

Monday 1st March 2021

In SPAG, I am learning to understand subject specific vocabulary.

Can you think of the correct word for each definition?

a solar day on Mars, lasting 24 hours, 39 minutes and 35.244 seconds	related to the planet Mars or its possible life	supplies e.g. food and drink	left without the means to move from somewhere	broadcast or send out (an electrical signal or a radio/TV programme)
means of sending or receiving information, such as telephone lines or computers	the action or process of passing something on – transmitting something	an important task/ assignment given to a group of people, typically involving travel abroad (or to space!)	a rod wire or other device used to transmit or receive radio or television signals; an aerial.	a wireless device that records and monitors vital (important) data about a person's major life functions e.g. pulse, breathing rate.
a gap in a wall, barrier or defence, especially one made by an attacking army	a medical piece of equipment for oxygenating the blood	a piece of equipment that converts wastewater into water that can be reused for drinking	die, especially in a violent or sudden way	bring to a sudden (premature) end because of a problem or fault
a part of a larger whole, especially a part of a machine or vehicle	the action by a plant or animal of establishing itself in an area	same as a Sol day	all of the human people (race)	a space exploration vehicle designed to move across the surface of a planet or other celestial body
Habitation facility	A substance in living beings which determines their form, and can be used to uniquely identify a person.	Write the word then write the definition next to it e.g Martian day- Same as a Sol day		

Subject specific vocabulary, definition, scientific

Here is a list of space specific vocabulary.
Match the correct word to its definition.

Antenna
component
water reclaimer
transmission
DNA
Human-kind
Sol day
breach
perish
transmit
Martian
mission
abort
stranded
Bio monitor
communication
oxygenator
provisions
colonisation
Rover
hab
Martian day



Tuesday 2nd March 2021

In SPAG, I am learning to explore speeches about space travel.

Can you write a movie trailer?

Subject specific vocabulary, definition, scientific

- Show pupils the following clips. Pupils magpie language:
- Lost in Space Announcement Clip:
<https://www.youtube.com/watch?v=l5X3vC-XsU0>
- Mars Exclusive Sneak Peek Clip:
<https://www.youtube.com/watch?v=CNkcgUuubLE>
- Mars Trailer #2: <https://www.youtube.com/watch?v=4tIXHLC24aY>



Have your vocab from yesterday.

Listen to the following trailers to space movies.

List any repeated vocab or phrases that they use in the speeches related to space travel.

Watch them more than once if you wish to.

Task

Imagine you are introducing the next mission to Mars.

Explain why people are going

What do they hope to achieve by going to Mars?

Use the phrases and vocab on the next slide.



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Can you write a movie trailer?

Subject specific vocabulary, definition, scientific

Task

Include phrases such as
Human kind evolves...

We have survived...

We have learned to adapt...

When this world is no longer safe..

Another planet..

Another colony...

Another chance...

The rest of Human history begins now...

The desire to seek beyond...

We've crossed the Oceans, we have conquered the skies...

The Heavens beckon a new generation...

A generation of innovaters and explorers

We can go to other planets in the solar systems, not just to visit, but to stay...

- Show pupils the following clips. Pupils magpie language:
- Lost in Space Announcement Clip:
<https://www.youtube.com/watch?v=I5X3vC-XsUO>
- Mars Exclusive Sneak Peek Clip:
<https://www.youtube.com/watch?v=CNkcgUuubIE>
- Mars Trailer #2: <https://www.youtube.com/watch?v=4tIXHLC24aY>

Task

Imagine you are introducing the next mission to Mars.

Explain why people are going

What are the traits of humankind?

What do they hope to achieve by going to Mars?



Wednesday 3rd March 2021

In SPAG, I am learning to use pitch, stress, tone and volume to perform a transmission.

How can you show your emotions when sending the transmission?

Pitch tone stress syllable words volume emotions



Watch the first 12 minutes of the matt Damon film 'Mars'

What do the crew think has happened to Mark Watney?

What does NASA think has happened to him?

How would you feel if you were Mark Watney?



Listen to Mark Watney's First Transmission on Sol 19 (16 minutes into the film)

Hello, this is Mark Watney, astronaut. I'm entering this log for the record... in case I don't make it. It is 06:53 on Sol 19... and I'm alive. Obviously. But I'm guessing that's gonna come as a surprise to my crewmates and to NASA. And to the entire world, really, so... Surprise. I did not die on Sol 18. Best I can figure... this length of our primary communications antenna broke off... and tore through my bio-monitor... and ripped a hole in me as well. But the antenna and the blood, really, managed to seal the breach in my suit which kept me alive, even though the crew must have thought I was dead. I have no way to contact NASA. And even if I could, it's gonna be four years... until a manned mission can reach me. And I'm in a Hab designed to last 31 days. If the oxygenator breaks, I'm gonna suffocate. If the water reclaimer breaks, I'll die of thirst. If the Hab breaches, I'm just gonna, kind of... implode. And if by some miracle, none of that happens... eventually I'm gonna run out of food. So... yeah. Yeah.

Read the speech out loud

- Use different tones and pitch to show the range of emotions you would go through
- Which words would you stress more than others.
- How could changing the volume of your voice change the meaning?
- Keep reading it out loud in different ways.

Thursday 4th March 2021

In SPAG, I am learning to use pitch, stress, tone and volume to perform a transmission.

How can you show your emotions when sending the transmission?

Hello, this is Mark Watney, astronaut.

I'm entering this log for the record... in case I don't make it!

It is 06:53 on Sol 19... and I'm alive. Obviously.

But I'm guessing that's gonna come| as a surprise to my crewmates and to NASA. And to the entire world really, so... Surprise!

I did not die on Sol 18. Best I can figure ... this length of our primary communications antenna broke off...and tore through my bio-monitor... and ripped into me as well. But the antenna and the blood, really, managed to seal the breach in my suit which kept me alive, even though the crew must have thought I was dead.

I have no way to contact NASA. And even if I could. It's gonna be four years...until a manned mission can reach me. And I'm in a hub designed to last 31 days.

If the oxygenator breaks, I'm gonna suffocate, if the water reclaimer breaks, I'll die of thirst, if the hab breaches, I'm gonna kind of... implode. And if by some miracle, none of that happens... eventually I'm going to run out of food.

So...yeah. Yeah. I'm not going to die here!

Pitch tone stress syllable words volume emotions



Look at the transmission carefully. Use the symbols to annotate the transmission. You might not need to use all of them.

Look at the language used.

- Is it written in formal or informal language? How can you tell? List the words that demonstrate this.
- Can you expand these contractions:
Don't
I'm
I'll
- Why have ellipses been included?
- Re read the transmission have any words been missed out in the sentences? Which words? Why?

Friday 5th March 2021

In Guided reading, I am using my retrieval and inference skills to answer questions.

Tim Peake

Early Life

Timothy Nigel 'Tim' Peake was born in Chichester, West Sussex, England, on 7th April 1972, and grew up in a nearby village. Tim and his older sister, Fiona, enjoyed a stable upbringing and ordinary family life. Their mother worked as a midwife and their father, who was a journalist, had always been interested in historic aircraft so he took Tim to air shows from an early age. This is where Tim's fascination with flying began.



He studied at the Chichester High School for Boys, leaving in 1990 to enrol at the Royal Military Academy Sandhurst.

Military Career

Despite having been interested in stars and the universe as a child, as a career choice Tim followed his passion for flying and trained to be a pilot. This resulted in an eighteen-year military career where Tim flew all types of helicopters and aircraft.

Tim later trained to be an instructor, before flying Apache helicopters in Texas with the US Army. On his return to the UK, the Apache was being introduced into the British Army so Tim helped develop the training activities.

European Space Agency

In 2008, when the European Space Agency (ESA) announced it was accepting applications for new astronauts, Tim saw the advert online and decided it was too good an opportunity to miss. His application joined 8000 others!

In 2009, following various exams and assessments, Tim received a phone call from the ESA offering him one of the six available places with the European Astronaut Corps.

Blast Off!

On 15th December 2015, at 11:03 a.m., the nation collectively held their breath as Tim Peake launched alongside Yuri Malenchenko and Tim Kopra. Tim reached his destination at 5:33 p.m. but the docking procedure did not go to plan. More than two hours later, the hatch opened and Tim was welcomed onboard, becoming the first British ESA astronaut to live on the International Space

Tim Peake

Station (ISS). Tim spent six months living and working in space, during which time he completed the first spacewalk by a British astronaut.

Coming Home

Tim returned to Earth on 18th June 2016, travelling at 25 times the speed of sound, landing in Kazakhstan at 9:15 a.m. During his mission, Tim had made 3000 orbits of Earth, covering about 125 million km. It took around two months for Tim's body to recover from the effects of zero gravity.

While in space and since returning home, Tim has worked a lot with children on various science projects to spread the excitement around being an astronaut.

Glossary

Test pilot - A pilot who flies an aircraft to test its performance.

Astronaut - A person who is trained to travel in a spacecraft.

Zero gravity - The state or condition in which there is no apparent force of gravity acting on a body.

Spacewalk - A period of physical activity engaged in by an astronaut in space outside a spacecraft.

Read the text carefully. There is a copy in your pack or you can download one off the internet.

Look up any words that you do not understand.

Paraphrase the questions in your answers.

Do not write on the sheet!

Questions are on the next slide.

Friday 5th March 2021

In Guided reading, I am using my retrieval and inference skills to answer questions.

Questions

1. 'Tim... enjoyed a stable upbringing...' What does the word stable mean? Tick one.

- ☐ something which is unexpected
- ☐ something unpleasant
- ☐ something which is safe and steady
- ☐ something noisy

2. Match each question to the correct answer.

Where did Tim go to school?

Royal Military Academy Sandhurst

Where did Tim go after he left school?

Chichester High School for Boys

In 2008, where did Tim apply to become an astronaut?

European Space Agency

3. Name two things that Tim has done as a job.

1. _____
2. _____

Tim 4. Fill in the missing words from this sentence:

'Tim spent six months _____ in space, during which time he completed _____ by a British astronaut.'

5. Find and copy a word which tells you that Tim had always loved flying.

6. How do you think Tim felt when the docking procedure didn't go to plan?

7. What do you think attracted Tim to the online advert to train to become an astronaut?

8. How has Tim contributed to scientific knowledge?

Read the text carefully. There is a copy in your pack or you can download one off the internet.

Look up any words that you do not understand.

Paraphrase the questions in your answers.

Do not write on the sheet!

Questions are on the next slide.

Monday –spelling test - Good luck!



Spellings Week 22

This week, we are going to look at a set of statutory spelling challenge words from the Y5/Y6 statutory spelling list.

These are the words that don't 'fit' into any particular spelling patterns and therefore must each be learnt separately.

Here are this week's spellings to practise.

attached

controversy

available

correspond

average

embarrass

competition

especially

conscience

exaggerate

Statutory Spelling Challenge Words

Practise your weekly spelling words using cursive handwriting.

attached

controversy

available

correspond

average

embarrass

competition

especially

conscience

exaggerate

Spellings Week 22 spelling

Name:

Use this
strategy

look
say
cover
write
check

Spelling – Wk 22 Focus TEST DATE-08.03.21

Words to learn look, say & cover		write & check ✓		write & check ✓		write & check ✓		write & check ✓	
	Attached								
	Available								
	Average								
	Competition								
	Conscience								
	Controversy								
	Correspond								
	Embarrass								
	Especially								
	Exaggerate								
	Sacrifice								
	Secretary								
	Shoulder								
	Signature								
	Sincere								
	Sincerely								
	Soldier								
	Stomach								
	Sufficient								
	Suggest								

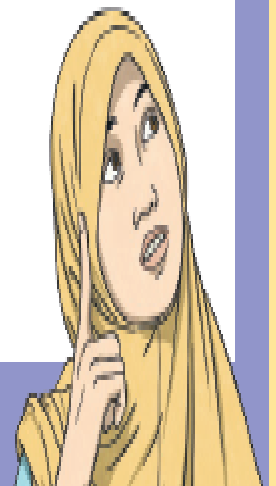
Spellings Week 22 Handwriting

Statutory Spelling Challenge Words

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

How quickly can you find all the words.
Set yourself a goal and time your self.
How quickly did you find them all?

attached competition correspond exaggerate
available conscience embarrass
average controversy especially



Guided reading



Guided reading- Vocabulary work

Extraordinary

Heralded

Dimension

Technician

Archive

Colony

Era

Have a look at these tricky words.

Research and write a definition for each.

Check your answers on the next slide.

Guided reading- Vocabulary work

Extraordinary	Very unusual or remarkable.
Heralded	A sign that (something) is about to happen.
Dimension	An aspect or feature of a situation.
Technician	A person employed to look after technical equipment or do practical work in a laboratory.
Archive	A collection of historical documents or records providing information about a place, institution, or group of people.
Colony	A country or area under the full or partial political control of another country and occupied by settlers from that country.
Era	A long and distinct period of history.

Have a look at these tricky words.

Research and write a definition for each.

Check your answers on the next slide.

Guided reading- Speed read

An extract from Jazz Harper: Space Explorer

MARS YEAR 84

Nearly twenty Mars years ago, the extraordinary story of two children who discovered life on Mars heralded the beginning of a new era for the Marineris Colony and all humans living and working on the Red Planet.

Now, after many years, researchers have uncovered documents from the Marineris archives which shed new light on the discovery and the events that led to it.

Those documents are published here together for the first time. What follows is a story like no other...

28th May 2060
Dear Brand-New Diary of Adventure,

...last visit to Gran before our epic
...h and I travelled there on the air
...you know that air trans travel
...looked it up on the map app on my
...sped over the tall tower blocks
...one point, we got up to 147mph!

...s how fast we'll be travelling
...aid that the rocket will be much
...y thousand miles per hour!

...at's mega-fast. That's stomach-ch
...ng fast. Sometimes, when we're
...y games to make the journey
...gined that I was a space pilot,
...galaxy. Outside the windows
...med past, blurring into streaks of
...hip approached with lasers beaming
...p it into another dimension as soon

Speed read- How many sentences can you read in 30 seconds?

Mark where you get to on your sheet.

Start from the beginning again, skim through your previous lines, then continue reading. Record where you get to. You should improve each time.

Reading speed task					
Date					
Show me that you can get faster at reading an extract of text.					
Name of text	Time 1	Time 2	Time 3	Time 4	Time 5
How many complete sentences read?					

Guided reading- Finding information

An extract from Jazz Harper: Space Explorer

MARS YEAR 84

Nearly twenty Mars years ago, the extraordinary story of two children who discovered life on Mars heralded the beginning of a new era for the Marineris Colony and all humans living and working on the Red Planet.

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Those documents are published here together for the first time. What follows is a story like no other...

28th May 2060

Dear Brand-New Diary of Adventure,

My last visit to Gran before our epic journey and I travelled there on the air tram. You know that air trams travel super fast. I looked it up on the map app on my phone. It said we'd speed over the tall tower blocks. At one point, we got up to 147mph!

It's how fast we'll be travelling. Gran said that the rocket will be much faster than any thousand miles per hour!

That's mega-fast. That's stomach-churning fast. Sometimes, when we're playing games to make the journey seem easier, I imagined that I was a space pilot, zooming through the galaxy. Outside the windows, the stars seemed to speed past, blurring into streaks of light. The ship approached with lasers beaming at it. It was like it had jumped into another dimension as soon as we got on board.

Questions

1. Look at the first section of the text. From where were the documents uncovered?

2. The first section ends with the line: "What follows is a story like no other..." What effect is this designed to have upon the reader?

3. What does Jazz use her webspectacles for?

To see better

To go faster

To look up
information

To imagine aliens

4. Find and copy a phrase which suggests that Mum and Jazz typically use the same means of transport to visit Gran.

5. How can you tell that this story is set in the future? Give two reasons or examples.

Questions

8. What impression do you get of the relationship between Mum and Jazz? Support your answer with evidence.

6. What does Mum think of Jazz's idea of visiting Gran?

9. Describe some of the food that will or will not be available in space, according to Gran.

7. Jazz describes this suggest at

10. What impression do you get of Gran's character? Use evidence to support your answer.