



Wonder  
Project

## Water Challenge

### Activity 2.2: Wai network plan

**Get your imagination  
flowing and plan a wai  
network to solve your  
challenge scenario!**

The wai network plan will help you  
decide where to put each part of  
your network, what resources to  
use, and how to connect them.

#### Step 1: Imagine

In your rōpū, arrange the imagine cards from your kit into a wai network plan to solve your challenge scenario.

Your plan should include each stage of the journey of wai and consider the pipes and connectors you'll use to supply the right wai ratios to your hapori.



Collect

Catchment  
River



Clean

Treatment plant  
Water reservoir



Connect

Pipes  
Connectors



Care

#### Your challenge scenario

Hapori connection point 1  
(% and ml)

Hapori connection point 2  
(% and ml)

## Step 2: Plan

Once you've created your wai network plan with the imagine cards, draw and label it in the box. Your drawing should include:

- The resources you've chosen to use
- The measurements of each pipe (mm)
- The percentage of wai your hapori is supplied (%)
- The elevation of each part of your network (are they higher or lower than other parts)

How will this plan solve your challenge scenario?



What materials do you need to collect to bring your plan to life?

