Wonder Project

Rocket Challenge

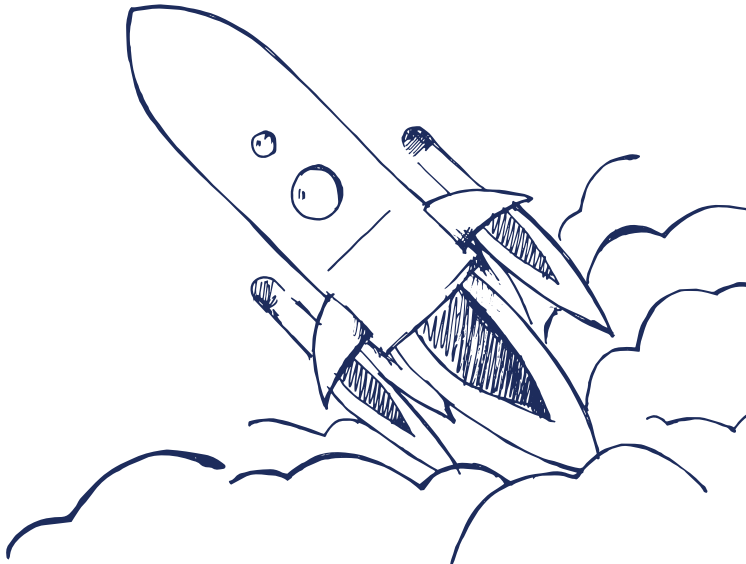
Ākonga reflection template

engineering new zealand
te ao rangahau

Guidance for kaiako

This reflection template gives ākonga the opportunity to critically reflect on their mahi and have agency over their successes and areas to work on.

You can either upload this file digitally or print and give to ākonga after each module. The space provided for answers is open to interpretation, meaning ākonga can voice record their ideas, write or draw.



Module 1: Mission Command
reflections

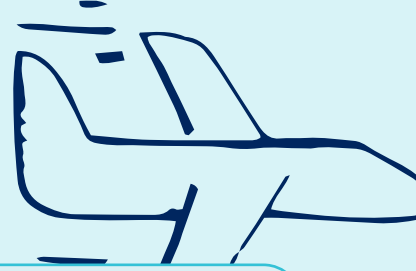
What do you know about engineers?

I wonder...

Two challenges

Two highlights

Module 2: Fly
reflections



What do you know about variables?

How do you think your rocket could be improved after watching the test flight?

Two challenges

Two highlights

Module 3: Force
reflections

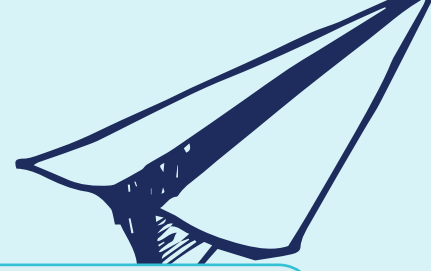
Newton's first law is that every object will remain at rest or keep moving forever at the same speed and in a straight line unless another force acts on it. **What is an example of this in action?**

Explain why you chose some of your rocket design features.

Two challenges

Two highlights

Module 4: Aerodynamics
reflections



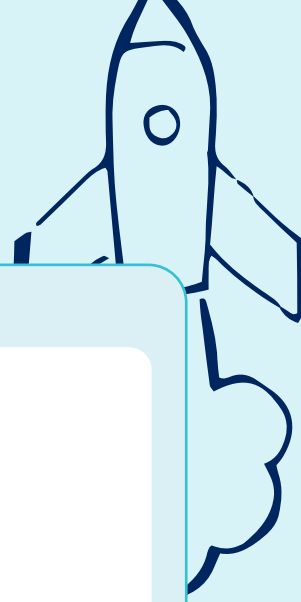
Newton's second law is force = mass x acceleration. **What is an example of this in action?**

What do you know about aerodynamics?

Two challenges

Two highlights

Module 5: Thrust
reflections



Newton's third law is that for every action there is an equal and opposite reaction. **What is an example of this in action?**

What did the data you collected show or tell you?

Two challenges

Two highlights

Module 6: Blast Off!
reflections

Why do you think your rocket flew the way that it did?

Do you think the changes you made to your rocket worked? Why?

Two challenges

Two highlights