

## 54321 Spellings

business (n.)

eighth (adj.)

history (n.)

occasionally (adv.)

question (n.)

weight (n.)

SPaG Word of the Week

# conjunction

(A word used to connect two clauses in a sentence)

I need to pop to the retail park because I need  
a new TV

Idiom of the Week

once in a blue moon

(When something only very rarely happens.)

## International Space Station

Before reading and writing about The Jamie Drake Equation, this week we are going to focus on the International Space Station

Which genre of writing would be perfect for doing this?

A non-chronological report (e.g. a fact file!)

A **non-chronological report** is a text which isn't written in time order. They are normally **non-fiction** texts which give information on a particular subject or event, without referring to the order in which things happen.

# WAGOLL

## The International Space Station

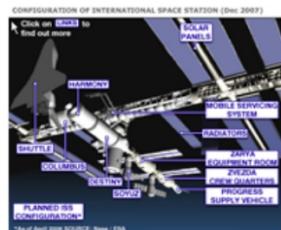
Christopher Edge's mind-blowing adventure, *The Jamie Drake Equation*, introduces us to the main character of Jamie Drake whose father is a celebrated astronaut. In the first chapter, we discover that Jamie's father is on the International Space Station that orbits the Earth, carrying out an important mission to search for alien life among the stars. Read on to discover more about the International Space Station in this engrossing fact file!

### What is it?

First of all, the International Space Station (or ISS as it is better known) is an example of an artificial satellite, which means that it orbits the Earth from space. It does this at an altitude of between 330km (205 miles) and 435km (270 miles.) Can you think of an example of a natural satellite orbiting the Earth? That's right, the Moon! Moving on, the ISS is a joint project between several countries, including the USA, the UK and Russia, and its primary purpose is as a laboratory where many different tests and experiments are carried out. For instance, scientists study what happens to people when they live in space and the test results will be vital for the future because NASA - the USA's space agency - wants to send humans deeper into space than ever before. I'm not sure I would be courageous enough to sign up for these missions as I would definitely become homesick! Good luck to all those who do though!

### When was it built/launched?

It's hard to believe but the International Space Station is now over twenty years old! Over 100, 000 people, sixteen nations and hundreds of companies collaborated on designing and building the various components for the ISS with an estimated cost of around 96 billion dollars. That's a staggering amount, wouldn't you agree? What then happened was that a Russian Proton rocket carried the first module of the ISS, which was named Zarya, into space on 20<sup>th</sup> November 1998 and this supplied propulsion, altitude control, communications and electrical power. Two weeks later, NASA launched a module called Unity attached to the space shuttle Endeavour and this module was equipped with all the resources that humans need for long-term survival. In other words, this includes eating, sleeping and - let's not beat around the bush - going to the toilet. That's right, even astronauts must go to the toilet!



## Non-chronological Report Features

Interesting facts

Subheadings

Statistics

Rhetorical questions

Topic words

(e.g. words only to do  
with space)

Third person

(e.g. 'He', 'It',  
'They')

Writer's own comments

Thursday 7th January

### Learning Objective

Today we are learning to research information for our own non-chronological reports.

### Success Criteria

I will be successful if:

- I can access a range of websites.
- I can select suitable information for the section.
- I can make notes and NOT copy large chunks of text.

## Skills Burst

### Relative Pronouns

which/that

who

where

when

whose



Write a relative clause sentence for this picture.

e.g. *Laura spotted the man whose dog had ran off with her frisbee.*

*After a while, she got up and opened the window which looked out onto the field.*

## The International Space Station Research

Today you will research facts for your own non-chronological report on the ISS.

On the next slide are ideas of subheadings for the different sections to research.

In red, there are example websites: if you type these into Google, they should come up.

You may record your research any way you like: on paper, on the computer for example, but remember - it is just bullet point notes. Tomorrow you will turn these into sentences and paragraphs.

## The International Space Station Research

What is it?

What are the different parts?

When was it built/launched?

Why is it important?

How do astronauts live on board?

What happens on board?

Interesting facts

What is its future?

esa kids space stations the international space station

\*2-3 sections

science kids the international space station

\*4-5 notes per section

kidsconnect science international space station

\*You may change two of the subheadings for your own if wish

nasa kids what is the iss

bbc newsround international space station

\*Extension - *Fun Facts*