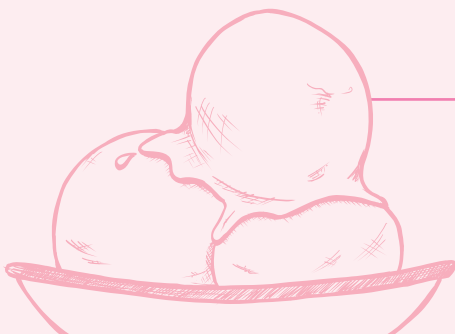


Activity 1.1: STEM roles quiz



To make big discoveries with science, you need diverse thinkers and do-ers with different skills and interests.

Take this quiz and write down the letter that matches your answer on a separate piece of paper.

Then, add together the total amount of each letter you chose to find out which Ice Cream Challenge role is the best match for you.

You're buying an ice cream – how do you choose?

- A. I eat with my eyes! If it looks tasty, I want it.
- B. I go straight to the weird and wacky flavours.
- C. I like ice cream with chunks – cookies, sprinkles, and sauce, yes please.
- D. I grab something from the dairy freezer. Ice cream on a stick all the way.

What class do you always look forward to?

- A. Drama – the stage is my second home.
- B. Maths – numbers are my thing.
- C. Technology – I'm a champ on a computer.
- D. Science – I want to know everything about everything.

Which event are you hosting at school?

- A. Arts and crafts expo.
- B. Math Olympics.
- C. Robotics competition.
- D. Science fair.

What dessert are you bringing for shared lunch?

- A. Colourful pavlova.
- B. Something with a unique flavour.
- C. A smooth cheesecake.
- D. I'm more of a savoury person.

What's your go-to role in a class project?

- A. Tester – I make sure the idea works.
- B. Idea innovator – I dream up the idea.
- C. Creator – I bring the idea to life.
- D. Project manager – I make sure things run smoothly.



What STEM project would you like to work on?

- A. Creating a perfume to gift to my whānau.
- B. Making vegetables taste like my favourite snack.
- C. Inventing a new video game.
- D. Designing a machine to clean my room.

You're in charge of levelling-up ice cream. What do you do?

- A. Add sprinkles for a pop of colour.
- B. Design a flavour inspired by my favourite place.
- C. Create a machine that makes ice cream in 2 minutes.
- D. Invent ice cream that stays safe and doesn't melt outside of the freezer.

What can you be found doing on your lunch break?

- A. Playing outside.
- B. Snack swapping.
- C. Building a LEGO tower.
- D. Organising a school event.

What's your favourite way to learn something new?

- A. Give it a go.
- B. Listen to someone explain it.
- C. Create something to test the idea.
- D. Write notes and research.

Your Ice Cream Challenge role:

If you got mostly As:

Sensory Scientist

Goal:

Make the ice cream smell and look yummy

Tasks:

- Help choose colours and presentation
- Use ingredients creatively to give the ice cream a delicious smell!

If you got mostly Bs:

Flavour Chemist

Goal:

Create exciting flavours for the ice cream

Tasks:

- Dream up flavour ideas
- Mix flavours and test how they taste together

If you got mostly Cs:

Texture Technician

Goal:

Make sure the ice cream is smooth and creamy

Tasks:

- Decide on the best method for a creamy base
- Help choose what add-ins to put in the ice cream

If you got mostly Ds:

Hygiene Hero

Goal:

Keep the ice cream safe to eat

Tasks:

- Check that everything is clean and safe
- Stop germs from growing in the ice cream

If you've got a mix of everything

It's your lucky day! A lot of STEM jobs use a mix of science, technology, engineering and maths smarts which means your skills could be used anywhere. You were born to work in STEM.





Choose your role

Now it's time to lock in your Ice Cream Challenge role. Your quiz results may help you choose, or you might choose something totally different!

Form your rōpū (team) of around 4 classmates, come up with a sweet name and give out roles to each member.

Ice cream factory
(your school):

Rōpū name:

Sensory Scientist:

Flavour Chemist:

Texture Technician:

Hygiene Hero:

Ice Cream
Experts

Kaiako:

Ambassador:

