



Rocket Challenge

Welcome to the Rocket Challenge

Video transcript

Kia ora e hoa mā, ko Haritina tōku ingoa.

I'm Haritina, and I'm an Astrobiologist.

Welcome to the Wonder Project Rocket Challenge.

I'm here to... Sorry, one second, I'm getting a call from Mission Command.

Yes? You've got an important problem to solve?

It can only be solved by a special force of ākongā?

I have just the people for the job.

E hoa mā, Mission Command needs your help.

They want you to investigate an important pātai, or question, to help them explore space. The pātai is:

I wonder how rockets fly?

I bet you're thinking... but Haritina, surely Mission Command already knows how rockets fly.

And you'd be right.

But to discover how to make them even better, it's helpful to explore how they work, and what they're used for.

Rockets are used for lots of things! Liiiiike...

Launching satellites that give us data on things like animals, land and climate change.

Sending people into space to make ground-breaking discoveries at the International Space Station.

And exploring parts of the Universe that no one has ever seen before!

So, who are the incredible humans making these things happen?

Why, STEM superstars of course!

STEM???

STEM stands for science, technology, engineering and maths.

People with STEM jobs have an important set of skills that help us solve challenges here on Earth, and beyond.

Skills like:

Teamwork

Creativity

And problem solving.

I've selected you all for this mission because I know you have what it takes to harness these skills and help answer the challenge pātai.

I wonder how rockets fly?

Your mission is to design and build the ultimate water rocket.

You'll investigate what it takes to launch a rocket sky high using the power of science, technology, engineering and maths (STEM), to help out the rōpū at Mission Command.

Are you ready space crew?

Karawhiua! You've got this.