

## Timetable for home learning pack- Space

	9 am Calculation	9.20 am Maths	10.20 am Break	10.30 am Spelling	11 am English	12 pm Lunch	1 pm Rockstars	1.30 pm Topic	2.30 pm Reading
Monday	2-digit place value	Read and write numbers to 100		Prefixes Dis-, mis-, un-	Journey into space		Log onto rockstars and work on your maths recall <a href="https://trockstars.com/">https://trockstars.com/</a>	Space timeline	Reading comp
Tuesday	Ordering 2- digit numbers	Read and write numbers to 1000		Prefixes Dis-, mis-, un-	Plan a story about planet		Log onto rockstars and work on your maths recall <a href="https://trockstars.com/">https://trockstars.com/</a>	Astronauts	
Wednesday	3-digit place value	Time to nearest 15 mins		Prefixes Re-, sub-, inter-	Write story		Log onto rockstars and work on your maths recall <a href="https://trockstars.com/">https://trockstars.com/</a>	Apollo 11	Reading comp
Thursday	Ordering 3- digit numbers	Time- 5 minute intervals		Mixture of prefixes	Newspaper report plan (Apollo 11)		Log onto rockstars and work on your maths recall <a href="https://trockstars.com/">https://trockstars.com/</a>	Naming the planets	

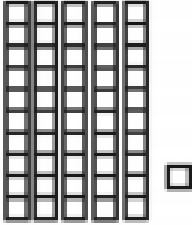
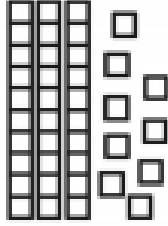
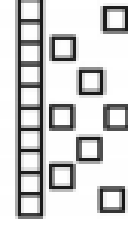
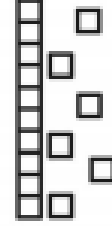
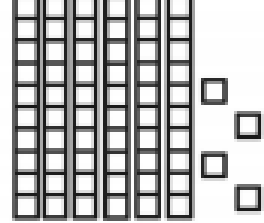
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Friday	Addition	Converting 12 hour to 24 hour time		Prefix and suffix word search	Newspaper report writing		Log onto rockstars and work on your maths recall <a href="https://ttrockstars.com/">https://ttrockstars.com/</a>	Exploring Mars	Reading comp
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Monday- calculation

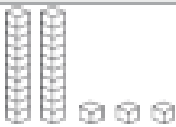
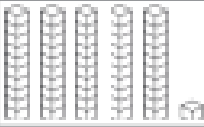
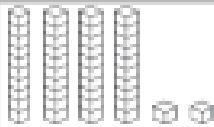
Write how many groups of tens and ones there are.

	_____ tens _____ ones  _____ + _____ = _____
	_____ tens _____ ones  _____ + _____ = _____
	_____ tens _____ ones  _____ + _____ = _____
	_____ tens _____ ones  _____ + _____ = _____
	_____ tens _____ ones  _____ + _____ = _____

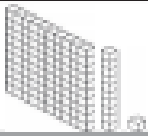
## Monday- maths

### Reading and Writing Numbers to 100 Worksheet

Can you fill out any missing boxes for each of the numbers below? The first one has been done for you to show you what to do.

Numerals	Number in Words	Tens	Ones	Illustration
23	twenty-three	2	3	
17	seventeen			
34				
	fifty-six	5	6	
		5	1	
49				
	eighty three			
				
		7	7	

### Challenge

Numerals	Number in Words	Hundreds	Tens	Ones	Illustration
					

## Monday- spelling


Prefixes- un, mis and dis

# Prefixes dis-, mis-, un-


A **prefix** is added to the beginning of a word to make a new word. Most prefixes are added to the beginning of **root words** without any changes in spelling.

prefix	root word	prefix + root word
dis-	connect	disconnect
mis-	take	mistake
un-	cover	uncover


It is important to understand the definitions of prefixes because they help us figure out the meanings of any new words that we come across.



'not' or 'the opposite of'



'wrong' or 'false'



'not'

Sort these words into the right boxes (some words may fit into more than one box):

able	zip	well
behave	own	appear
happy	take	place

un-	mis-	dis-

## Design and describe your own planet

Imagine you are travelling through space and you discover a new planet.

# Journey into Space

**Descriptive Words**

**How Could Space Explorers Feel?**

amazed, anxious, apprehensive, astounded, awestruck, delighted, delirious, determined, enamoured, fearful, flabbergasted, intimidated, panic-stricken, petrified, sickly, uneasy

**What Might Extraterrestrial Life Be Like?**

advanced, amicable, bizarre, disembodied, exogenous, extrinsic, fantastical, hostile, humanoid, intelligent, malevolent, other-worldly, phantasmal, primitive, sentient, telepathic, unfamiliar

**How Might a Spaceship Move?**

ascend, descend, forge, gravitationally, lightspeed, meander, weave, zip

**How Could the Universe Be Described?**

alternative, boundless, chaotic, cosmic, expansive, fantastic, harmonious, hostile, incomprehensible, infinite, limitless, mysterious, observable, orderly, parallel, phenomenal, starry, vast

**What Might a Planet Be Like?**



airless, arid, crowded, desolate, dimpled, distant, doomed, fiery, frozen, gaseous, habitable, hostile, inhabited, lifeless, mountainous, orbiting, plundered, revolving, rocky, spinning, unexplored

**What Could a Spaceship Be like Inside?**

cramped, derelict, electronic, futuristic, gigantic, manned, modular, strange, unmanned

**What Might Clothing Be Like?**

armoured, bulky, cumbersome, custom, heavy, insulated, lightweight, pressurised, protective, sealed, special, thermal, ventilated, white



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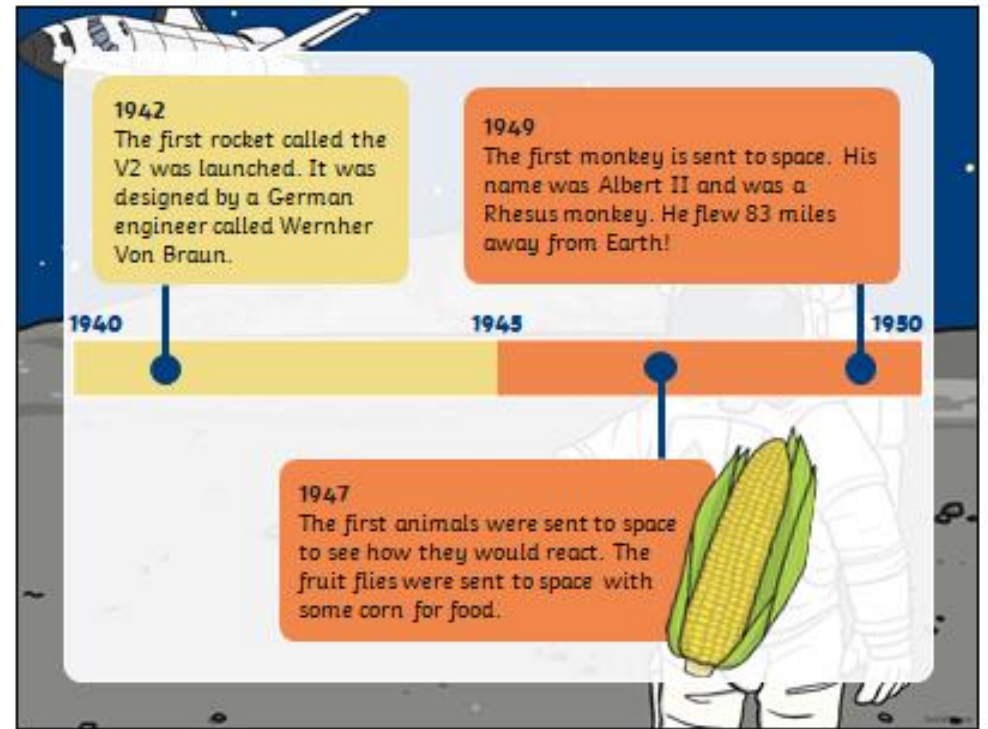
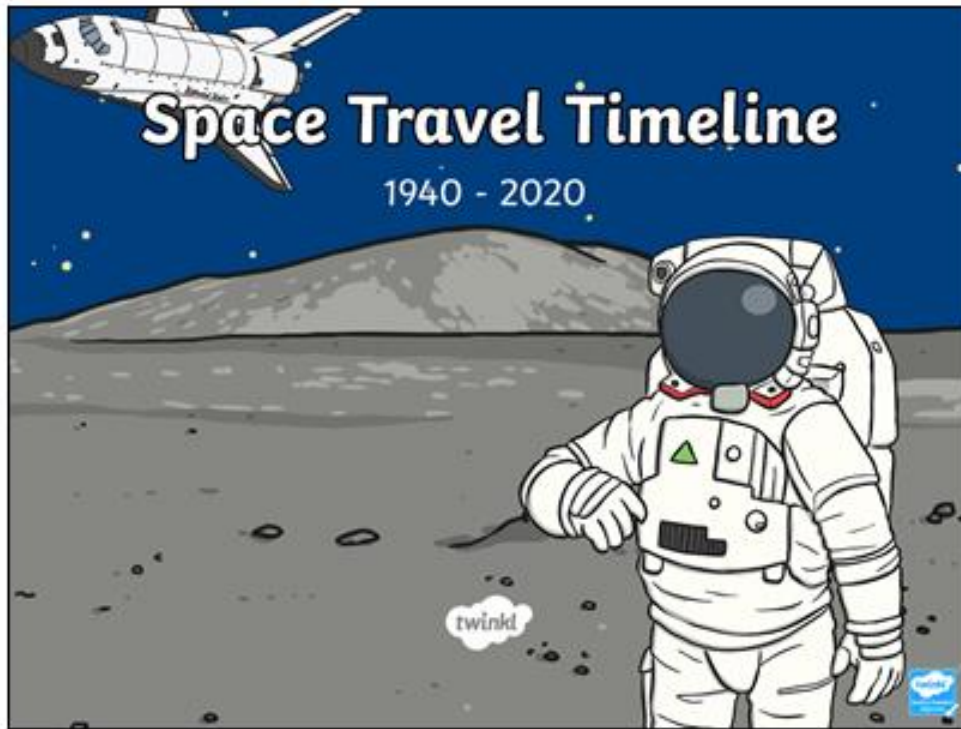
Draw and label your planet below. Think about the following things

Now describe your journey! Make sure you include the following:

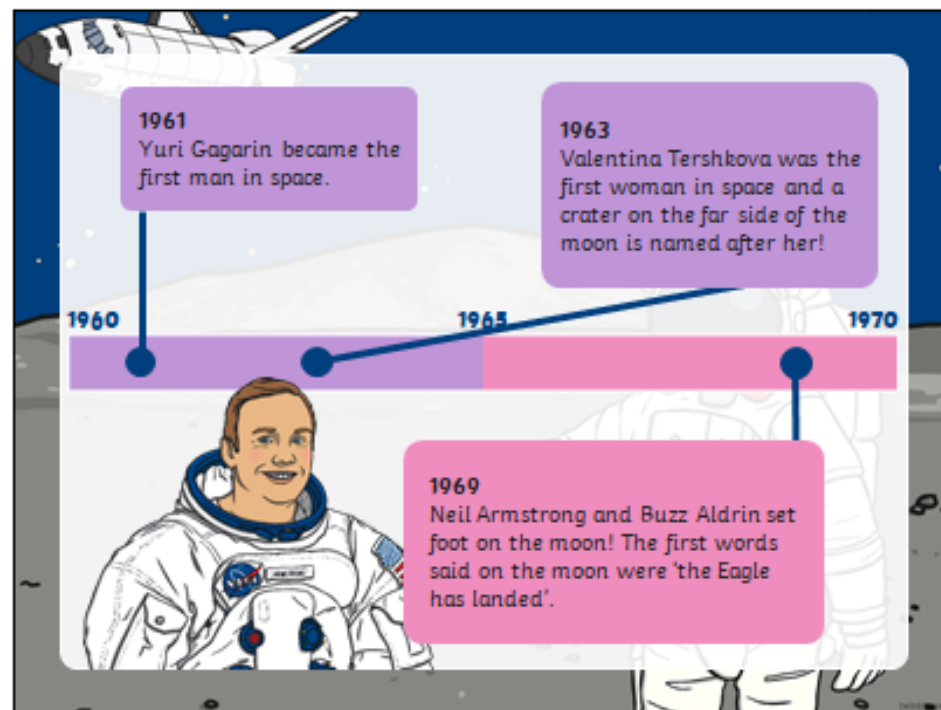
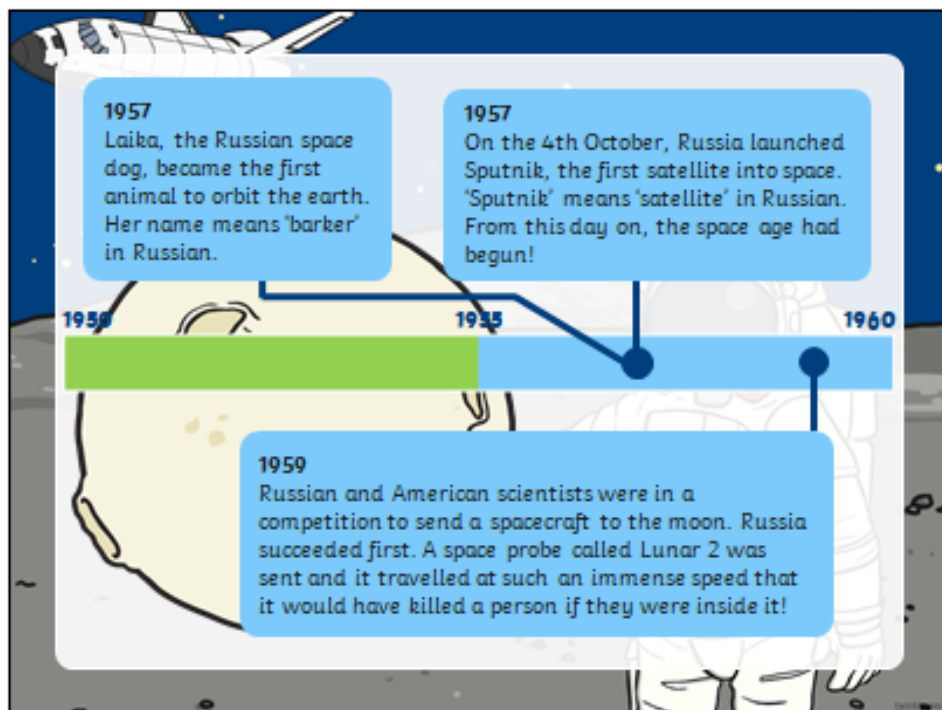
- Correct punctuation (including capital letters, full stops)
- Full sentences
- Adjectives
- Use your senses (describe what you can see, hear and smell as you travel around)

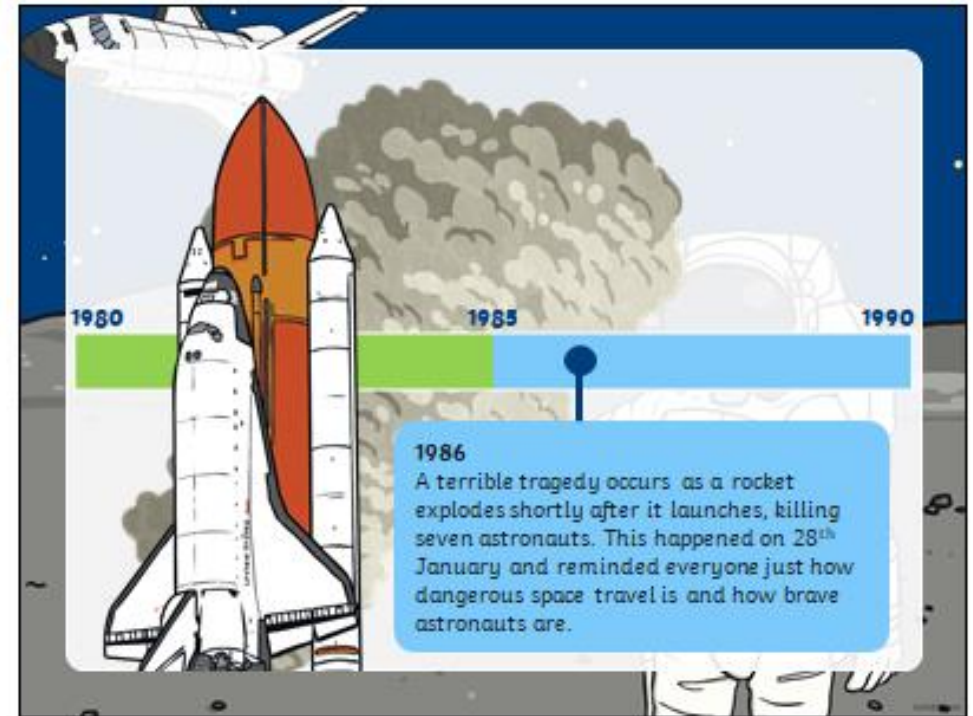
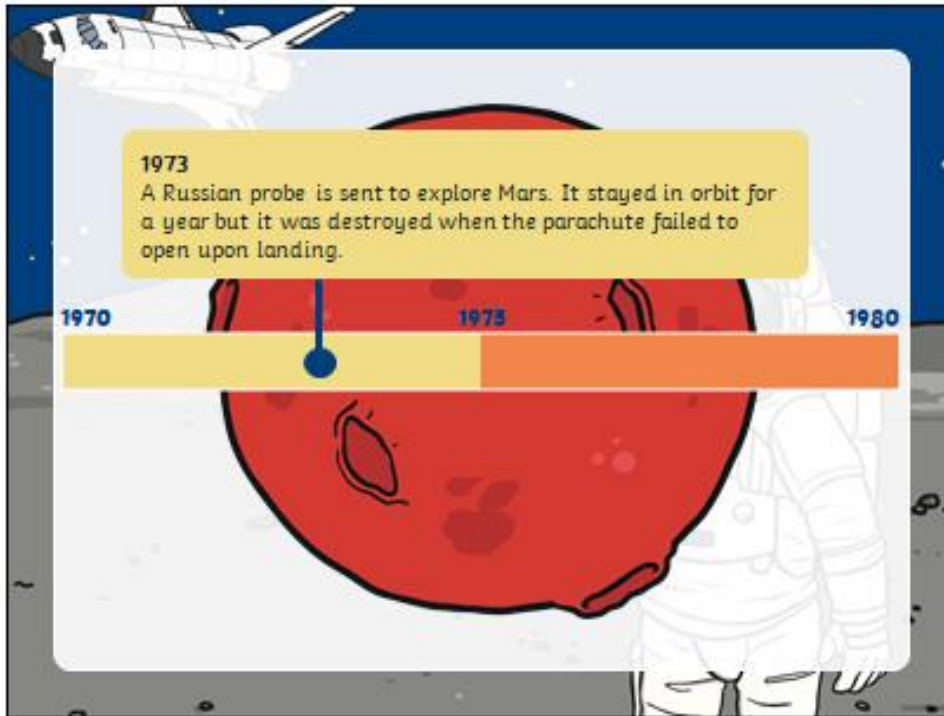
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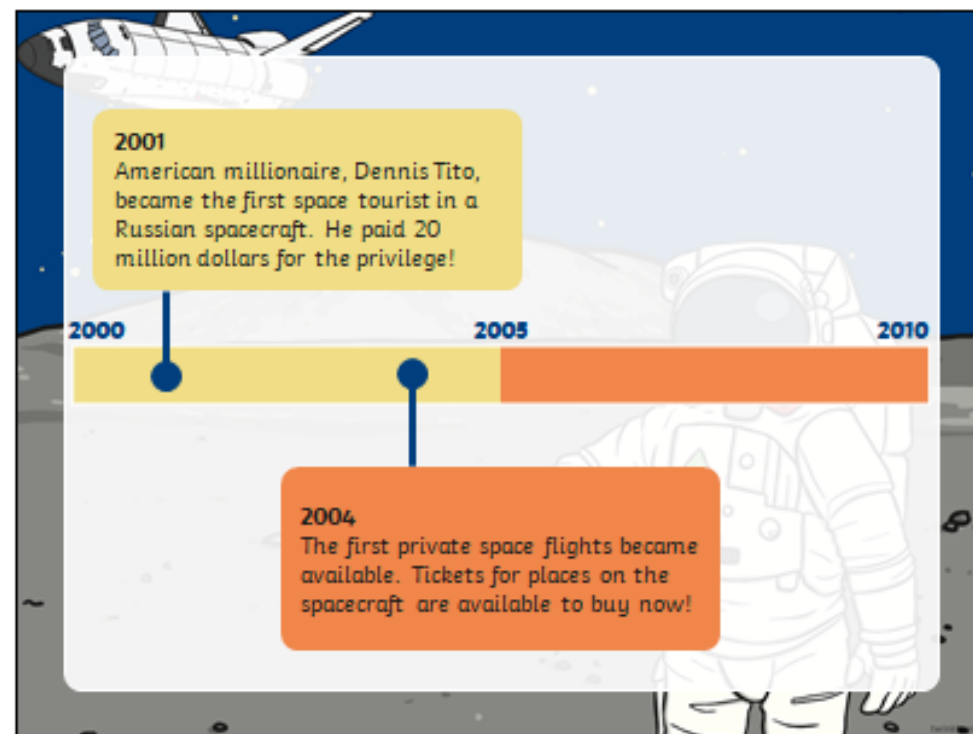
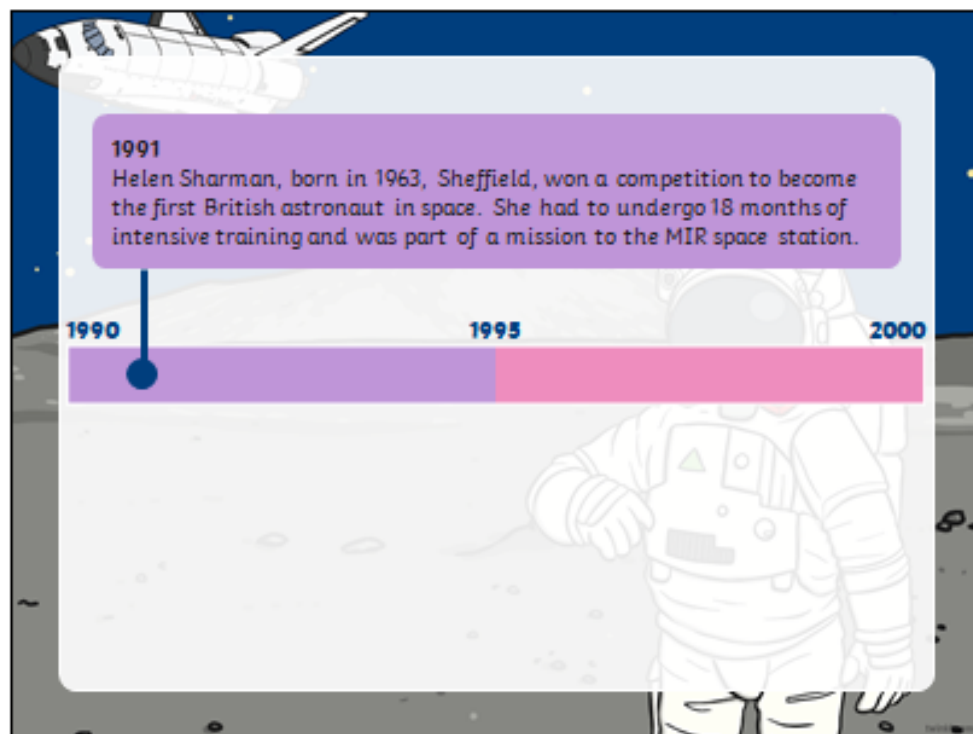
## Monday- topic

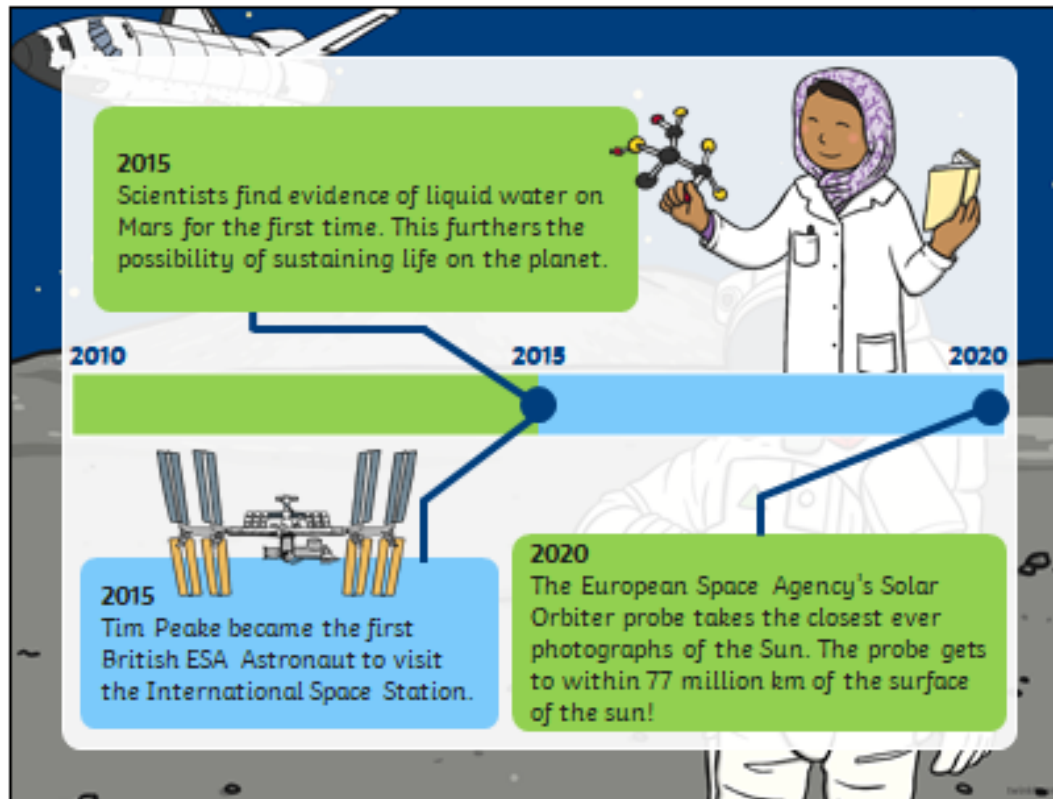












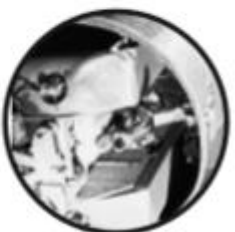
Cut and stick the following events onto the timeline below.

**1942**



The first rocket called the V2 is launched.

**1957**



Laika the dog is sent to space.

**1961**



Yuri Gagarin is the first man in space.

**1963**



Valentina Tereshkova is the first woman in space.

**1969**



Neil Armstrong and Buzz Aldrin land on the moon.

**1991**



Helen Sharman becomes the first British astronaut in space.

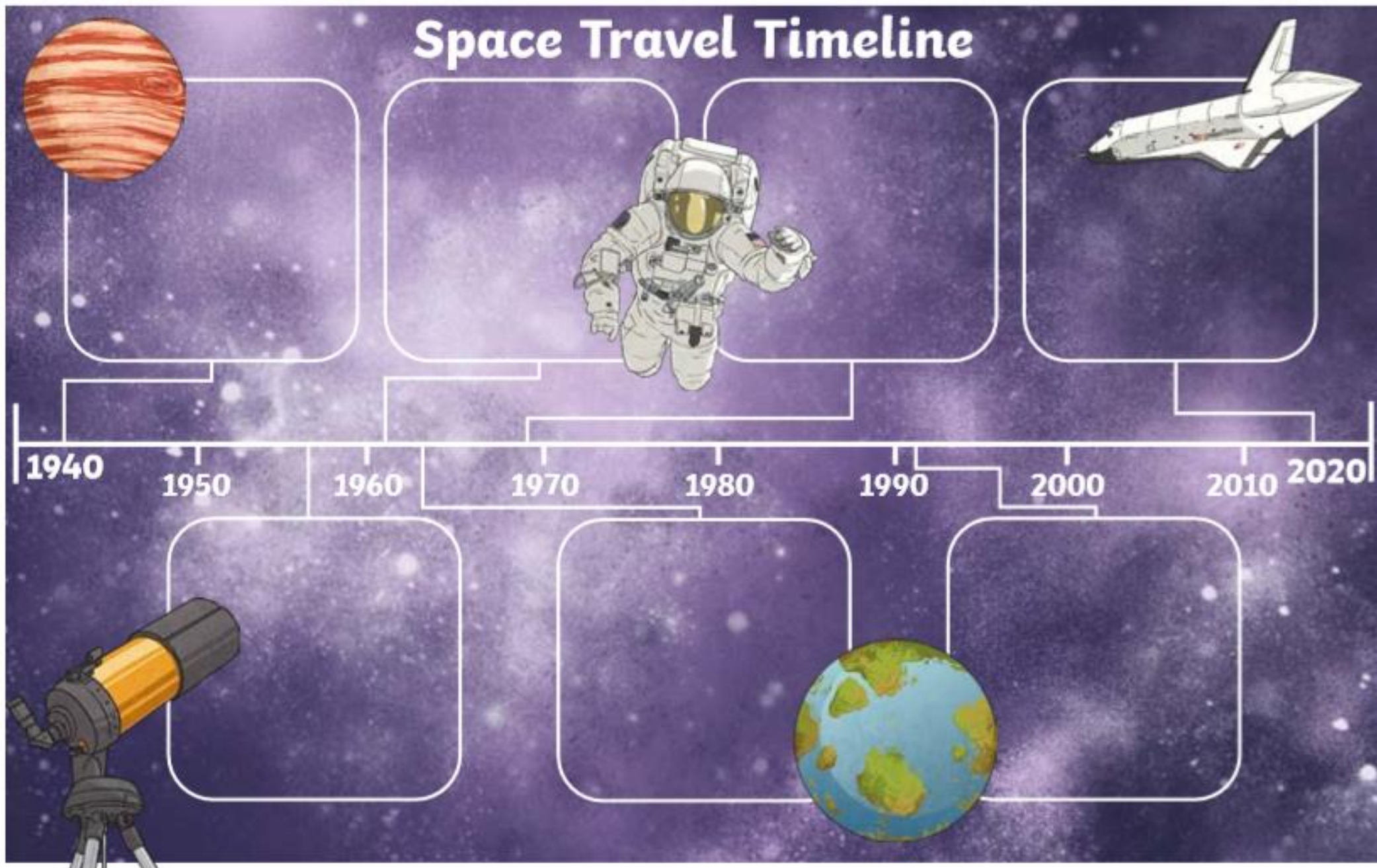
**2015**



Tim Peake becomes the first British ESA Astronaut to visit the International Space Station.



# Space Travel Timeline



## First Man on the Moon

Neil Armstrong was an American astronaut who was famous for being the first person to walk on the Moon.

### His Early Life

Neil Armstrong was born on 5<sup>th</sup> August 1930, in the USA. His passion for flying began at a young age. When he was two years old, his parents took him to Cleveland Air Race which was where he saw his first ever aircraft. At the age of six, Neil was taken by his dad for a ride in an aeroplane. He worked hard to achieve his dream of being a pilot: Armstrong was only 16 years old when he received his first pilot's licence, before he could even drive a car!

### Fun Facts

- He was a keen Boy Scout.
- He suffered from travel sickness as a child, but was fine in space!

In September 1962, Neil Armstrong was accepted to the NASA astronaut corps, where he knew he might one day go in to space. Amazingly, during his career he flew over two hundred different aircraft!

### The Moon Landing

Finally, everything was ready! On 16<sup>th</sup> July 1969, at 13.32, Neil Armstrong and his crew mates Edwin (Buzz) Aldrin and Michael Collins blasted off into space.

Neil Armstrong became the first man to walk on the Moon on 20<sup>th</sup> July 1969. It was shown all across the world on television. It is estimated that 600 million people watched the astronauts make history.





## First Man on the Moon

During their moonwalk, Armstrong and Aldrin planted the flag of the United States of America. They also spent time collecting moon rocks from the surface. The astronauts returned home to Earth on 24<sup>th</sup> July 1969.

### Later Life

After he had returned home, Armstrong retired from being an astronaut. However, his enthusiasm for space and aircraft continued and he became a professor in order to share his passion.

### Famous Words

Neil Armstrong died on 25<sup>th</sup> August 2012 at the age of 82. He will always be remembered for his famous words: "That's one small step for man, one giant leap for mankind."

### Did You Know...?

There is no wind on the Moon so the astronauts' footprints will still be there right now, nearly fifty years later!





# Questions

1. Who was Neil Armstrong? Tick one.

- ☐ An American scientist
- ☐ A British pilot
- ☐ The first person to drive a car
- ☐ The first person to walk on the Moon

2. Where was he born? Tick one.

- ☐ In the UK
- ☐ In Cleveland
- ☐ In France
- ☐ In the USA

3. Number the events below from 1 to 4 to show the order in which they happened.

- ☐ He went to Cleveland Air Race.
- ☐ He was born on 5<sup>th</sup> August 1930.
- ☐ He blasted off into space.
- ☐ He was accepted to the NASA astronaut corps.

4. Why did the space mission Apollo 11 take months of practice and preparation? Tick one.

- ☐ NASA had to check that everything was safe.
- ☐ Armstrong was suffering from travel sickness.
- ☐ 600 million people watched.
- ☐ He received his first pilot's licence.

5. Which two activities did Armstrong and Aldrin do during their moonwalk?

1. \_\_\_\_\_

2. \_\_\_\_\_

6. Find and copy a word which shows that Neil Armstrong was no longer an astronaut after returning home.

\_\_\_\_\_

## Tuesday- calculation




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Cut out the cards and order the numbers starting from the smallest to the biggest.

<b>43</b>	<b>6</b>	<b>20</b>	<b>36</b>	<b>50</b>
<b>4</b>	<b>28</b>	<b>40</b>	<b>11</b>	<b>38</b>

## Tuesday- maths



- 1) Match the words to the correct numeral.

four hundred and fifty

two hundred and sixty-six

nine hundred and four

two hundred and sixteen

904

266

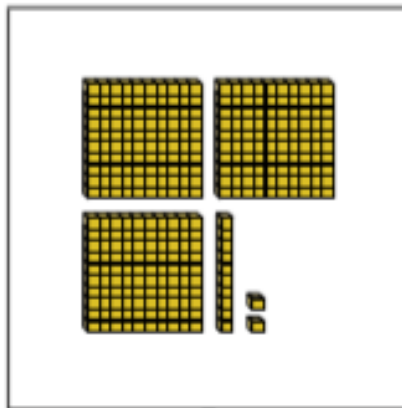
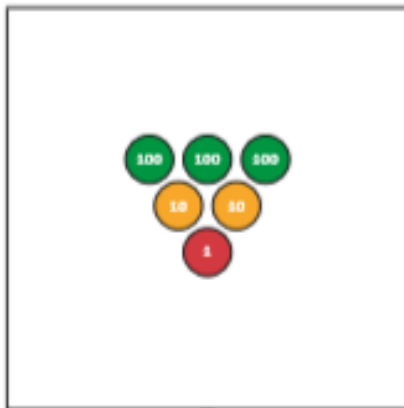
450

216

- 2) Draw counters to show the number six hundred and seventy-nine.

Hundreds	Tens	Ones

- 3) Match up the picture to the number in words. Draw a picture for the number that is left over.



312

three hundred and twenty-two

three hundred and twenty-one

## Tuesday- spelling

1. Can you join the root words to the prefixes that can complete them to make a valid word?

	take	
	act	
Mis-	appear	Re-
	play	De-
Over-	place	
	order	Dis-
	tract	

---

## Tuesday- English

Today you are going to plan to write a story all about your journey into space (the planet you discovered yesterday).

Use this checklist to help.

### Space Story Writing Checklist

Did I include...

a futuristic setting of a place in space?

☐

a main character like an astronaut or alien who has a problem?

☐

adjectives to describe characters and places, e.g. the slimy, green alien; a mysterious, blue planet?

☐

a mysterious ending?

☐

You may want to use a story mountain to plan your story, draw a story map or a story board.

Use this page to plan your story.

Tuesday- topic



# What is an Astronaut?

An astronaut is a person who is trained to travel into space.

To be an astronaut, you need to have lots of training and be very strong.  
Astronauts have to wear special spacesuits.

The spacesuits help them to breathe and protect them from very cold or very hot temperatures.



## Famous Astronauts

Over 500 astronauts have gone on missions into space. Here are some astronauts that are famous for being significant in the history of space travel.

Yuri Gagarin



Valentina Tereshkova



Neil Armstrong



Tim Peake



Mae Jemison



## Yuri Gagarin

Yuri Gagarin is famous for being the first human to travel into outer space and orbit the earth.



Yuri Gagarin was born in 1934 in Russia. On the 12<sup>th</sup> April 1961, he was on board the spaceship **Vostok 1**, which took him into space. This made him the first human to ever go into space! It took him 108 minutes (that's less than 2 hours) to orbit the Earth.

I said 'Poyekhali' when my spacecraft launched. That means 'Let's go!' How do you think I felt?



## Valentina Tereshkova

Valentina Tereshkova is famous for being the first woman to travel into outer space and orbit the earth.



Valentina Tereshkova was born in Russia in 1937. In 1963, she travelled on her own on board the spacecraft **Vostok 6**.

Valentina was the first woman to travel into space. She orbited the Earth 48 times, which was a new world record! Valentina took many pictures of the Earth while she was in space.

On the journey back to Earth, there was a problem with the spacecraft and it nearly crashed! Valentina put all of her training into practice and was able to fix the problem.

Why do you think I took photographs while I was in space?



# Neil Armstrong

Neil Armstrong is famous for being the first man to walk on the moon.



Neil Armstrong was born in 1930 in the United States of America.

On the 20<sup>th</sup> July 1969, Neil Armstrong landed on the Moon. He had travelled there on a spacecraft called **Apollo 11** with two other astronauts - Michael Collins and Buzz Aldrin. Neil Armstrong was the first astronaut to leave the spacecraft and became the first man to walk on the Moon.

Buzz Aldrin also left the spacecraft on that trip. They did important jobs, such as collect samples of moon rocks and complete experiments. They also planted an American flag. They landed back on Earth on the 24<sup>th</sup> July 1969.

When I first stepped onto the Moon,  
I said 'That's one small step for  
man, one giant leap for mankind.'  
What do you think it means?



# Mae Jemison

Mae Jemison is famous for being the first Black woman to travel into space.



Mae Jemison was born in 1956 in the United States of America.

In 1992, she became the first Black woman to travel to space. She was on board a spacecraft called **Endeavour** as a mission specialist.

She was in space for a total of 8 days and orbited the Earth 127 times. While she was on her mission, Mae carried out different scientific experiments.

What science experiment  
would you carry out if  
you went into space?





# Major Tim Peake

Major Tim Peake is a British astronaut, famous for spending 186 days in space.



Major Tim Peake was born in England in 1972. From December 2015, he went on a mission to the **International Space Station** and became the first official British astronaut to walk in space.

Major Tim Peake lived on the International Space Station for around six months. In this time, he performed many interesting scientific experiments.

He was often seen on videos and live calls, showing children and adults what he was doing!

I was in space for 186 days and lived on the International Space Station. Name one thing that you would take with you if you went to space for a long time.



## Which Astronaut Has Inspired You the Most?

Talk to a partner and tell them which astronaut you thought was the most interesting. Can you explain why?

Yuri Gagarin



Valentina Tereshkova



Neil Armstrong



Tim Peake



Mae Jemison

Choose your favourite astronaut.

Draw a picture, able and explain why they are your favourite.

Wednesday- calculation

## Place Value Challenge

Arrange the given digits to make a number that meets the given criteria.

1. Between 161 and 169:

**6, 1, 7**

--	--	--

H      T      O

4. Between 134 and 189:

**5, 4, 1**

--	--	--

H      T      O

7. Between 986 and 1000:

**8, 8, 9**

--	--	--

H      T      O

2. Between 295 and 311:

**9, 2, 9**

--	--	--

H      T      O

5. Between 576 and 601:

**9, 5, 7**

--	--	--

H      T      O

8. Between 784 and 876:

**8, 4, 7**

--	--	--

H      T      O

3. Between 392 and 397:

**5, 3, 9**

--	--	--

H      T      O

6. Between 784 and 812:

**8, 5, 7**

--	--	--

H      T      O

9. Between 578 and 811:

**8, 6, 7**

--	--	--

H      T      O

---

Wednesday- maths

Time to the nearest 15 minutes

Write the time shown on each clock.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



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\_\_\_\_\_



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\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

Draw the time on each clock.



9 o'clock



half past 3



6 o'clock



half past 4



quarter past 2



half past 1



quarter to 11



11 o'clock



half past 2



5 o'clock



quarter past 1



half past 5



quarter to 8



3 o'clock



half past 6



quarter to 1



half past 7



quarter past 8



10 o'clock



half past 12



quarter past 11



quarter to 4



half past 6



2 o'clock



# Prefixes re-, sub-, inter-

A **prefix** is added to the beginning of a word to make a new word. Most prefixes are added to the beginning of **root words** without any changes in spelling.

**re-**



The children were **rebuilding** the sandcastle.



Jack was **rereading** his favourite story.



The sun was **reappearing** from behind the cloud.

**-sub**



A yellow **submarine** was in the sea.



The girl was sunbathing in the **subtropical** heat.



The net would soon be **submerged** in the rock pool.

**-inter**



The lifeguard was an **international** swimmer.



The seagulls were **interacting** with each



Land, sea and air are all **interconnected**.





# Prefixes re-, sub-, inter-

I can add the prefixes re-, sub-, inter- to words to create new words.



1. Fill in the correct prefix to match the root word.

- a) The bottle from the suntan cream is plastic and can be \_\_\_\_\_cycled.
- b) The sandcastle has \_\_\_\_\_national flags on it.
- c) Jack and James will \_\_\_\_\_turn to the big wheel later.
- d) The children drink cold drinks to \_\_\_\_\_hydrate themselves.
- e) It was a very hot \_\_\_\_\_tropical day.
- f) The Whale's head is \_\_\_\_\_merged beneath the water.
- g) The children want to \_\_\_\_\_visit the ice-cream van.
- h) The seagulls keep \_\_\_\_\_appearing from behind the rocks.



## Wednesday- English

Use your plan from yesterday to write your story about the Journey to space.

Use this checklist to help you.

### Space Story Writing Checklist

Did I include...

a futuristic setting of a place in space?

☐

a main character like an astronaut or alien who has a problem?

☐

adjectives to describe characters and places, e.g. the slimy, green alien; a mysterious, blue planet?

☐

a mysterious ending?

☐

Remember to also include

- Correct punctuation
- Description (of the setting and main character)
  - A problem
  - A solution



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



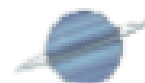
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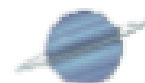
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\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



Wednesday- topic

# The Apollo 11 Moon Landing



On the morning of July 16<sup>th</sup> 1969, the United States of America got ready to launch its **Saturn V rocket** from launch pad 39A at Cape Kennedy, Florida, USA.



Photo courtesy of kelliwhitman (@Piscescom) - granted under creative commons licence - attribution

Saturn 5 was the largest rocket ever built. It was **111 metres** high, that's taller than the Statue of Liberty and taller than many tower blocks. It weighed **2.9 million kilograms (2 900 000 kg)** when it was full of fuel.



Photo courtesy of kelliwhitman (@Piscescom) - granted under creative commons licence - attribution

Saturn V had 5 gigantic F1 engines to launch it into space.

Even more engines were used later on in its journey.

Here is just one of the five F1 engines. They really were massive!



Three astronauts were on board Saturn V: **Neil Armstrong, Michael Collins and Edwin "Buzz" Aldrin**. The astronauts had to go through lots of training to move around in their bulky spacesuits, and test all the spacecraft's equipment.



Astronaut Michael Collins during a practice for the Apollo 11 mission.



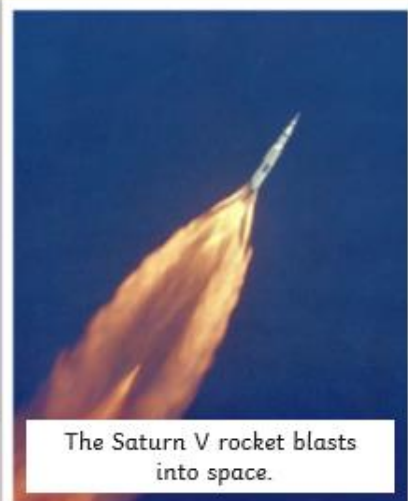
Astronaut Buzz Aldrin inspecting the Saturn V rocket.

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On launch day, Collins, Armstrong and Aldrin sat at the very top of Saturn V in the command module. At 9:32am Saturn V's engines fired and the rocket launched off from its tower. Twelve minutes later, the astronauts were orbiting Earth.



The moment when Saturn V's F1 engines fired, launching it from its tower.



The Saturn V rocket blasts into space.

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The Apollo 11 crew took 4 days to reach the Moon.  
Once they were orbiting the Moon, Armstrong and Aldrin climbed into the  
Eagle Lunar Module and landed on the Moon.  
Collins stayed in the Columbia Command Module.

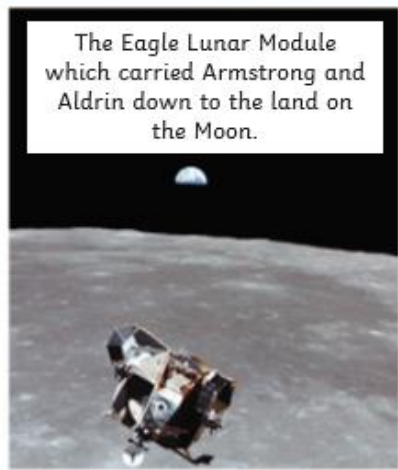


Photo courtesy of NASA and Charles Atkinson, jlg (@flickr.com) - granted under creative commons licence - attribution

On July 20, 1969, Neil Armstrong became the first human to step on the moon. He and Aldrin walked around for three hours. They did experiments. They picked up bits of moon dirt and rocks. They put a U.S. flag on the moon. They also left a sign on the moon.



Photo courtesy of Purplealag (@flickr.com) - granted under creative commons licence - attribution



After 22 hours on the Moon, Armstrong and Aldrin returned to the command module using Eagle. The Apollo 11 crew returned to Earth and landed in the Pacific Ocean on 24<sup>th</sup> July. The module had a special heat shield which stopped it from burning up as it travelled through the Earth's atmosphere.



The Columbia Command Module has a custom made flotation collar to help it float when it landed in the Pacific Ocean.

Photo courtesy of [Bert Roelofs \(@flickr.com\)](#) - granted under creative commons licence - attribution

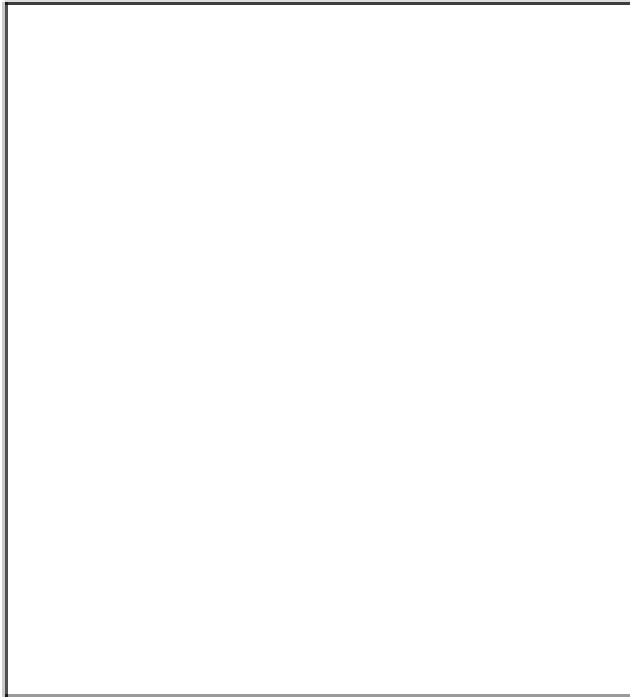
The Apollo 11 Moon landing was the most watched event in the history of television, nearly **600 million people** watched. Across the USA people held Moon parties, recorded their thoughts in letters and took family photos. Nobody was going to forget the day that man first walked on the Moon.



Photo courtesy of NASA and [Osborne \(@flickr.com\)](#) - granted under creative commons licence - attribution

Now complete this activity about a significant individual.

## Neil Armstrong



Date of birth: \_\_\_\_\_

Birthplace: \_\_\_\_\_

Date of death: \_\_\_\_\_

He is known for: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**His life:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Interesting Facts:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Tim Peake

### Who Is Tim Peake?

Timothy Nigel 'Tim' Peake is a British astronaut who was born in Chichester, West Sussex, England, on 7<sup>th</sup> April 1972.

### Tim's Childhood

Tim grew up in a village with his older sister, mother and father. At an early age, Tim was fascinated with flying because his father took him to air shows.

He went to school at the Chichester High School for Boys.

### After Tim Left School

- In 1990, Tim went to the Royal Military Academy Sandhurst.
- He trained to be a pilot and worked for 18 years for the army.
- In 2008, Tim applied to become an astronaut.
- In 2009, Tim began his astronaut training at the European Astronaut Corps.

### Blast Off!

In December 2015, Tim Peake launched alongside two other astronauts. Tim reached his destination on the same day.

He spent six months living in space. During that time, he completed a spacewalk, which means he left the space station to complete jobs outside in space. This was watched by millions of people on Earth with excitement.

### Home Again

Tim returned to Earth in June 2016, landing in Kazakhstan. During his mission, Tim made 3000 orbits of the Earth.

It took two months for Tim's body to recover from the effects of zero gravity.



### Did You Know?

- Tim's first meal on board the ISS was a bacon sandwich and cup of tea.
- While in space, Tim travelled about 125 million km.
- Tim was the first British astronaut to complete a spacewalk.
- During Tim's return to Earth, he travelled at 25 times the speed of sound.

# Questions

1. On which date was Tim Peake born? Tick one.

- ☐ 15<sup>th</sup> December 2015
- ☐ 7<sup>th</sup> April 1972
- ☐ 18<sup>th</sup> June 2016
- ☐ 7<sup>th</sup> April 1990

2. Which school did Tim attend? Tick one.

- ☐ Sussex Boys School
- ☐ Royal Military Academy Sandhurst
- ☐ European Astronaut Corps
- ☐ Chichester High School for Boys

3. How many years did Tim work for the army? Tick one.

- ☐ 16
- ☐ 17
- ☐ 18
- ☐ 19

4. Where did Tim land when he returned from space? Tick one.

- ☐ Russia
- ☐ England
- ☐ Kazakhstan
- ☐ Britain

5. Fill in the missing words in this sentence:

At an early age, Tim was \_\_\_\_\_ because  
his father took him to air shows.

6. How long did Tim spend in space?

---

7. Why do you think that people watched Tim's spacewalk with excitement?

---

---

---

## Thursday- calculation

Write the numbers in order to reveal the answer to the joke.

1) What do you call a boomerang that doesn't work? \_\_\_\_\_

Number						
Letter						

smallest

largest

183	528	293	382	574	148
S	C	T	I	K	A

2) What do you call a fake needle? \_\_\_\_\_

Number							
Letter							

smallest

largest

473	238	584	394	401	587	823
A	I	S	M	P	T	A

3) What has lots of keys but cannot open doors? \_\_\_\_\_

Number						
Letter						

largest

smallest

874	832	746	723	843	713
A	I	A	N	P	O

# Thursday- maths

Write the time shown on each clock.



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



Draw the time on each clock.



9 o'clock



half past 3



10 to 5



25 past 4



quarter past 2



half past 12



20 to 11



3 o'clock



half past 9



25 to 5



quarter to 1



10 to 7



quarter to 8



10 o'clock



half past 6



25 to 1



half past 7



quarter past 8



20 to 10



20 past 12



25 past 11



10 to 4



half past 6



2 o'clock

---

Thursday- spelling

# Prefixes

Prefixes go at the beginning of words. This changes the meaning of the word.

prefix	meaning	example	Write down 3 more examples of words with this prefix
re	to do again	<u>r</u> eturn	
bi	two	<u>b</u> icycle	
dis	not	<u>d</u> islike	
mis	wrong	<u>m</u> isbehave	
pre	before	<u>p</u> rehistoric	
over	too much	<u>o</u> vercook	
un	not	<u>u</u> nhappy	

Thursday- English

An informative PowerPoint  
Pack about newspaper  
report writing

# APOLLO 11 LANDING NEWSPAPER REPORTS



Photo courtesy of pds209, kimbet (@flickr.com)- granted under creative commons licence - attribution


# QUESTION 1

oaklandtribune.com  
Wednesday 3 November 5, 2008  
Volume 124, No. 271  
75 cents plus tax

What is this feature called?

Serving of 154 years



## A new era



BARACK OBAMA gives his acceptance speech at Grant Park in Chicago on Tuesday after becoming the first African-American to be the U.S. president-elect.

- HISTORIC VICTORY CRUMBLES RACIAL BARRIER
- 'WHO STILL WONDERS IF THE DREAM OF OUR FOUNDERS IS ALIVE IN OUR TIME? ... TONIGHT IS YOUR ANSWER.' — OBAMA

Popular Vote  
out of 114 m. Wednesday:  
McCain  
**46.8%**  
Obama  
**51.8%**  
Electoral College:



Hope  
a rallying  
call for  
America

# QUESTION 2

Choose the article with the correct tense for a newspaper report.

**A**

The spacecraft is travelling through space for 3 days until it reaches the moon.

**B**

The spacecraft travelled through space for 3 days until it reached the moon.



## QUESTION 3

What should the opening sentences of a newspaper report include?

**A**

Lots of opinions.

**B**

The reporter's name.

**C**

The important facts  
(who, what, where, when  
and why).

## QUESTION 4

Fill in the missing word.

The first word of the main report should be in \_\_\_\_\_.



Art class: Winner Josh Tabti and runner-up Davida Brenda with Annie Hearne, arts co-ordinator at Sir William Ramsay School

05-161P3

### Prickly pieces win prizes for art students

BUDDING artists at Hazle-  
mere C of E School took to  
their easels with ease during  
a recent competition.

Cacti were the theme dur-

ing a series of art workshops  
organised by Sir William  
Ramsay School in Rose  
Avenue and youngsters bat-  
tled it out last week for a

place in the final.

Annie Hearne, advanced  
skills teacher at visual arts  
college Sir William Ramsay,  
said: "The pupils were set the

task of producing experi-  
mental sketch pads with all  
the techniques they had  
learned in the sessions."

The victors will go on to

face the winners from Wid-  
mer End Combined, Manor  
Farm Community, and  
Tylers Green First schools in  
a grand final.



## QUESTION 5

Fill in the missing word.

This feature is called a \_\_\_\_\_.

“It was amazing. I am very lucky to have been part of such a fantastic and historical event.”

## QUIZ ANSWERS

**QUESTION 1:** headline

**QUESTION 2:** B. Past tense

**QUESTION 3:** C. The important facts

**QUESTION 4:** capital letters

**QUESTION 5:** quote

# ACTIVITY

We are going to write our own newspaper reports to tell people in Great Britain about the Apollo 11 moon landing.

You need to pretend you are a reporter from 1969.

You need to use all the features of a newspaper report in your writing.

You need to tell the people of Great Britain the important facts.



# ACTIVITY

- First, plan your report using the **newspaper report planner**.
- Next, use your **newspaper writing checklist** to make sure you have planned to put all of the newspaper features into your writing.
- Next, write up your newspaper report using your plan.
- Finally, check your work and tick the checklist where you have included a newspaper report feature.

You will complete the first 2 point today.

# Apollo 11 Moon Landing Newspaper Report Planner

My headline: \_\_\_\_\_

Who?	What?
When?	Where?

Quote:

Details that I will include:

## Newspaper Report Texts Checklist



Headline	
Past tense	
First word in capital letters	
Introduction (what, who, when and where?)	
Contains facts	
Contains quotes	
Capital letters and full stops	

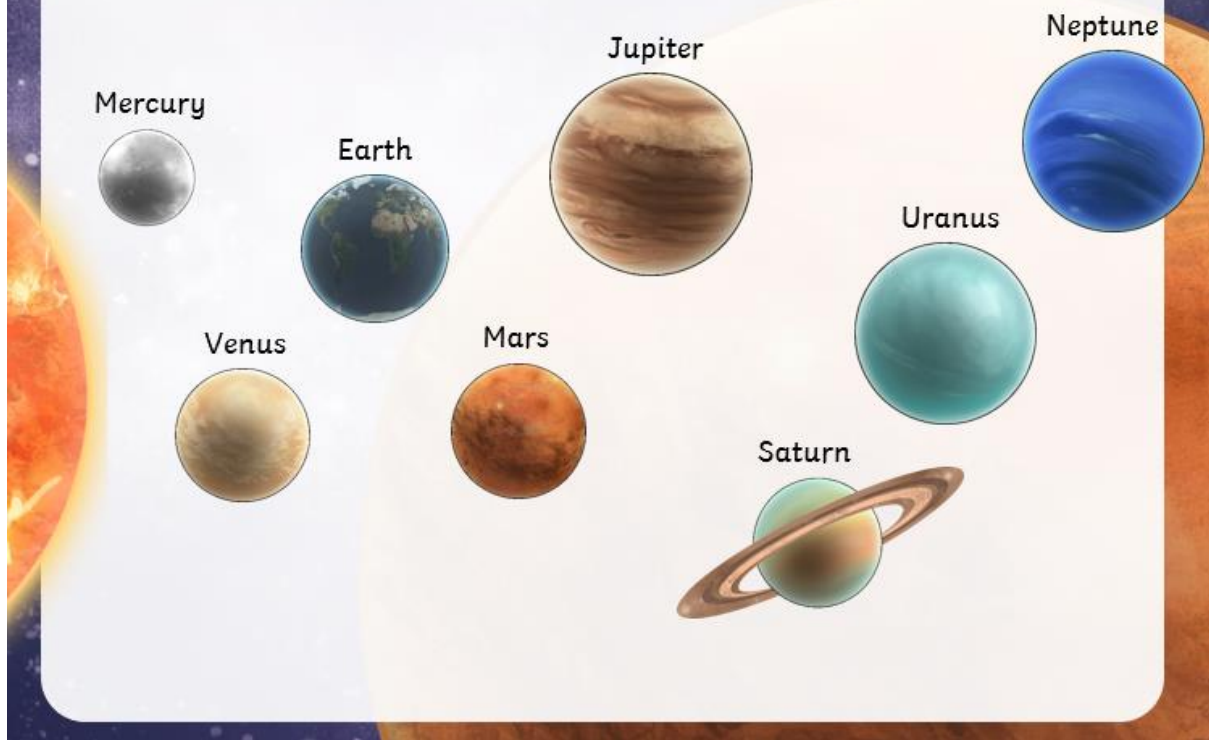
Thursday- topic

# Space and the Solar System



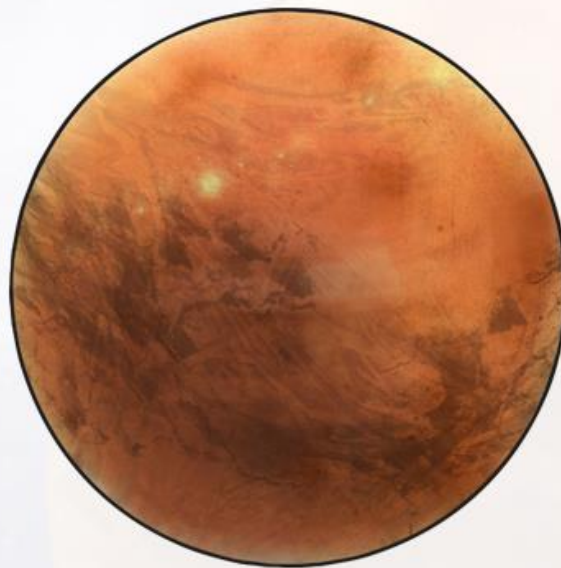


Earth is only one of the planets in our solar system. There are seven other planets that also orbit our Sun.

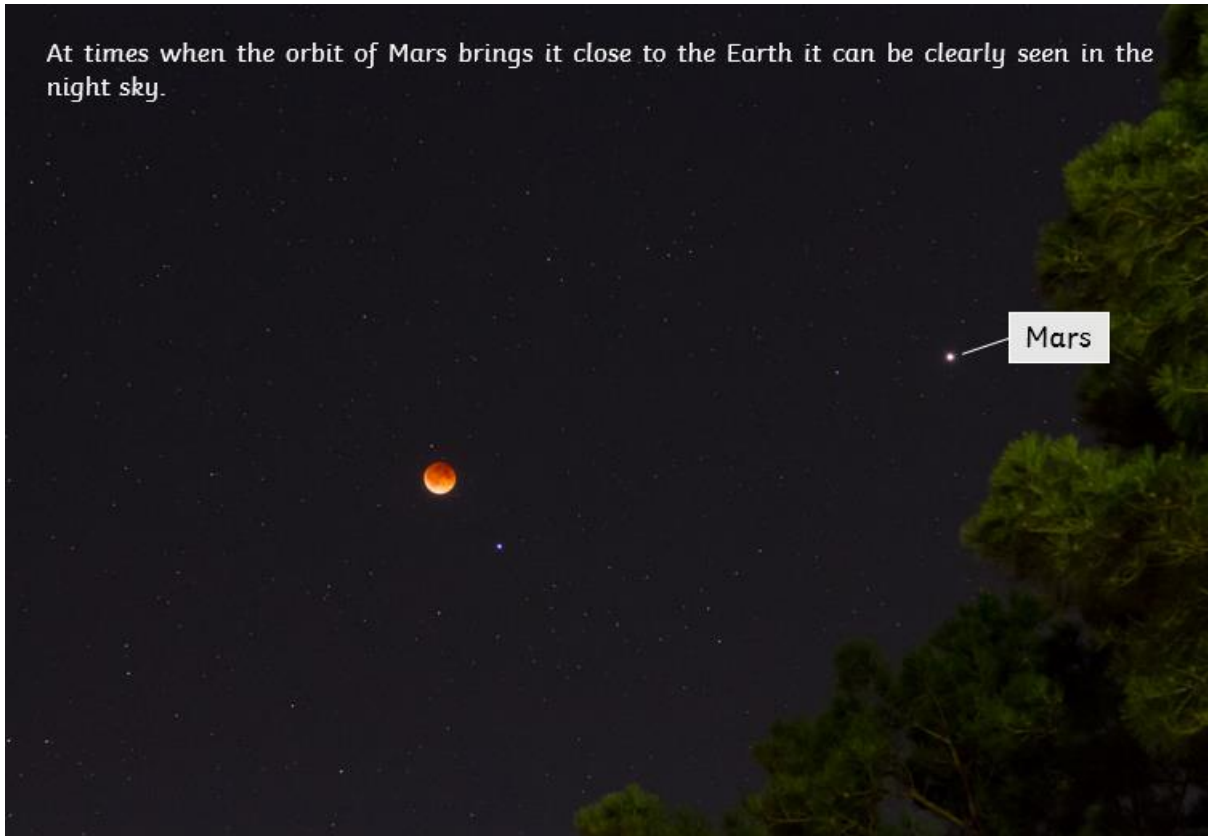


## Neighbours

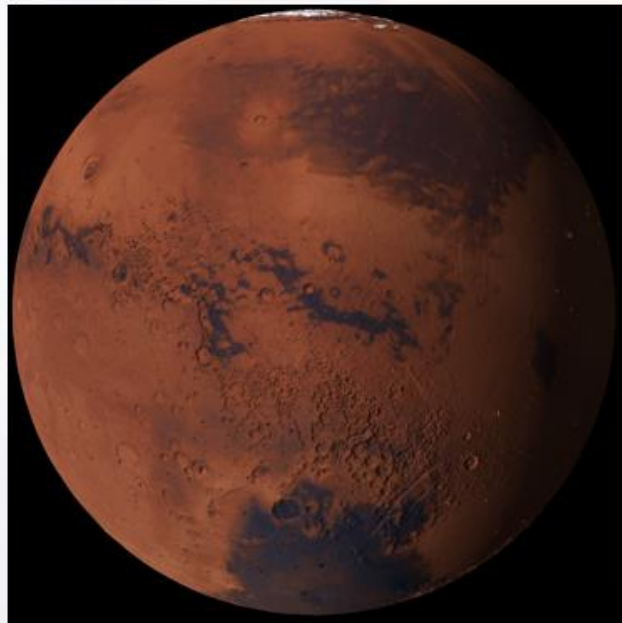
The planet Mars is our neighbour. At some points in our orbit, Mars is only 55 million km away.



At times when the orbit of Mars brings it close to the Earth it can be clearly seen in the night sky.



Mars is sometimes called the Red Planet. This is because most of the surface of Mars is covered in a thick layer of iron oxide dust. This is the same metal as a rusty car! It gives the planet a reddish appearance.



# The Planets

In our Solar System, there are 8 planets.



Can you remember the order of the planets?

**M**ercury, **V**enus, **E**arth, **M**ars, **J**upiter, **S**aturn, **U**ranus, **N**eptune

A mnemonic is a way of remembering something. We can make a sentence out of the first letter of each word in a sequence to help us remember it.

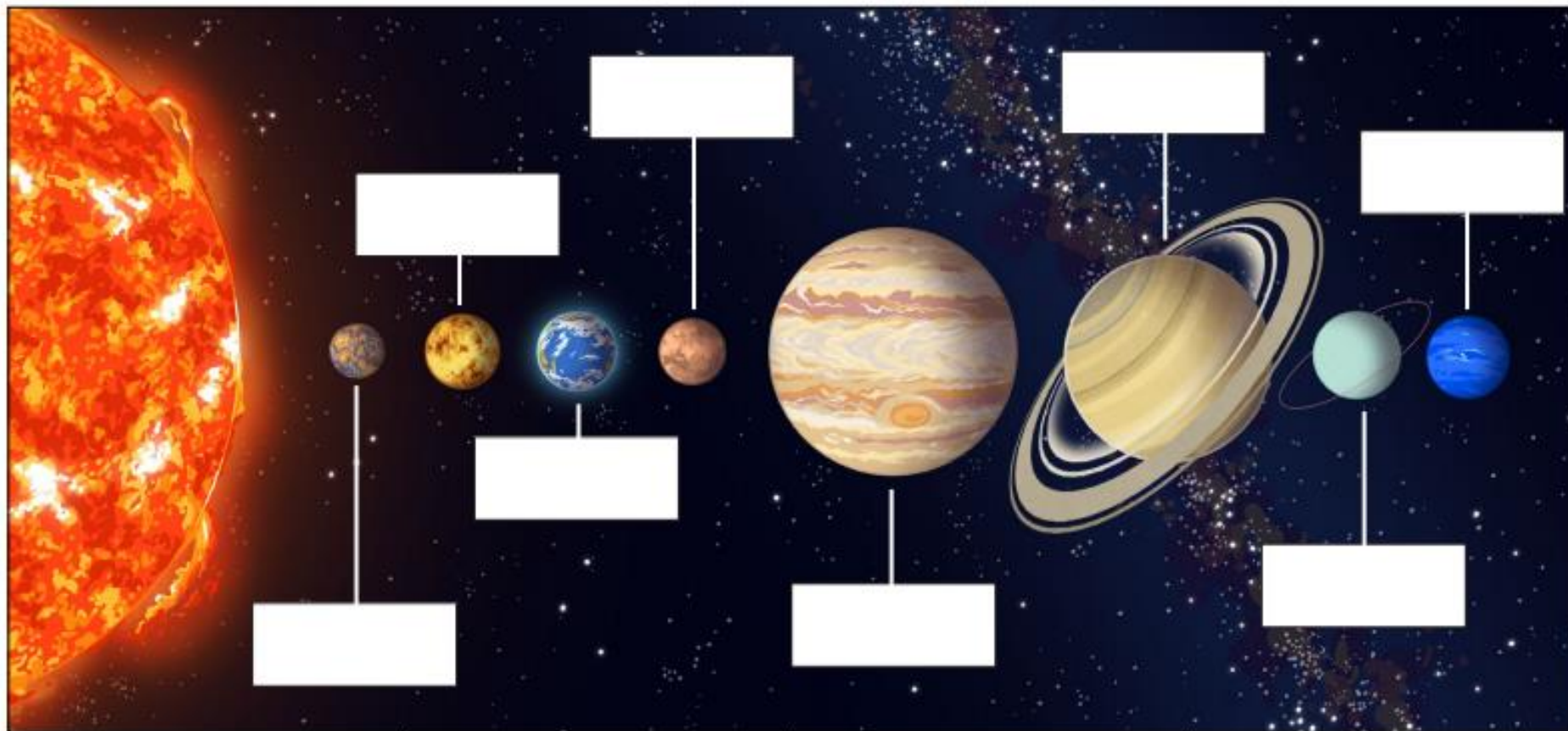
For example, we can remember how to spell 'because' by remembering the mnemonic: **B**ig **E**lephants **C**an **A**lways **U**nderstand **S**mall **E**lephants.

With your partner, create your own **mnemonic** to help you remember the order of the planets.

Label the planets in order below.

# The Solar System

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



Mars	Earth	Neptune	Saturn
Jupiter	Uranus	Mercury	Venus



Friday- calculation

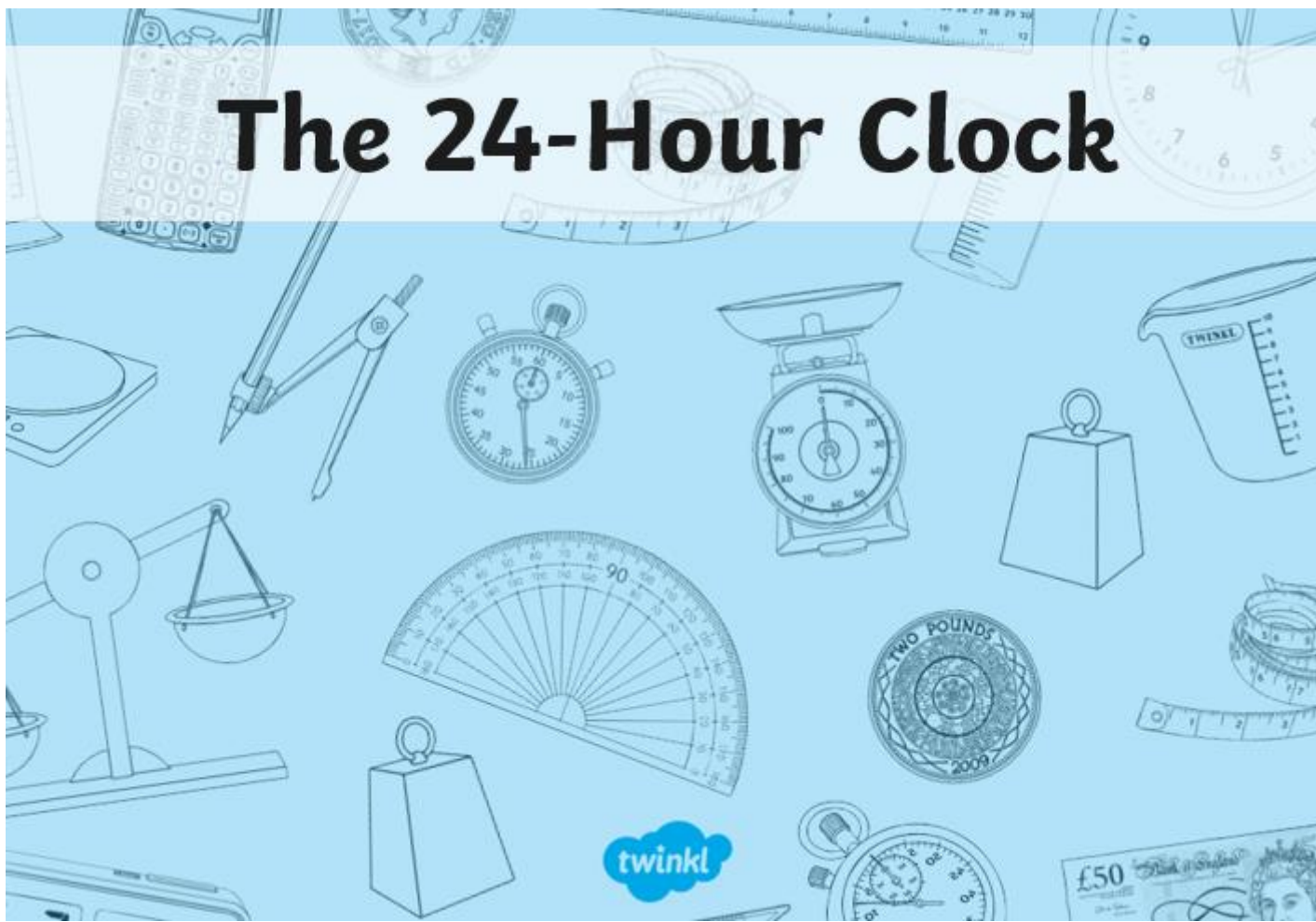
Calculate the answer to the following:

$\begin{array}{r} 273 \\ +514 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 451 \\ +225 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 304 \\ +463 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 615 \\ +172 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 153 \\ +716 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 805 \\ +102 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 572 \\ +213 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 531 \\ +267 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 202 \\ +236 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 370 \\ +116 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 622 \\ +375 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 312 \\ +251 \\ \hline \\ \hline \end{array}$
$\begin{array}{r} 476 \\ +403 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 155 \\ +234 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 371 \\ +628 \\ \hline \\ \hline \end{array}$	



Friday maths

# The 24-Hour Clock



# The 24-Hour Day

A day has 24 hours. A clock has 12 hours.  
This means that every time will happen twice each day.

half past 9 in the morning



half past 9 at night



# The 24-Hour Day

We have a few ways to tell the difference between these two times.  
One way is to use a.m. and p.m.

a.m.  
(ante meridiem – before noon)



9:30 a.m.

p.m.  
(post meridiem – after noon)



9:30 p.m.

# The 24-Hour Day

Another way is to use a 24-hour clock.

A four-digit format is used.  
Two digits for the hour, a colon (:) and two digits for the minutes.



9:30



21:30

# The 24-Hour Day

This clock and table show the corresponding hours on a 24-hour clock.



Midnight can be referred to as either 00:00 or 24:00

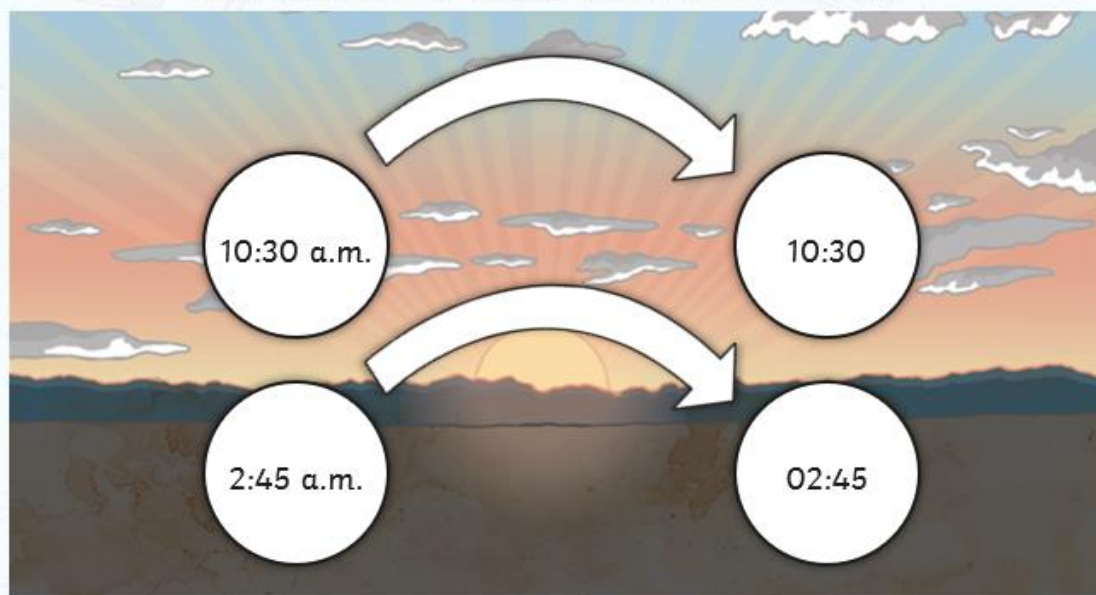
0:00 = 12:00 a.m.	12:00 = 12:00 p.m.
1:00 = 1:00 a.m.	13:00 = 1:00 p.m.
2:00 = 2:00 a.m.	14:00 = 2:00 p.m.
3:00 = 3:00 a.m.	15:00 = 3:00 p.m.
4:00 = 4:00 a.m.	16:00 = 4:00 p.m.
5:00 = 5:00 a.m.	17:00 = 5:00 p.m.
6:00 = 6:00 a.m.	18:00 = 6:00 p.m.
7:00 = 7:00 a.m.	19:00 = 7:00 p.m.
8:00 = 8:00 a.m.	20:00 = 8:00 p.m.
9:00 = 9:00 a.m.	21:00 = 9:00 p.m.
10:00 = 10:00 a.m.	22:00 = 10:00 p.m.
11:00 = 11:00 a.m.	23:00 = 11:00 p.m.
12:00 = 12:00 a.m.	24:00 = 12:00 p.m.



## Changing 12-Hour Times to 24-Hour Times



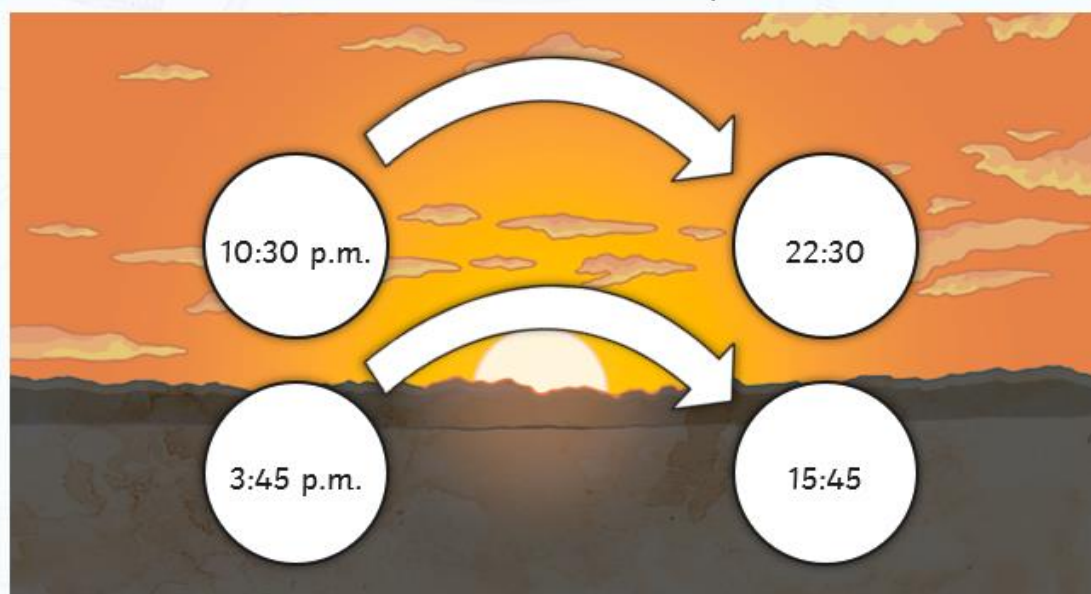
To change 12-hour a.m. times to 24-hour times, make sure the time is in a four-digit format. You do not need to write 'a.m.'



## Changing 12-Hour Times to 24-Hour Times



To change 12-hour p.m. times to 24-hour times, add 12 to the hour time. You do not need to write 'p.m.'



Now have a go...

- 1) Complete the chart, changing 12-hour a.m. digital times into 24-hour times.

12-Hour Time	24-Hour Time
1:00 a.m.	
2:00 a.m.	
3:00 a.m.	
4:00 a.m.	
5:00 a.m.	
6:00 a.m.	
7:00 a.m.	
8:00 a.m.	
9:00 a.m.	
10:00 a.m.	
11:00 a.m.	

- 2) Complete the chart, changing 12-hour p.m. digital times into 24-hour times.

12-Hour Time	24-Hour Time
12:00 p.m.	
1:00 p.m.	
2:00 p.m.	
3:00 p.m.	
4:00 p.m.	
5:00 p.m.	
6:00 p.m.	
7:00 p.m.	
8:00 p.m.	
9:00 p.m.	
10:00 p.m.	
11:00 p.m.	





3) Complete this table, filling in the missing times.

24-Hour Time	12-Hour Time
03:15	
	4:00 p.m.
	7:30 a.m.
18:45	
14:30	
	5:30 a.m.
	10:45 p.m.
17:30	
09:15	
	6:30 a.m.
22:30	

In each pair, tick the time which comes earliest in the day. The first one is done for you.

3:15 p.m.	<input type="radio"/>	11:30	<input checked="" type="radio"/>
04:15	<input type="radio"/>	4:30 a.m.	<input type="radio"/>
13:15	<input type="radio"/>	1:00 p.m.	<input type="radio"/>
8:20 p.m.	<input type="radio"/>	09:15	<input type="radio"/>
11:30 a.m.	<input type="radio"/>	23:30	<input type="radio"/>
14:30	<input type="radio"/>	2:15 p.m.	<input type="radio"/>

## Prefix and Suffix

n m h k a e m i s u s e  
g i m c f d i b v x s q  
m s i l d i s a b l e d  
i p s k h j t m n u m i  
s l t m z r r w o i i s  
b a r i i b e n d f s a  
e c e s r s a t y u p b  
h e a s m p t o g h l l  
a d t p x a e r w i a e  
v v k e l o d u u q c d  
e h g l e b a h k s e a  
c f y l q p c r l b t x

disable  
mistreat  
disabled  
mistreated

misuse  
misbehave  
misplace  
mistrust

misplaced  
misspell

## ACTIVITY




- First, plan your report using the **newspaper report planner**.
- Next, use your **newspaper writing checklist** to make sure you have planned to put all of the newspaper features into your writing.
- Next, write up your newspaper report using your plan.
- Finally, check your work and tick the checklist where you have included a newspaper report feature.

Today you will complete the last two points.

Use your plan from yesterday, the word bank and template to help you.

### APOLLO 11 MOON LANDING

Word Mat



orbit

spacesuit

Michael Collins

Saturn V

Neil Armstrong

Edwin "Buzz" Aldrin

Astronauts

Astronauts

Pacific Ocean

Cape Kennedy, Florida

Columbia Command Module

Eagle Lunar Module

twinkl

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[illegible]

Friday- topic



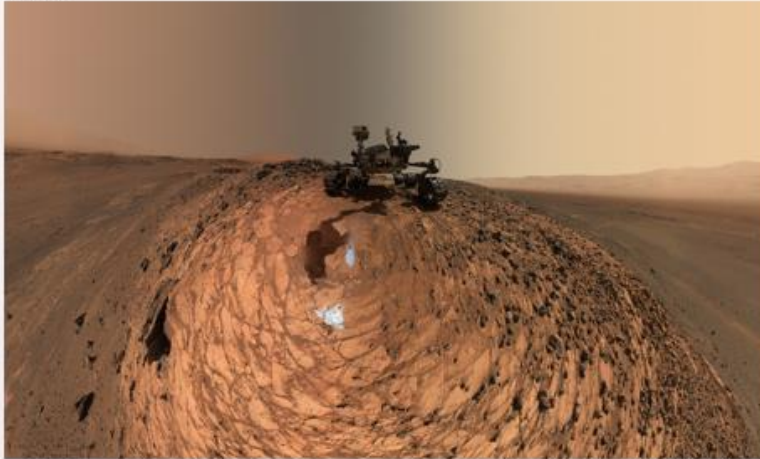


# Exploring

Since 1960, the United States Space Agency NASA and Space Agencies in the USSR, China and India have attempted to send 43 spacecraft to gather data about Mars.

23 of these have either failed to reach Mars or failed to return any information.

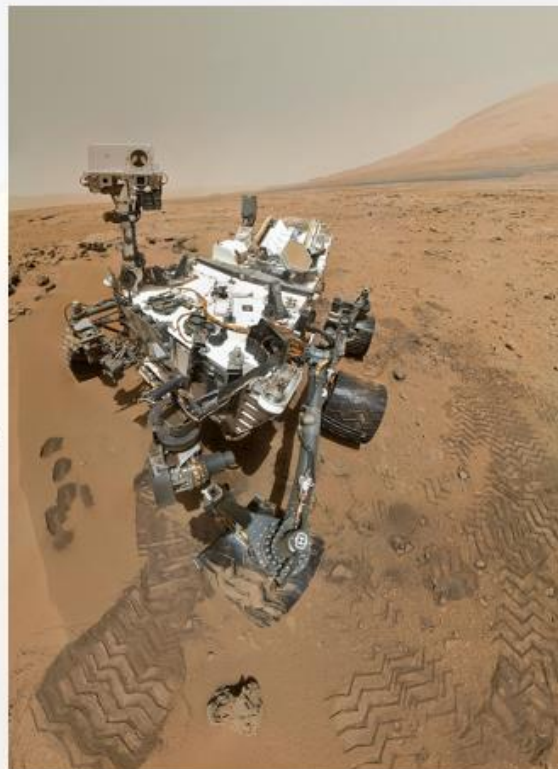
20 spacecraft have been successful at sending photographs and other data back to Earth.



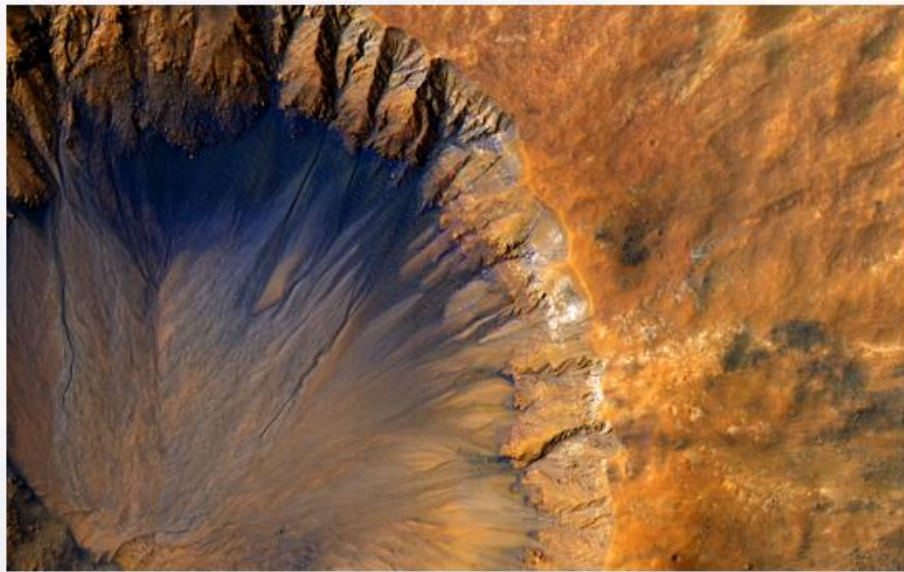
One of NASA's Mars rovers collecting a drilled rock sample.

Currently there are seven spacecraft in operation collecting data from Mars.

There are five orbiters circling the planet, and two space rovers on the surface.



Photographs taken by the Mars Reconnaissance Orbiter:

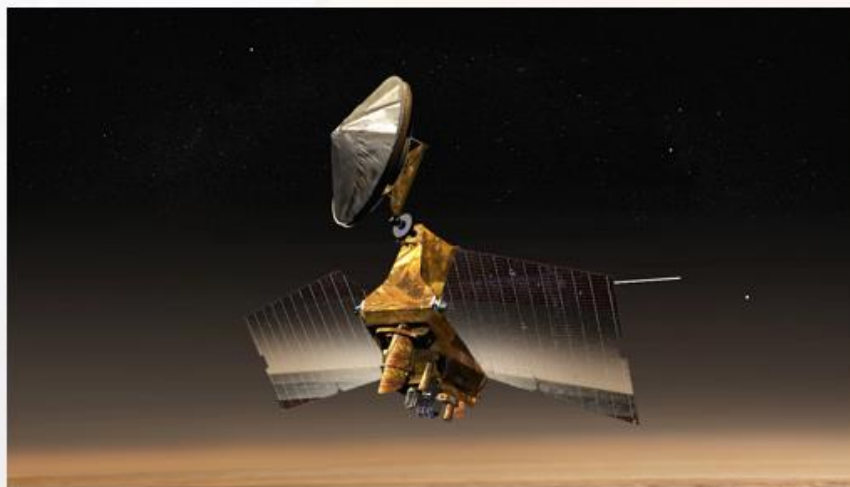


A crater on Mars.

On 28th September 2015, scientists from NASA released a statement saying that the Mars Reconnaissance Orbiter (pictured below) has found proof that there is flowing water on the surface of Mars.

This is very important news because, as far as we know, all forms of life need water to survive.

This makes the possibility of finding life on Mars much more likely.

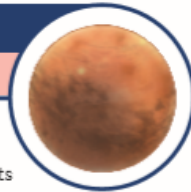


# Planet Postcard

Imagine that you have taken a much-needed holiday to another planet. Using the **Planet Fact Cards**, write a postcard back to your family or friends on Earth describing the planet and the activities that you took part in. Try to use as many facts as you can about your chosen planet.



## Facts about Mars



1. Mars is the fourth planet from the Sun.
2. Mars is known as the 'Red Planet' because of its distinctive red colour.
3. One year on Mars is longer than an Earth year. It lasts 687 Earth days.
4. Like Earth, Mars has ice caps at its north and south poles.
5. The average temperature on Mars is  $-63^{\circ}\text{C}$ .
6. Diameter: 6800km
7. Distance from the Sun: 230 million km

Using the information, calculate Mars' scaled diameter and distance from the Sun in the boxes below. Round your answers to one decimal place.

Diameter

Scale 1cm:2000km

Distance

Scale 1m:200 million km

twinkl.com

Your planet is Mars.

## Planet Postcard

Write a postcard to your family or friends on Earth, describing a day on another planet. Try to use as many facts as you can about your chosen planet.

[illegible]



## Valentina Tereshkova

### Who Is Valentina?

Valentina is a famous Russian cosmonaut. Cosmonaut is the Russian word for astronaut. She is best known for being the first woman to fly in space.



### Valentina's Early Life

Valentina was born on 6<sup>th</sup> March 1927 in the country that is now called Russia but was then called the USSR. Her family were so poor they couldn't even afford bread! Valentina left school at just 16 and worked in a factory but she dreamed of doing something more exciting.

Valentina joined a skydiving club as a hobby and soon learnt that she had a knack for it!



### The Space Race

The USSR wanted to be the first country to send a woman into space. They were in a race against the United States. Valentina applied to be in a space programme and was chosen because she was good at skydiving.

Five women were picked to train to be cosmonauts but only one of them would be sent into space. Valentina worked hard to win a place and training was tough. They had to do many tests in zero-gravity and spend lots of time on their own. The women had to keep their training a secret - even from their families! Of the five women, Valentina was chosen as the best and was the only one to go into space.





### **Valentina's Flight**

On 16<sup>th</sup> June 1963, Valentina flew alone in space on a shuttle called Vostok VI. She went around the Earth 48 times setting a new world record. She took important photographs in space that helped scientists back on Earth. She had a tough journey back to Earth that nearly ended in disaster! The ship's programming went wrong and the ship nearly crashed. Luckily, clever Valentina was able to fix the problem and survived with just bruises on her face.

After her flight, Valentina became an engineer and then a doctor. She now works for world peace.



### **Did You Know...?**

- Valentina has a crater on the moon named after her!
- Valentina's first husband was a cosmonaut too, making them the first married couple to have both been to space.

# Questions

1. What is Valentina's nationality? Tick one

- |                                |                               |
|--------------------------------|-------------------------------|
| <input type="radio"/> British  | <input type="radio"/> Russian |
| <input type="radio"/> American | <input type="radio"/> German  |

2. When was the date of Valentina's first flight into space? Tick one

- |  |  |
|--|--|
| <input type="radio"/> 16 <sup>th</sup> June 1936 | <input type="radio"/> 16 <sup>th</sup> June 1963 |
| <input type="radio"/> 13 <sup>th</sup> July 1693 | <input type="radio"/> 19 <sup>th</sup> July 1996 |

3. Draw lines to complete the sentences about Valentina

Valentina was chosen for the space programme	in a factory before becoming a cosmonaut.
Valentina worked	her training a secret.
Valentina had to keep	because she was good at skydiving.

4. Number the events below to show the order in which they happened in Valentina's life. The first one has been done for you.

- ☐ Valentina trained in the space programme.
- ☒ 1 Valentina was born on 6<sup>th</sup> March 1937.
- ☐ Valentina joined a skydiving club.
- ☐ Valentina became a doctor.
- ☐ Valentina became the first woman to go to space.

5. Fill in the missing word in this sentence.

On her first flight, Valentina took \_\_\_\_\_ that helped science.

6. Find and copy one word that describes the kind of life Valentina dreamed of.

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7. What happened to Valentina on her way back to Earth? Why do you think she reacted the way that she did?

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