

You are going to design a contraption and write an explanation of how it works. You could do it in Purple Mash if you wish and upload it to our class display board.

First, watch the clips on the next slide.



<https://www.youtube.com/playlist?list=PLSD4QfyS1DxXVYgPkEajIjBak1UkPSPjx>

<https://www.youtube.com/watch?v=gu2pxJo3cl0&list=PLSD4QfyS1DxXVYgPkEajIjBak1UkPSPjx&index=2&t=0s>

Soccomatic

<https://www.youtube.com/watch?v=Xc5eqwzEgUo&list=PLSD4QfyS1DxXVYgPkEajIjBak1UkPSPjx&index=7>

tellyscope

<https://www.youtube.com/watch?v=eDmwqj6CUOY&list=PLSD4QfyS1DxXVYgPkEajIjBak1UkPSPjx&index=8>

Turbo diner

<https://www.youtube.com/watch?v=kB1dXzHcuQg&list=PLSD4QfyS1DxXVYgPkEajIjBak1UkPSPjx&index=10>

Shopper 13

<https://www.youtube.com/watch?v=2igRcGxlshA&list=PLSD4QfyS1DxXVYgPkEajIjBak1UkPSPjx&index=5>

Autochef

Is this YOUR bedroom?



You need... a bedroom tidier!

What needs tidying?



Make a list of the features your machine will need.
How will each work? Are they interdependent or cause something specific to happen?
Does it run on electricity?
What other factors might you need to consider?
(e.g. an overload may cause it to go into overdrive creating more chaos and mess.)



Design and draw a bedroom tidier

Label the different parts
and functions.



Write an explanation text for your bedroom tidier. Look at the following slides to help you structure your writing.

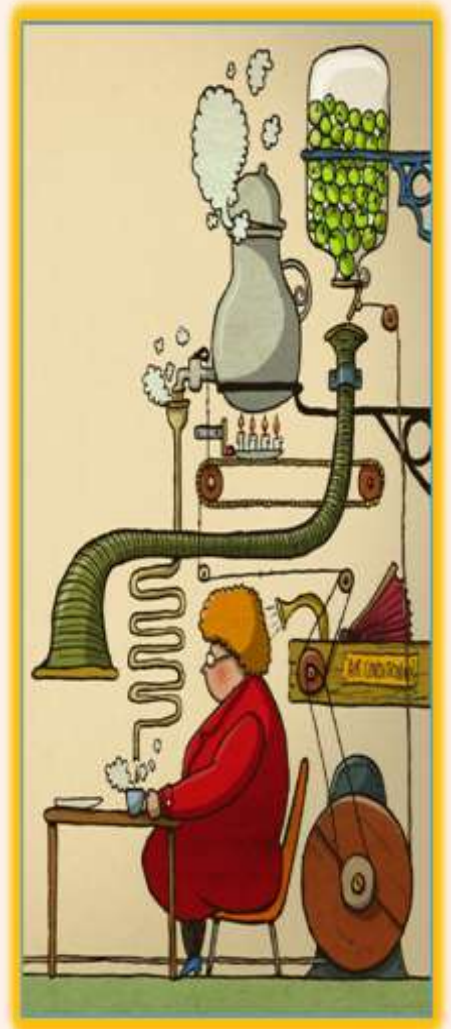


The 'Teacher Pleaser' Machine

Do you suffer from a grumpy teacher? If so, then use the 'Teacher-Pleaser' machine and soon your teacher will become the jolliest person in school. How does the machine work?

- To start the machine running, you have to wind up the clockwork handle. This provides enough energy to turn the large wheel which causes the apple dispenser to work. As the wheel spins, this also causes the tea mug to heat up so that a fresh, warm cup of tea can be served. When your teacher receives a lovely cup of tea and an apple, she will feel in a good mood instantly. The more apples she is given, the more pleasant she will become.
- If the wheel begins to slow down, you must turn the handle again. As a result, the clockwork machinery will speed up the wheel. This means that you can turn on one of the best features of the 'Teacher-Pleaser'. Press the red button on the top of the machine. This will result in starting up the pencil-sharpener. Therefore in 30 seconds you can sharpen every pencil!
- Furthermore, if you press the green button then a spinning brush appears which will sweep up and recycle any pieces of paper so that your class can be clean and tidy. The 'Teacher-Pleaser' also writes notes saying, "You are the best teacher in the world". Finally, there is an in-built calendar which alerts you to your teacher's birthday so that you can remember to buy a present.

Use one of these amazing machines because it will keep your teacher happy. The more you use it, the more your school life will be a breeze!



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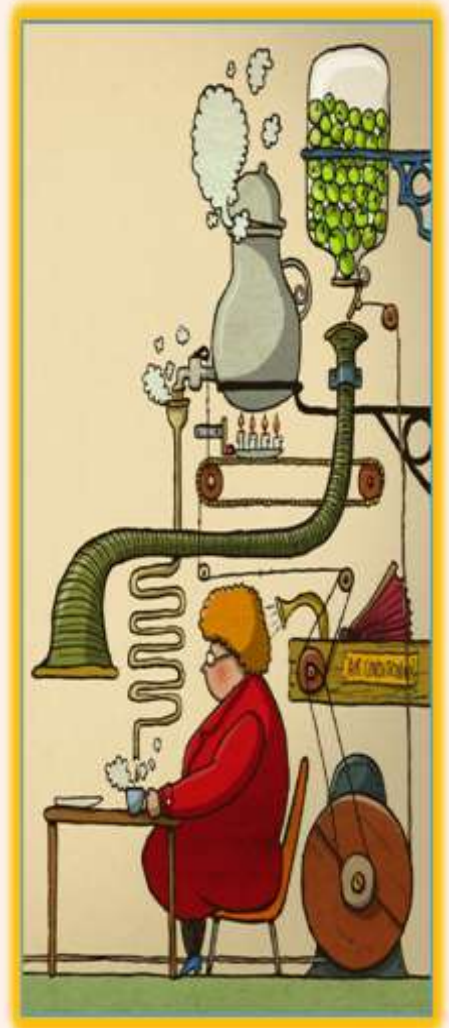
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Key
vocabulary
is
highlighted



A causal conjunction is:
something that explains the result of an action

Causal (Links Causes & Effects)	Contrasting (Links Positives & Negatives) (Comparing Different Points)
<ul style="list-style-type: none">• as a result• because• consequently• due to the fact• for this reason• therefore	<ul style="list-style-type: none">• although• but• even though• however• on the other hand• whereas

Causal conjunctions –

**accordingly, as a consequence of, as a result of
because, caused by, consequently
despite this, even though, hence, however
in that case, moreover, nevertheless
otherwise,, therefore, though**

Comparative Conjunctions –

Showing similarity or adding a point

**Additionally, also, as well as, even though ,furthermore ,in
addition, indeed, let alone moreover, not only**

What will your machine do – clear socks,. Clean the floor, tidy away toys etc.

What are the main features? How does it run (battery, solar etc)

How does it do this? The arm comes up with a broom on the end ...

What technical words will you use?

Will a diagram or flow chart help?

What causal and comparative conjunctions will you use?

Your explanation should have:

Present tense

Time adverbials

Detail

Paragraphs

Title

Rhetorical questions

Second person

Specific vocabulary

Sequence of events

Causal conjunctions eg. As a result, because, consequently, due to, for this reason, therefore



Time Connectives

Help the reader to understand the order



Diagrams

Make sure your diagrams are clear and accurately

Technical Vocabulary

Remember, when using subject specific vocabulary, to put it in bold and in a glossary

HOW TO WRITE AN:

EXPLANATION TEXT

Present Tense

These things are happening now

Title

Making your title a question can help guide your writing

Introduction

Should introduce your main ideas, as well as giving some brief description

Text boxes

Interesting facts/ "Did you know?" boxes can help engage the reader



