



Wonder  
Project

## Power Challenge

## Activity 1.1: Ask

**STEM superstars start their projects by asking lots of pātai. This helps them understand the problem they're trying to solve.**

**The big problem you need to solve is:**  
***I wonder how to power a brighter future?***

Let's start by thinking about your goals and how to achieve them.



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

The main goal is to successfully power a hapori (community) with renewable energy using a wind turbine and solar panel.  
What does success mean to your rōpū?

*E.g. Our goal is to power the entire hapori with wind energy alone.*

### **I wonder what pātai to ask?**

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

*E.g. I wonder how wind is turned into electricity?*

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

What potential problems can you think of now to help you find a solution faster?

*E.g. I wonder how we could improve our design if it doesn't generate enough power?*