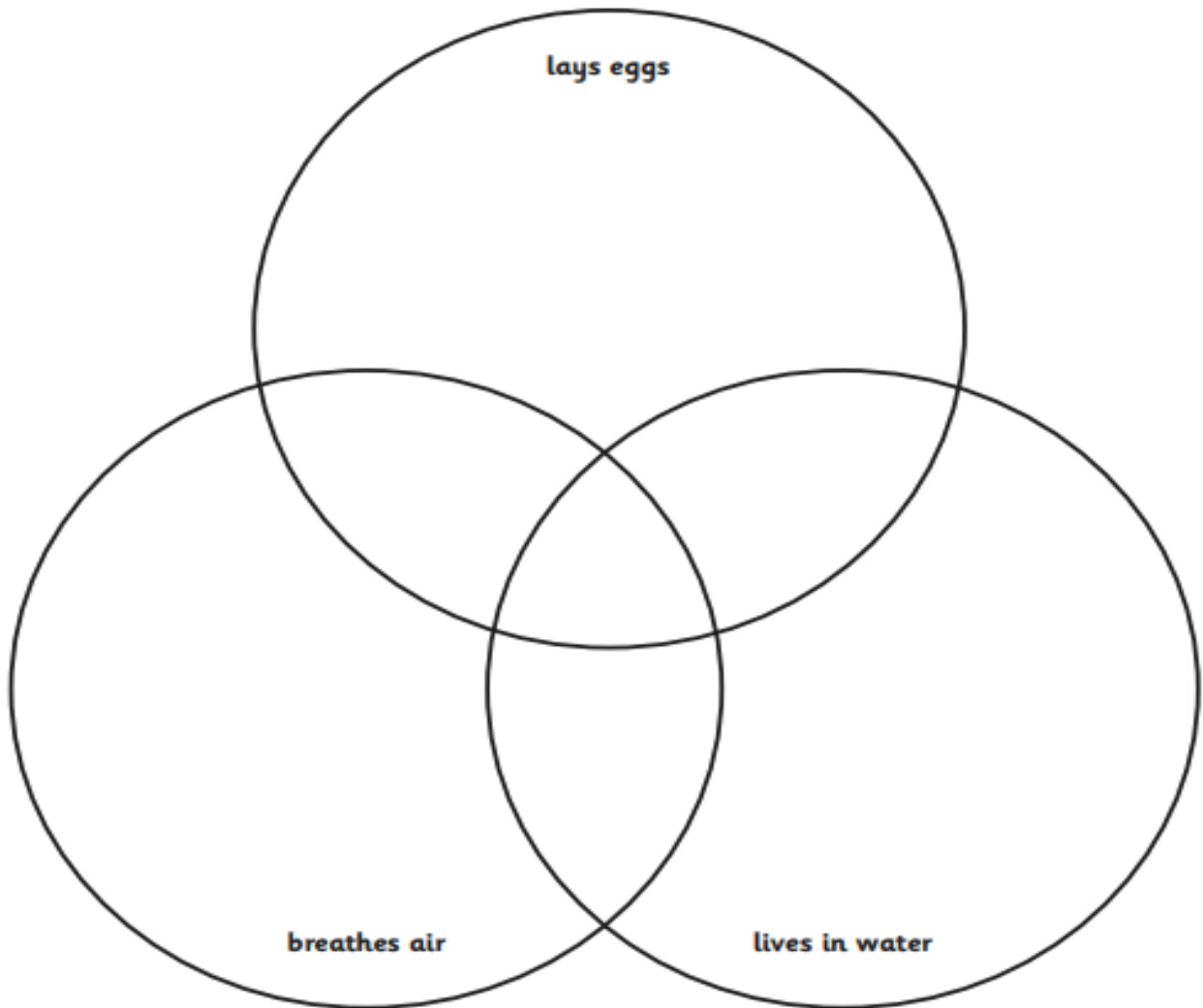
"Apollo 11, this is Houston. You are clear to begin your mission. Over."

Gazing around in a state of awe and wonder, the astronaut stood and admired what he saw. Outer space was a thing of pure beauty: a never-ending chasm of blackness, illuminated by stars that sparkled like beautiful diamonds. He took a few steps forward, smiling at the joy of the feeling of weightlessness that never ceased to amaze him. Happy that his oxygen levels were high and his friends were close by, the astronaut set about his mission. All seemed to be going well, but then the warning alarm on the ship sounded...

"Houston. Houston come in! Houston, we have a problem..."

Science - Tuesday 2nd February

Task - Sort the animals into the correct group. Use the information on the cards to help you (next page). You just need to write the name of the animal. Remember that some animals may belong to more than one group (overlapping circles).



whale



Lives in water

Gives birth

Breathes air

salmon



Lives in water

Lays eggs

Breathes through gills

brown crab

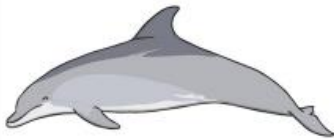


Lives in water

Lays eggs

Breathes through gills

dolphin



Lives in water

Gives birth

Breathes air

snake

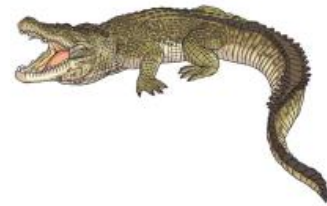


Lives on land

Lays eggs

Breathes air

crocodile



Lives in water

Lays eggs

Breathes air

shark



Lives in water

Gives birth

Breathes through gills

chameleon



Lives on land

Lays eggs

Breathes air

giant tortoise



Lives on land

Lays eggs

Breathes air

sea turtle



Lives in water

Lays eggs

Breathes air

octopus



Lives in water

Lays eggs

Breathes through gills

polar bear



Lives on land

Gives birth

Breathes air

Now classify the animals in the table below. You may want to add some animals of your own here in a different colour!



	Lays eggs	Does not lay eggs
Birds		
Not birds		

Fast Maths

3.2.21

Ob - To multiply a 1-digit by a 2-digit number

Partition the 2-digit number to allow you to calculate the following:

a) 36×4

b) 58×6

c) 62×6

d) 72×4

Fluency 2

Now use the method above to calculate the following

a) 52×4

b) 61×8

c) 73×3

d) 81×7

e) 90×7

Application 1

A bag of marbles has 65 marbles. A shop owner sells 8 bags of marbles on Monday

How many marbles have been sold?

Use a written method to show your answer.

Application 2

On Tuesday the shop owner sells a further 4 bags of marbles.

How many marbles have been sold on Monday and Tuesday altogether?

Use a written method to show your answer.

Wednesday 3rd February 2021

NCO - ask relevant questions to improve my understanding of the text.

· I can ask relevant questions to improve my understanding of the text.

Read pages 36-38

Write 3 questions you would ask the woman and 3 questions you would ask Jamie

For example: Why are you mean to Jamie?

Challenge - Choose one of you questions and write a response (the answer to the question)

English - Wednesday 3.2.21

This grammar session explores fronted adverbials - they will make your writing more meaningful to the reader. The video contains small grammar tasks so stop at the different stages and carry out the task on a piece of paper or writing book at home. You can then upload images of your work on Teams or Class Dojo.

[To explore the functions of fronted adverbials \(thenational.academy\)](https://www.thenational.academy)

Then complete the sheet below.

Wednesday 3rd February 2021

Ob - To use adverbials to express time.

When did it happen?

Add a fronted adverbial for time to each of the sentences below. You can use the time adverbials suggested below (in red) or you can think of your own. Remember, you must add a comma after the fronted adverbial.

For example: Whilst cooking dinner, Dad burnt his hand.

After lunch

During the film

Before running the race

Last summer

At night

After getting out of bed

Type/write in the boxes below.

	Shelia ate her breakfast.
	Jack cleaned his teeth and got ready for bed.
	we went to Spain for a holiday.
	We ate a delicious dessert.
	Ryan did some warm-up exercises.

Fast Maths

4.2.21

Ob - To multiply a 1-digit by a 2-digit number

Partition the 2-digit number to allow you to calculate the following:

a) 47×6

b) 39×6

c) 57×7

d) 73×3

Fluency 2

Now use the method above to calculate the following

- a) 58×8
- b) 66×8
- c) 74×6
- d) 83×7
- e) 90×7

Application 1

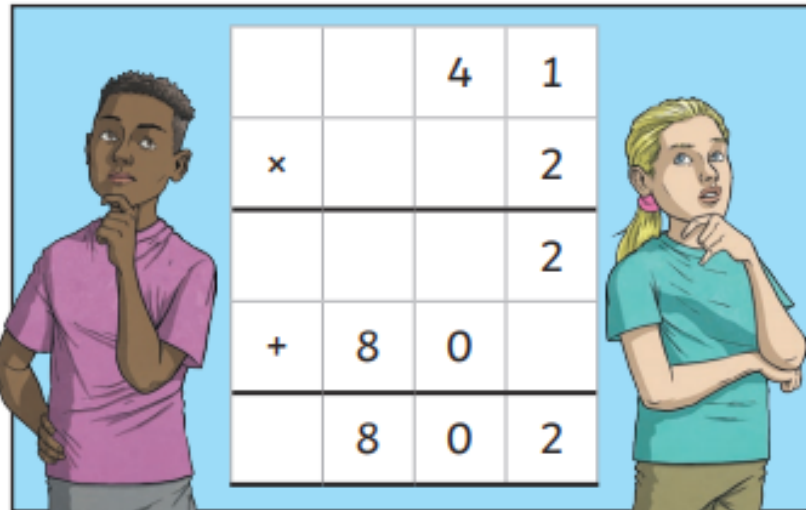
- 1) Jean-Luc used base ten to represent 31×3 . He got 62 as the answer. Can you spot his mistake?



Tens	Ones
	
	

Application 2

- 2) Diana has completed this calculation but Wesley says that this cannot be the correct answer. Who do you agree with? Explain your reasons.



The illustration shows two children, Wesley and Diana, looking thoughtful. Wesley is on the left, wearing a pink shirt, and Diana is on the right, wearing a teal shirt. Between them is a grid containing a calculation:

		4	1
x			2
<hr/>			
			2
+	8	0	
<hr/>			
	8	0	2

Thursday 4th February 2021

NCO - to retrieve information from texts.

· I can retrieve information from texts.

Read pages 39 -41

1. Why was Jamie at the Observatory? p39
2. What is Professor Forster's job? p39
3. In Jamie's eyes what should a typical astronomer look like? p40
4. What is Professor Forster's waiting for? p40
5. Jamie is scared. Is this statement true or false? Use evidence on page 41 to support your answer.

English - You will need to do your work on a piece of paper.

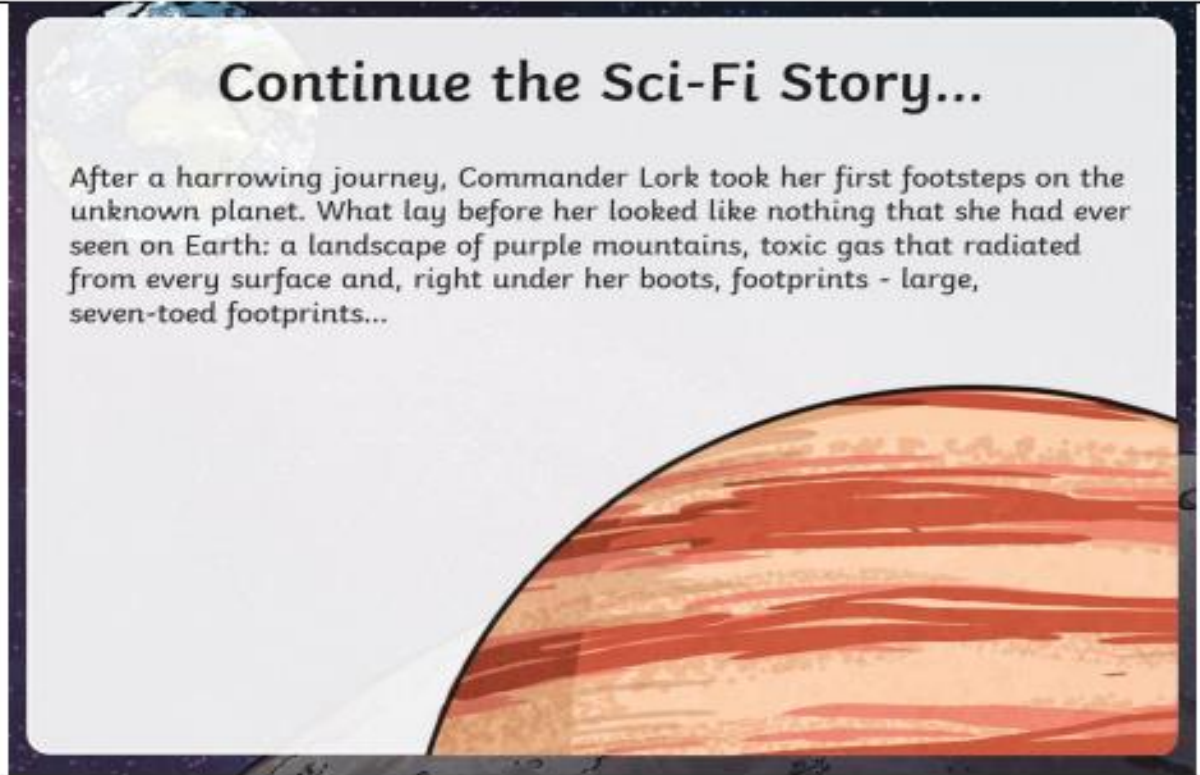
Thursday 4th February

Task:

Using the story starter below pretend you are Commander Lork. Describe your landing on the unknown planet. What made that footprint? How did you feel? Did you get back to Earth?

Continue the Sci-Fi Story...

After a harrowing journey, Commander Lork took her first footsteps on the unknown planet. What lay before her looked like nothing that she had ever seen on Earth: a landscape of purple mountains, toxic gas that radiated from every surface and, right under her boots, footprints - large, seven-toed footprints...



Music

Meet The Orchestra

Task 1

Watch this clip of George meeting the Orchestra and answer the questions.

<https://www.youtube.com/watch?v=MOJc4sPOBEE>

1. What is an orchestra?
2. What does the conductor do?
3. There are 4 sections in the orchestra. Can you name each family?
4. What is the difference between a woodwind instrument and a string instrument? What do they use to make the sounds?
5. How do you make a sound on a brass instrument?
6. Which instrument is your favourite and why?

Task 2

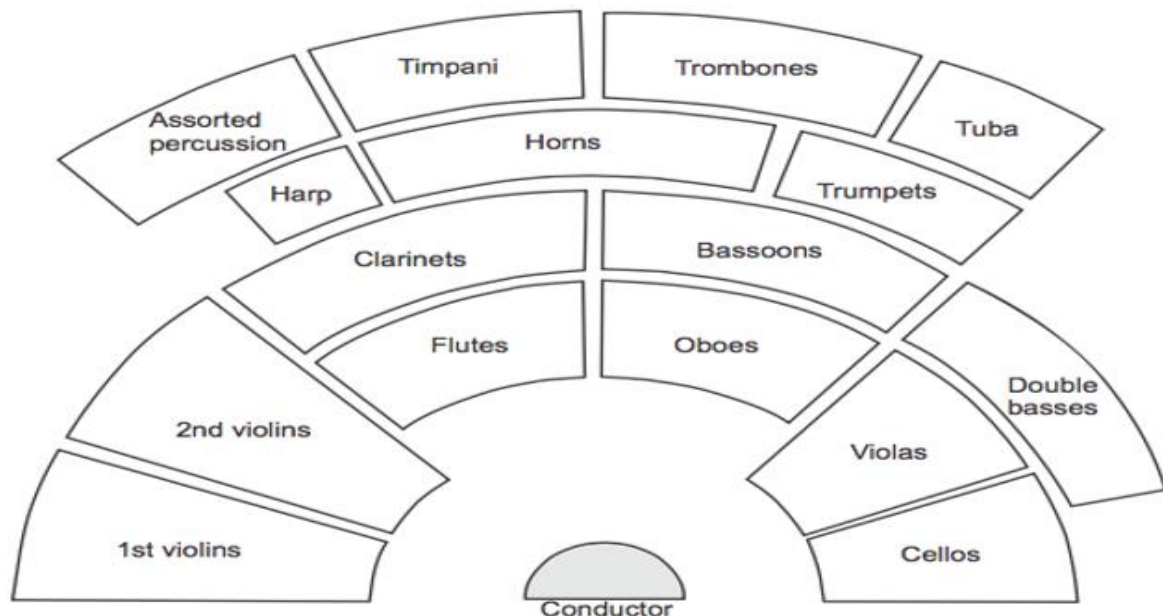
Colour in all of the instruments that are part of the same family. Use one colour for each section.

Red = Brass

Green = Woodwind

Blue = Strings

Orange = Percussion



Task 3

Enjoy watching this video about a piece of music called 'Mars' by **Gustav Holst**.

<https://www.bbc.co.uk/programmes/p02fls7d>

1. How does the music make you feel?
2. Can you name any instruments that you can see or hear?
3. Think of one word that best describes the mood of this music.
4. Which other planets did Gustav Holst write music for?

Fast Maths

5.2.21

Ob - To use column addition to calculate.

Find answers to the additions below.

a) $58 + 63$

b) $46 + 53$

c) $52 + 73$

d) $62 + 40$

e) $64 + 94$

Friday 5th February

Fluency 1

- 1 Filip uses a place value chart to help him multiply a 3-digit number by a 1-digit number.

Hundreds	Tens	Ones
100	10 10	1 1 1 1
100	10 10	1 1 1 1
100	10 10	1 1 1 1

- a) What multiplication is Filip working out?
b) What is the answer to Filip's multiplication?

Fluency 2

2 Use place value counters to complete the multiplications.

a) 3×213

d) 6×106

b) 4×216

e) 4×209

c) 5×106

f) 317×3

Fluency 3

3 Complete the multiplication.

Use the place value chart to help you.

H	T	O
100 100	10	1 1 1 1 1
100 100	10	1 1 1 1 1
100 100	10	1 1 1 1 1

		H	T	O
		2	1	5
	x			3
		<hr/>		
		<hr/>		

Application

H	T	O
100 100	10	1 1 1 1 1
100 100	10	1 1 1 1 1
100 100	10	1 1 1 1 1

Darcy says that she can partition the above representation.

She says that she has:

6 hundreds

3 tens

15 ones.

She says that she can exchange some of the ones. Explain what Darcy means. You may want to show what she has done in the diagram.

Friday 5th February 2021

NCO - to retrieve information from texts.

- I can retrieve information from the texts.
- 1. Find and copy the word that describes how Professor Forster moved her arms on p42.
- 2. What is Professor Forster searching the whole Galaxy for? p42
- 3. Copy the word or phrase that tells us her voice starts to disappear? p43
- 4. What TV is Professor Forster trying to tune into? p43
- 5. What is the equation called and who is it named after? p44
- 6. Find and copy the words that describe the size of Professor Forster's brain. p45

Challenge - Using only two or three words describe how Jamie is feeling whilst listening to Professor Forster explaining her work. Remember to use the clues in the text to support your word choice.

English - Friday 5.2.21

This grammar session explores punctuating speech - they will make your writing more interesting. The video contains small grammar tasks so stop at the different stages and carry out the task on a piece of paper or writing book at home. You can then upload images of your work on Teams or Class Dojo.

Task 1 - [To revise speech punctuation \(thenational.academy\)](https://www.thenational.academy)

Task 2 - Look at the picture below. What do you think they are saying to each other? Remember when you write them down you need to use speech marks and capital letters and exclamation marks. You can even make up their names.



For example - "Give me my teddy back Elliot!" shouted Henry.

5.2.21

Jigsaw - Dreams and Goals

- know how to make a new plan and set new goals even if I have been disappointed.
- know what it means to be resilient and to have a positive attitude.



Task 1 - Write your answers to the questions in the boxes provided. Try to answer the questions in full sentences. For example: My goal is to be a footballer.

Use the word/phrase box below to help you with your answers.

Words/phrases to help

persevere

always give 100%

Keep positive

keep focussed

don't give up

keep going

Question	Answer
What is my Goal?	
What can I do to achieve my Goal?	
What could stop me from achieving my Goal?	

What can I do to overcome this?	

PE Challenges - The instructions for each challenge are included in the tables below. You may want to have a few practices first.

Challenge 1 - 1 pass around counts as one. If you haven't got a ball just use a something that is shaped like a ball e.g. an orange. You are going to practise passing a ball around your body. Remember to keep count and use a timer. Then record your best score in the table below.

Challenge 2 - Move as many objects e.g. toys or pencils or cushions from one side of the room the other using only your feet!! One object at a time. Remember to count or use a timer. Then record your best score in the table below.

Challenge 1 - Mrs Mounce got 40 altogether.

Challenge 2 - Mrs Mounce got 8 altogether.

Can you beat Mrs Mounce?

Pass a ball around your body	How many repetitions can you make in 30 seconds?	Number
Tricky	Passing a ball around your waist	
Trickier	Passing a ball around your legs in a figure of 8	
Trickiest	Passing a ball around your waist then around your legs in a figure of 8	
	Total (add the 3 numbers together)	=

Seated Balance (exchange objects)	How many objects can you pass from one zone to another using your feet in 30 seconds?	Number
Tricky	Both hands on the floor	
Trickier	One hand on the floor	
Trickiest	With no hands on the floor	
	Total (add the 3 numbers together)	=