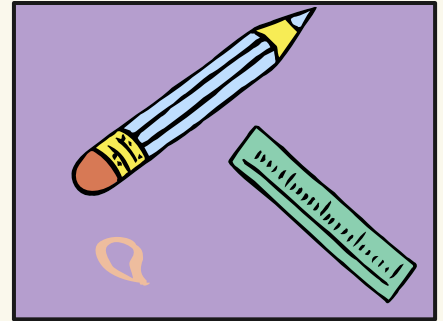
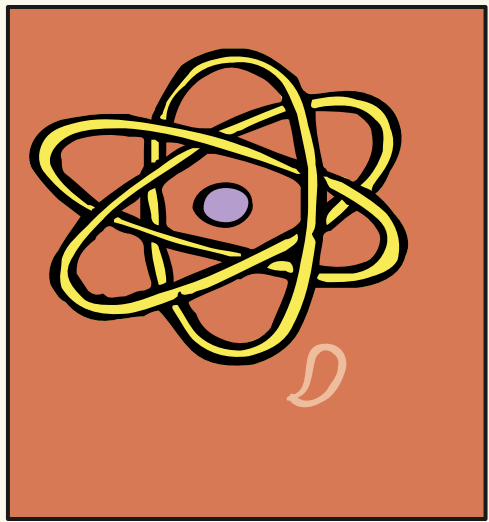


welcome to...

Year 7 Science 2024!

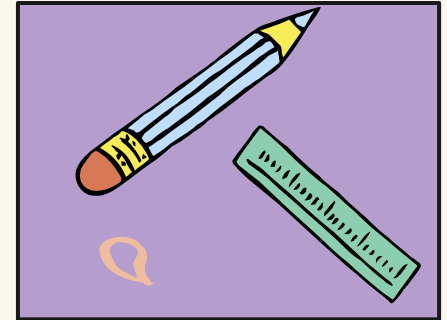
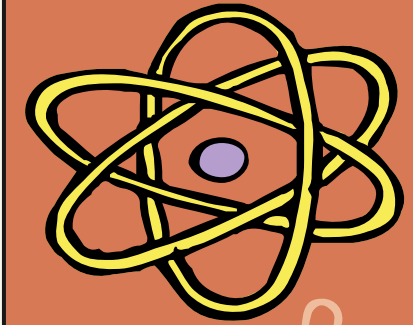
Hei mahi:

1. Bags in cupboard, laptops closed
books out
2. Take out your book for Science.
Make sure it has your name, subject
and class!



Important class rules

1. No eating or drinking in the lab
2. No running in the lab
3. Listen and follow instructions carefully
4. You can use pencil or pen - but keep it tidy!





What is
SCIENCE?





5 SENSES



SMELL



SIGHT



TOUCH



HEARING



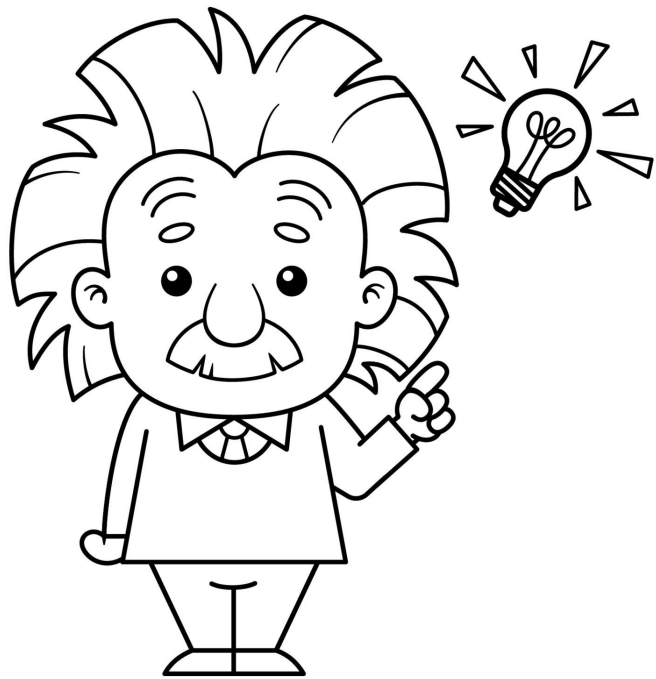
TASTE



What does a scientist look like?

Draw a picture of what you think a scientist looks like...

What are they wearing? What are they holding and doing?



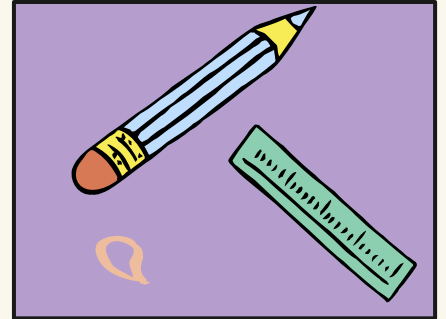
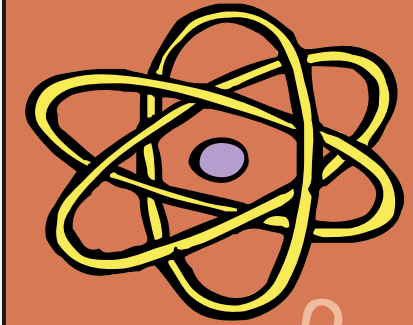


Y7 Science

Hei mahi:

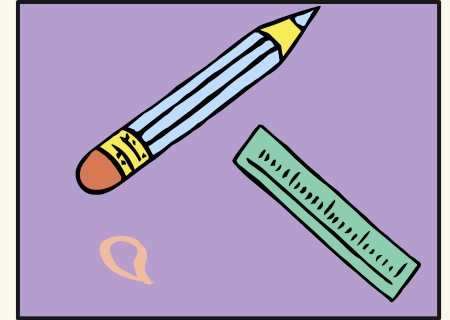
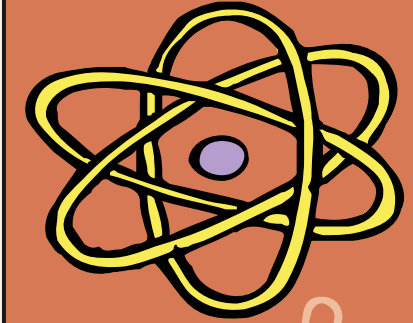
Write in your books:

1. Today's date
2. Today's **Learning intention:** to learn about the wide variety of scientists and types of science



Important class rules

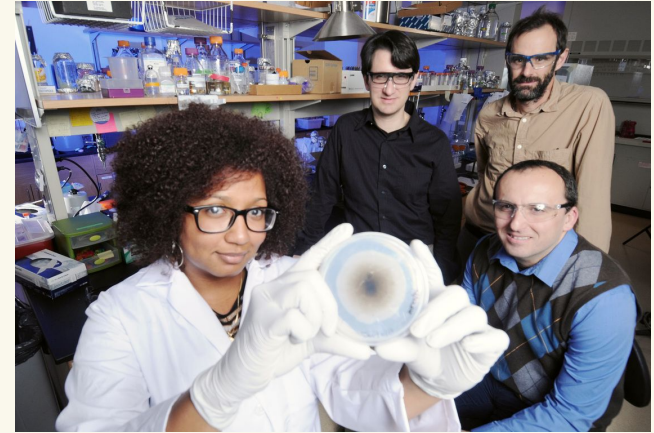
1. No eating or drinking in the lab
2. No running in the lab
3. Listen and follow instructions carefully
4. You can use pencil or pen - but keep it tidy!



Why do we think a 'scientist' looks like this?



Many scientists are women!



Science is diverse and there is not always 'one way' of doing things...



Sometimes science is in a lab...



These scientists are tasting enriched icecream at Massey University



These scientists are researching for new ways to help the immune system destroy infectious diseases.

Sometimes science is NOT in a lab!



These scientists are heading down to a stream to test water quality



This scientist is researching crab larvae

Sometimes science is NOT in a lab!



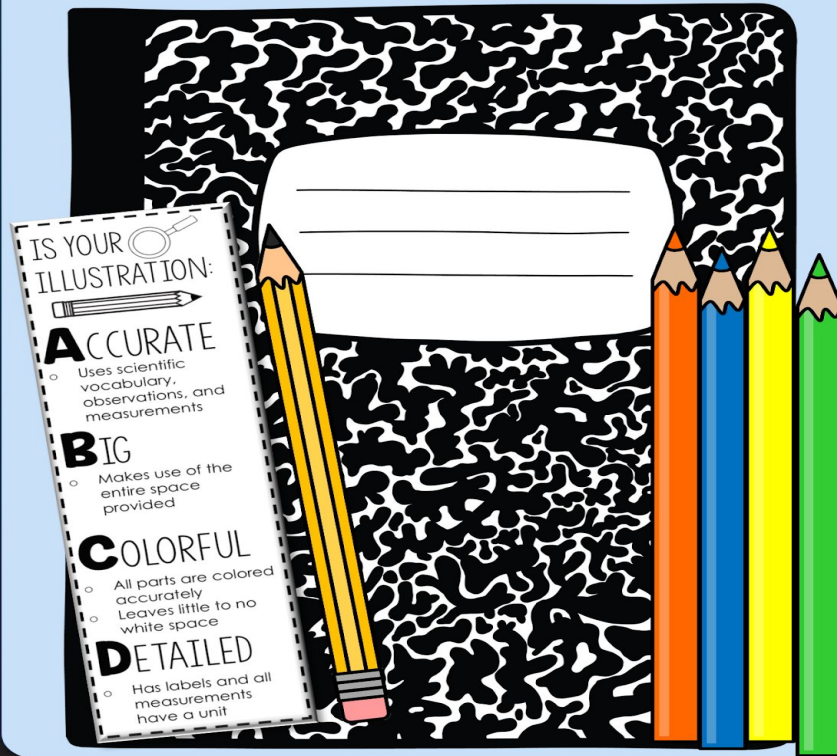
These scientists are observing a new apple variety



These scientists are collecting climate change data in Antarctica



If I were a scientist...



Namecard activity.

Draw yourself as a scientist.

Think about what you might wear and where you might do your work. What kind of scientist would you be?

Use the **ABCD** rules to illustrate.



Safety Rules in the Lab

Hei mahi:

1. Write today's date
2. From the diagrams below, work out what the rules are.

1.



2.



3.



4.



Extension:

Can you add any of your own rules that are not shown here?

Science Lab SAFETY RULES



ALWAYS:

- * Follow all instructions given by the teacher.
- * Wear safety goggles or protective clothing when necessary.
- * Tie back long hair, secure loose clothing, & wear closed-toed shoes.
- * Report accidents, injuries & spills immediately.
- * Keep the lab area clean & neat.



NEVER:

- * Work in the science lab if a teacher isn't there.
- * Touch any materials until you are told to do so.
- * Play around during experiments.
- * Eat, drink, or chew gum during labs.
- * Look directly into a test tube or flask. Instead, look from the side.
- * Taste or smell the chemicals. Instead, carefully waft odors to your nose.



Problem-Solving

Read the scenarios and discuss with your group what the teacher/student should do.

1. You spill a chemical on the desk during a practical. What should you do?
2. You notice a bag in the middle of the floor. What should you do?
3. You feel hungry during a practical. What should you do?
4. You drop a glass beaker on the floor and it breaks. What should you do?

Problem-Solving

Read the scenarios and explain what the teacher/student should do.

1. You spill a chemical on the desk during a practical. What should you do?

Tell your teacher. Clear it up if they tell you to do so.

2. You notice a bag in the middle of the floor. What should you do?

Move the bag to the bag storage area

4. You feel hungry during a practical. What should you do?

Nothing. Wait until break or lunchtime.

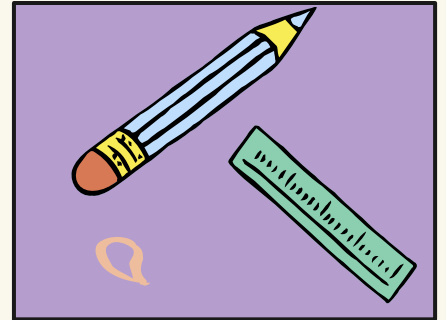
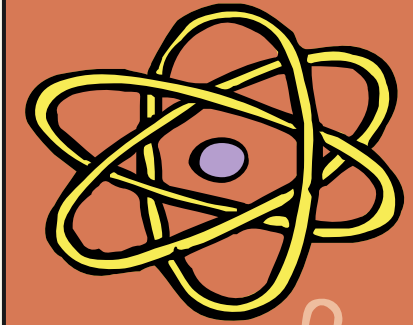
5. You drop a glass beaker on the floor and it breaks. What should you do?
- Tell your teacher. They will brush it up and place it in a glass bin.**

Y7 Science

Hei mahi:

Write in your books:

1. Today's date
2. Today's **Learning intention:** to practise working well as a group on a practical activity



Activity - working as a group!

Our group roles for this task...

Collector 1

Collects the equipment at the start

Leader

Leads the task, makes sure everyone is taking part

Reporter

Shares how it went (written/spoken)

Collector 2

Puts the equipment back

Tidiers

EVERYONE - Helps clean/tidy up

Equipment

- 6 paper/plastic cups
- 1 rubber band tool + string

Collector 1

Collects the equipment

Step 1 - set up your cups in this arrangement



Leader

Begins task

Your challenge

Your task is to transform your cup arrangement into a Pyramid, with 3 cups at the bottom, then 2, then one at the top



Rule! each person is ONLY allowed to touch one of the strings on your rubber band tool

Tidy-up and discussion

Tidiers

Puts equipment back

Everyone

Discuss how it went, what challenges you faced

Reporter

Shares with teacher how your group found the challenge, any difficulties you had



Five star rules for a five star group

What are 5 rules you would give a group in order to work well as a team?