

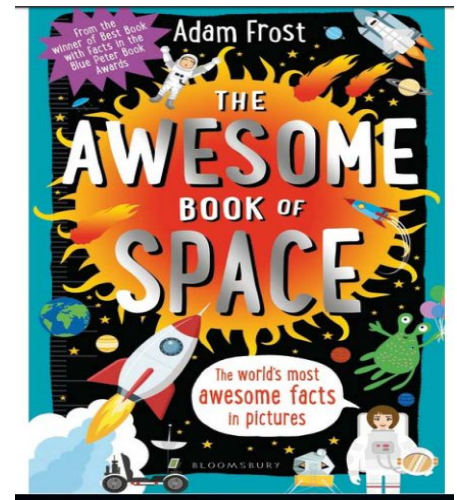
Tuesday 21st April 2020

Good morning all.

Following on from yesterday's text, we will continue to answer questions using our retrieval skills and our understanding of the author's intent.

WALT – use retrieval skills to answer questions

WALT answer question involving authorial intent



We have been reading the Awesome Book of Space.

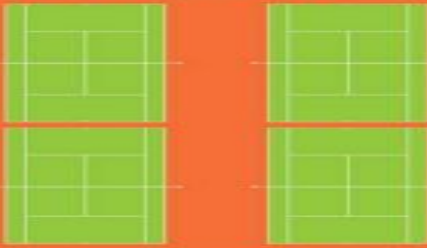
Arthur the Alien has crash landed on Earth and the book teaches us about Space as he tries to get home.

Read the text from the following pages then answer the questions.

Page 1



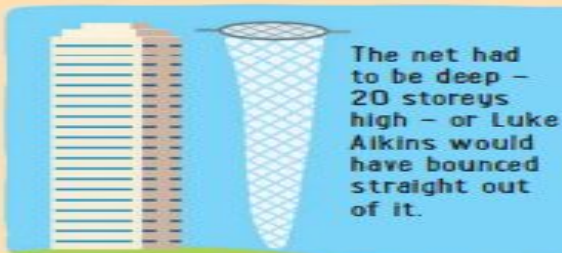
The net was 30 m² – about the size of four tennis courts.



It was held up by four 61-metre cranes – taller than the Leaning Tower of Pisa.



As he fell, Luke Aikins reached speeds of 150 mph.



The net had to be deep – 20 storeys high – or Luke Aikins would have bounced straight out of it.

In 2012, Felix Baumgartner fell further (39 km) and faster (844 mph – breaking the sound barrier). But he used a giant parachute to slow himself down. I guess that makes him a... lightweight?

THIS IS A BLAST!

So you've decided to build a rocket in your back garden. What do you need to think about?



1. LOCATION

It would be good if your garden was near the Equator. The Earth spins fastest there, so rockets get an extra 'push' as they take off.

2. NOISE

It would help if no one were living next door. NASA's Saturn V made one of the loudest noises ever recorded – 220 db. This is loud enough to melt concrete.



3. A LARGE SHED

You need to build (and store) your rocket somewhere. NASA's Vehicle Assembly Building (VAB) is the tallest single-story building in the world (160 m). It also contains the tallest doors (139 m).

SPACE SURVEY

People have strong views about space.
Which of these statements do YOU agree with?



53% of Americans say they'd like to go up to space. Would you enjoy a space vacation?



One in ten British people say they would be happy to go on a ONE-WAY trip to Mars. That means they'd NEVER get to come back. Would you?



54% of people say they believe there is intelligent life on other planets. Do you think aliens exist?

In a 2013 survey, 2.5% of Americans said they had been abducted or kidnapped by aliens*. Do you believe this is possible?



*Some people think the people in this survey might not have been telling the truth.

Questions:

1. What is so interesting about Luke Atkins?
2. How do the pictures help the reader on page 2
3. Why did the author draw examples of different speeds?
4. What was different to Felix Baumgartner's fall in 2012?
5. Look at page 3 (This is a Blast!) What organisational features have been used here?
6. Where would it be best to build a rocket and why?
7. What are the other things you need to think about when building a rocket?
8. What does VAB stand for?

Challenge:

9. Look at the Space survey on page 4. What statement do you agree with and why? Write a detailed paragraph thinking about P.E.E

Answers:

1. What is so interesting about Luke Atkins?

American skydiver who jumped from a plane without a parachute.

2. How do the pictures help the reader on page 2

Shows the reader what is being compared/The pictures show what is being discussed

3. Why did the author draw examples of different speeds?

To show how each compares to Luke Atkins speed

4. What was different to Felix Baumgartner's fall in 2012?

He fell further and used a parachute to slow him down.

5. Look at page 3 (This is a Blast!) What organisational features have been used here?

Numbered parachutes /Pictures/illustrations/paragraphs

6. Where would it be best to build a rocket and why?

Near the equator. Earth spins quicker here so they get an extra push when they take off.

7. What are the other things you need to think about when building a rocket?

Noise and somewhere to store it.

8. What does VAB stand for?

Vehicle assembly building