



Wonder  
Project

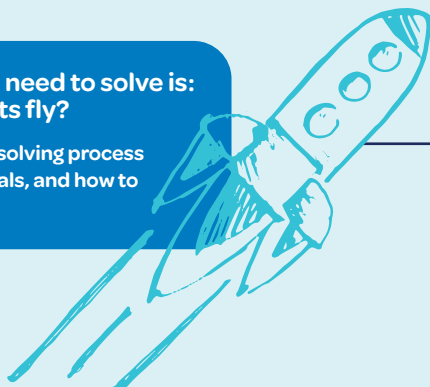
## Rocket Challenge

### Mission Brief 2: Ask

**The big problem we need to solve is:  
I wonder how rockets fly?**

Let's start the problem-solving process  
by thinking about our goals, and how to  
achieve them.

**Engineers love to solve problems.  
They use their curiosity and ask  
a lot of pātai to help them figure  
out why some things work, and  
why other things don't.**



#### **I wonder what our goals are?**

For the Rocket Challenge, the main goal  
is to fly a rocket successfully.

As a crew, decide what a successful  
rocket flight means to you. Write your  
ideas in the box below.

*E.g. Our goal is to get our rocket  
to fly higher than the goal posts  
on the school field.*

#### **I wonder what pātai to ask?**

What do you need to know more about  
to achieve your goals?

Time to ask lots of pātai about why things  
work, to help us solve our problem.

*E.g. I wonder how rockets  
lift off the ground?*

#### **I wonder what problems we'll need to overcome?**

Thinking about potential problems now  
will help you find a solution faster.

*E.g. I wonder if our school field  
is big enough for launch?*

### **Ka rawe!**

Keep your pātai handy as you work  
through the challenge. You never know  
when you'll discover an answer.