

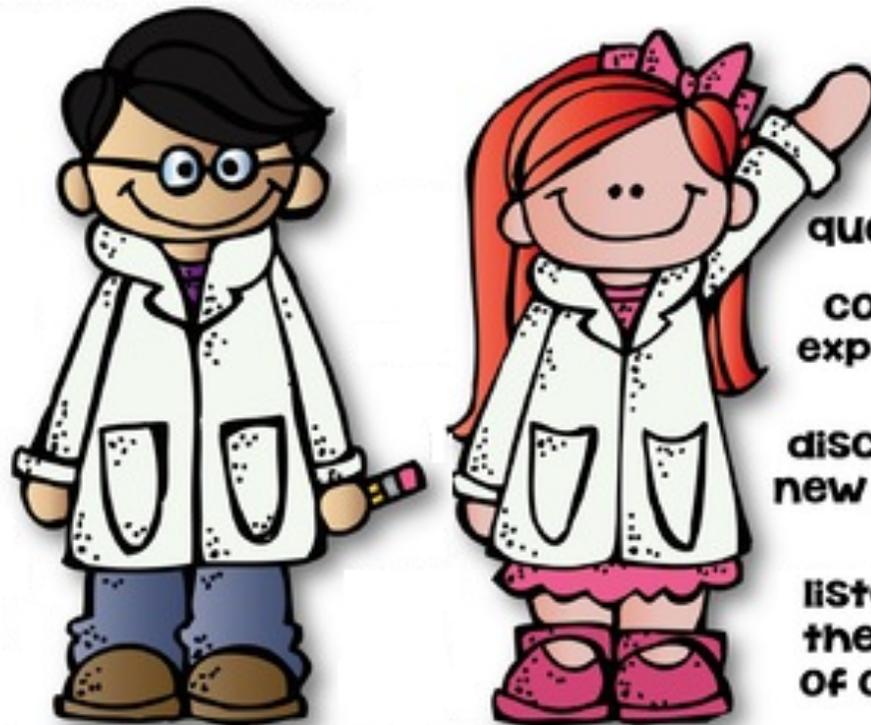
A SCIENTIST is someone who...

observes
and
wonders

shares
their
curiosity

invents

explores
the world
around
them



asks
questions

conducts
experiments

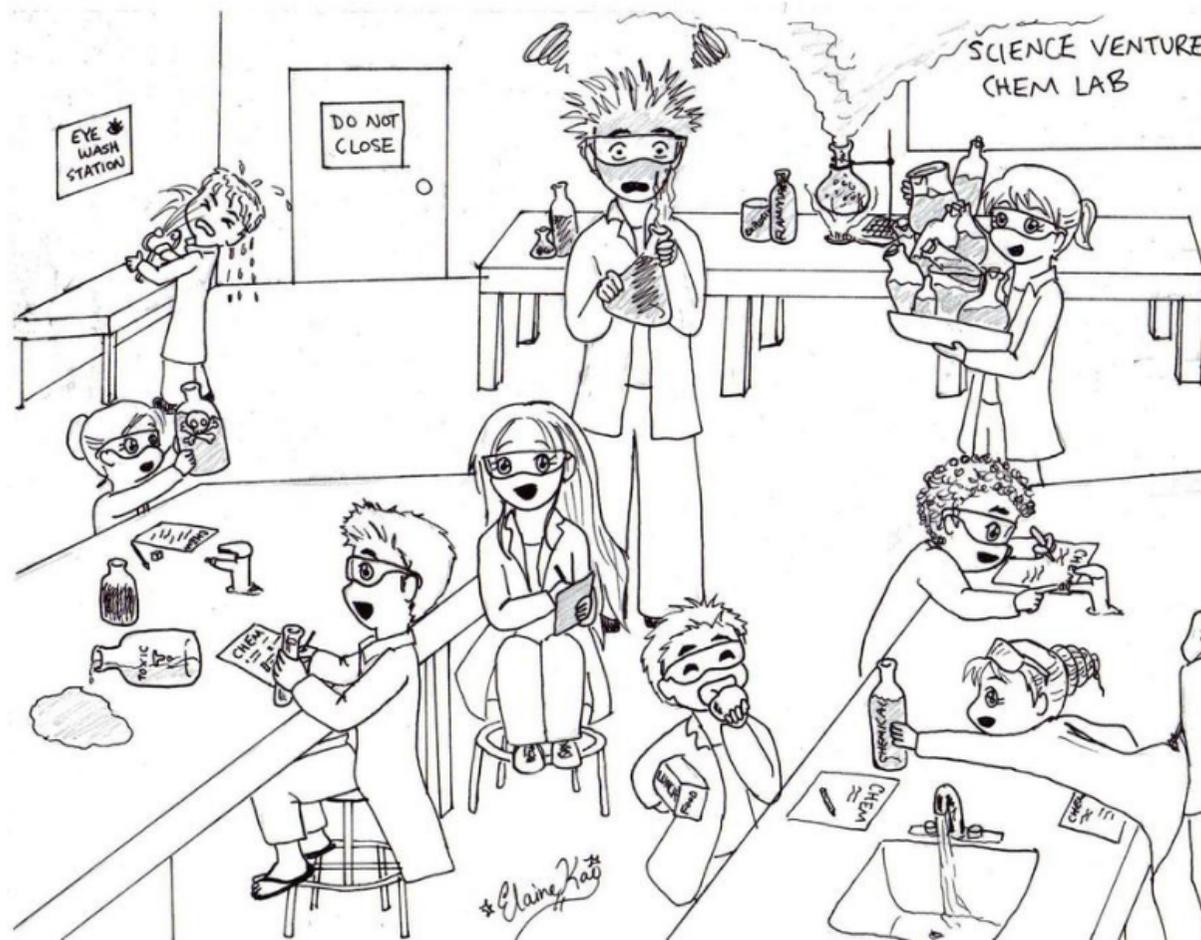
discovers
new things

listens to
the ideas
of others

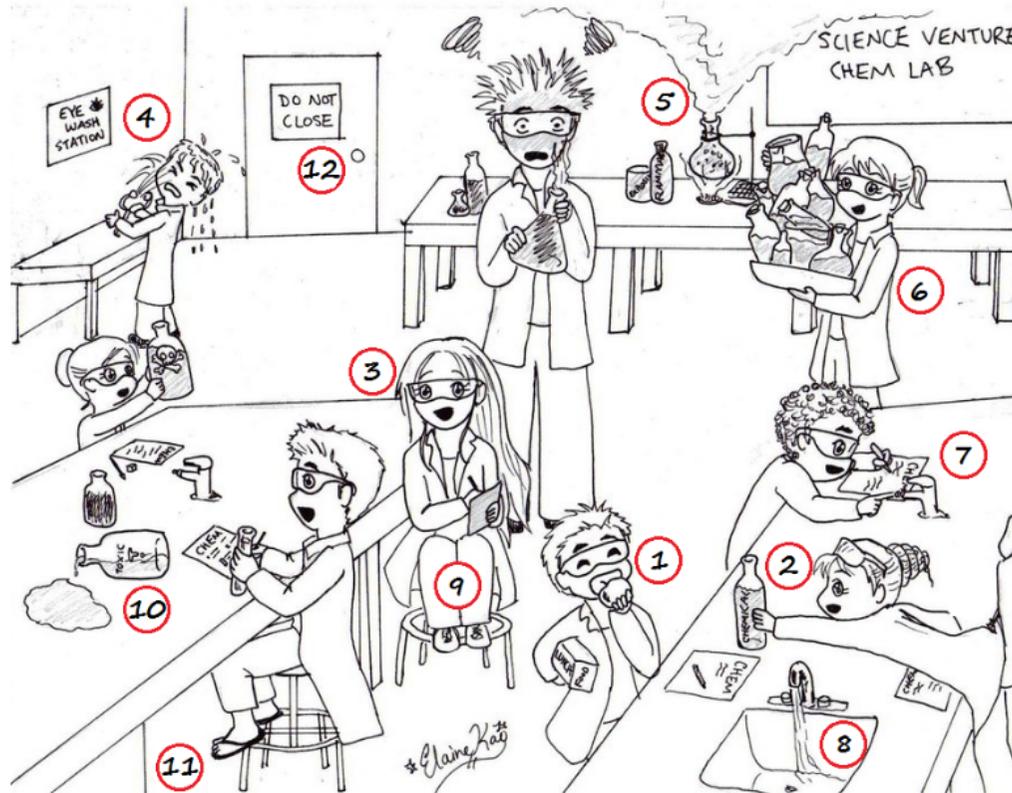
A SCIENTIST is someone like you!

Lab Safety

[Click on this link to watch the safety video](#)



The Cartoon above shows (at least!) 12 Safety Hazards in a Science Lab, can you spot them all ?



- 1 - Eating in Lab
- 2 - Not wearing Goggles
- 3 - Hair not tied back
- 4 - Misuse of kit
- 5- Unattended experiment
- 6 - Unsafe carrying

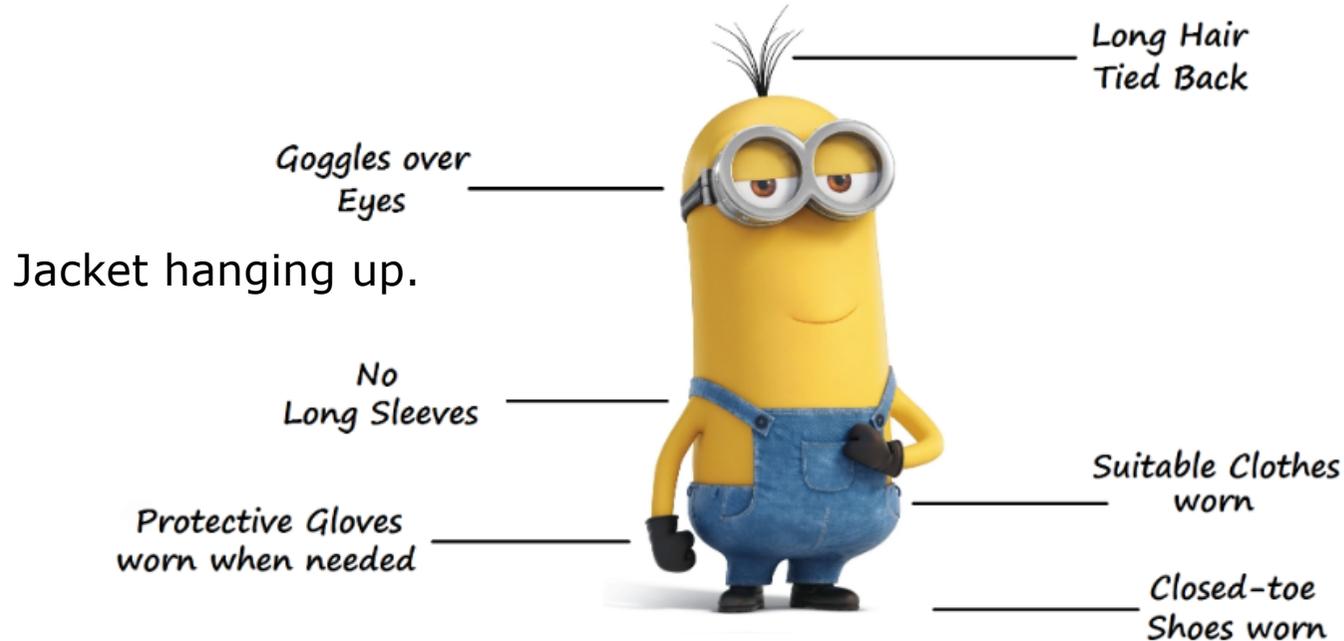
- 7 - Touching Gas Tap
- 8 - Sink left running
- 9 - Sitting during Experiment
- 10 - Spill not cleaned up
- 11 - Unsafe shoes
- 12 - Rules not being followed

Dressed for Safety

The first place that Safety should be seen in a Science Lab is in how you arrive. **How you are dressed** has a big effect on your safety.

Kevin below shows good practice for working in a Science Lab :-

Lab Safe Minion



Eye Safety

When performing Experiments it is vital that eye protection is worn. For most experiments this Eye protection is **Goggles**, but in some Experiments you might need to wear a **full face shield**.

X



X



X



✓

Safety Symbols

In the Science Classroom, you will be working with lots of different pieces of equipment and chemicals, all of which must be handled **safely**.

In order to keep you safe, Chemicals that can cause harm are labelled with **Hazard Symbols**.

These same symbols are used all over the Earth, so it doesn't matter if you speak the local language, you can always be safe!

Here are some examples of the common symbols found within the Science Lab. Your teacher will always explain any others you might use, before you use them, if in doubt, **ASK!**



Explosive



Flammable



Oxidiser



Compressed Gas



Corrosive



Toxic



Long Term Health Hazard



Environmental Hazard

Lab Apparatus Within the Science Course you will use a wide range of Lab Apparatus and Glassware. Each piece has a different use or function and your teacher will explain these all when required.

Below shows a selection of the most commonly used pieces of Lab Apparatus :-



Test Tube



Measuring Cylinder



Beaker



Conical Flask



Clamp and Stand



Heat Source



Tripod



Heat Proof Mat



Thermometer



Test Tube Rack



Funnel



Spatula

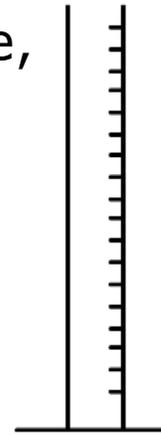
The above images are useful when trying find the right apparatus around the lab, but they are very tricky to draw to show how an Experiment is set up.

In order to easily create a Experimental Diagram, **Lab Apparatus symbols** can be used.

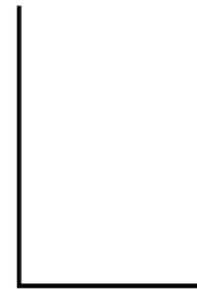
Below is the same Lab Apparatus as above,
but in Symbol Form :-



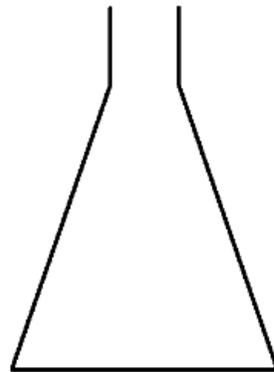
Test Tube



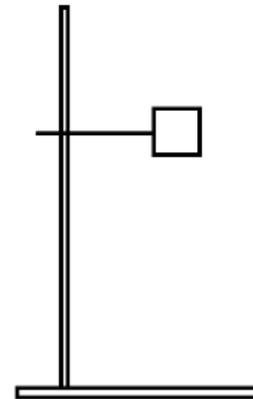
Measuring Cylinder



Beaker



Conical Flask

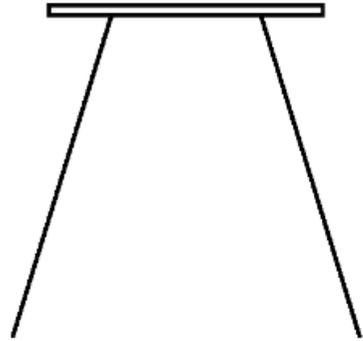


Clamp and Stand



Heat

Heat Source



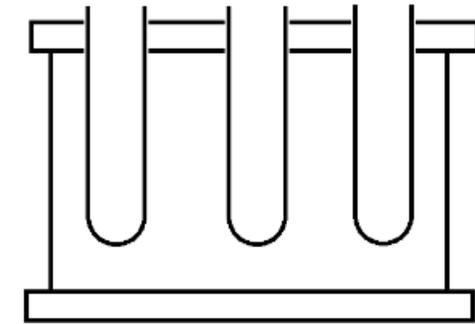
Tripod



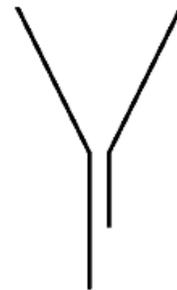
Heat Proof Mat



Thermometer



Test Tube Rack



Funnel



Spatula

Now open the word document.

Then complete the table by moving the symbols or pictures at the foot of the page into the correct place.

Save the word file into Google Classroom.

Looking forward to seeing you when start at St David's.