

## **Pre-Visit Learning Activity Ideas**

### **Activity Sheets**

Complete activity sheets before visiting the Tongariro National Trout Centre.

### **On line multi choice test**

Complete the on line multi-choice test located under the 'Fishery Facts' heading of this website.

### **What I expect**

Cover a classroom wall with a large sheet of paper at student height. On this paper students can write their expectations of their visit to the Tongariro National Trout Centre.

### **What I wonder**

Begin an ideas chart headed "I Wonder". Students can write up questions that they want answered when they make their visit.

## **Post – Visit Learning Activity Ideas**

### **Trout and other aquatic life**

Construct a word chart of all the new and interesting words that you learned during your visit at the Tongariro National Trout Centre.

Tell a story about what life is like for a trout living in Lake Taupo. Start the story from when the trout's egg hatches in the river to the time it first swims up the river to spawn. You might want to use the 'life cycle of a rainbow trout' diagram which is located under Fishery Facts section of this website.

List all the fish, insect and plant life that students learned about during their visit. Use this information to draw a food web diagram for the Lake Taupo ecosystem.

Find out about technology used to look after the trout population in Taupo. Use the Fishery Facts section in this website or the DOC website [www.doc.govt.nz](http://www.doc.govt.nz) to help get you started.

### **Water quality and resource use**

Brainstorm all the different ways that people use freshwater environments like Lake Taupo and the Tongariro River. Discuss how these uses can threaten freshwater environments. Create a list of ways that describe how people might minimize harmful human impacts.

Discuss what might happen to the trout if humans allow Lake Taupo to become polluted. Write a poem or lyrics for a song or a rap about how you feel about this.

Discuss what is meant by 'sustainable use of resources'. How does this relate to the Taupo Fishery?

Make a mobile to hang from your classroom that has pictures of all different types of renewable resources and include the word 'sustainable' in it.

Adopt a school policy that helps to look after the freshwater resource at your own school. Contact the Department of Conservation Fishery educator or your local council for more information.

**Fly-fishing**

Design an insect that might be used as a fly for fly-fishing. Use pipe cleaners, thread, feathers, fur or anything else to help create an imitation your insect.

Create a recipe for cooking trout.

**Working at the Department of Conservation**

Write an entry from a Department of Conservation Fishery ranger's journal. Include information about all the different types of jobs that they have to do as part of their job to help look after trout.

**Important places/events**

Brown and rainbow trout were introduced into New Zealand in the late 1800's. Investigate where these trout were from, why New Zealand settlers wanted trout in the waterways and how they went about doing this.

Imagine that you are an early settler to the Turangi area one hundred years ago. Describe what it was like to live there, what challenges you faced and what you did to resolve them.

Investigate why the Tongariro River would have been an important place in the past and now.