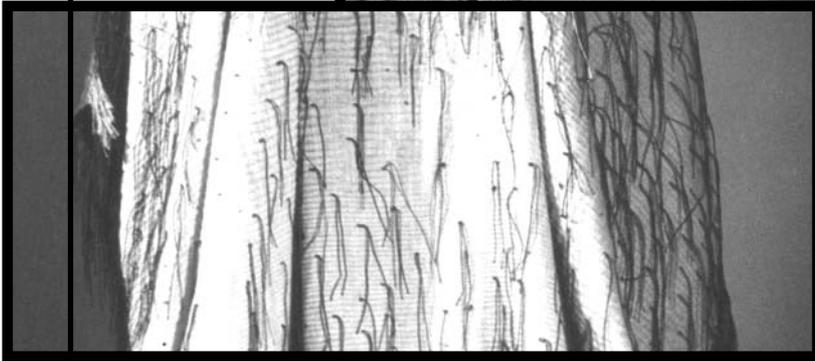
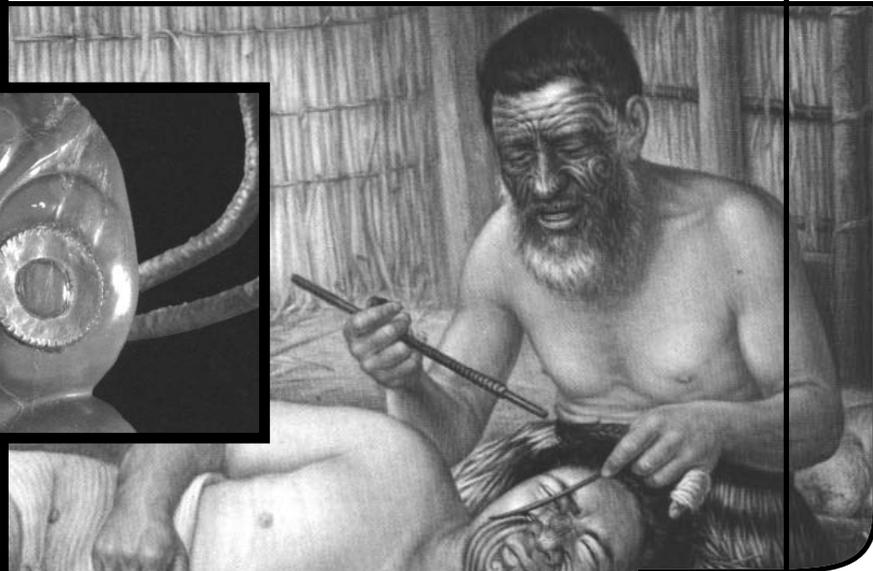
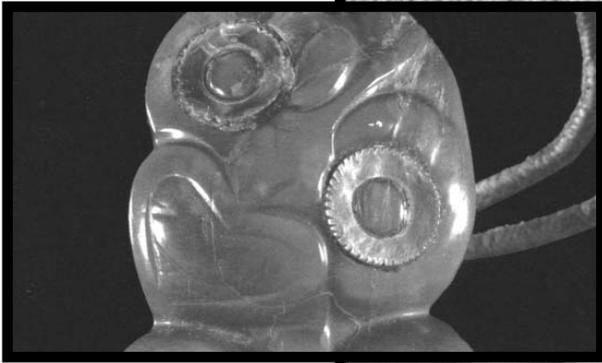


Auckland Museum

Maori Technology  
**TE AO KOHATU**

*e d u c a t i o n* **k i t**

*Tamaki Paenga Hira*



ACTIVITY SHEETS YEARS 1 TO 10

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**INTRODUCTION TO THE RESOURCE:**

The education resources provided by Auckland War Memorial Museum focus on specific galleries or on specific exhibitions in those galleries. There are a small number of resources that were developed for exhibitions that are no longer present but which have been maintained on the website by popular demand.

Visiting education groups may look to request the following learning opportunities:

- Self-conducted visits based on supporting resource materials.
- Gallery Introduction with a Museum Educator or trained guide (approx 15 minutes), using resource materials. Longer gallery tours and Highlights Tours are also available.
- Hands-on activity session for school groups with a Museum Educator (approx 45-50 mins), using resource materials. Students have the opportunity to handle real or replica items from museum collections,

Sessions will be tailored to suit the level and focus of the visiting group.

**ABOUT THIS EDUCATION RESOURCE:**

This kit has been designed to meet the needs of a wide range of education groups.

The kit is in three separate sections and includes:

1. Teacher Background Material suitable for all levels
2. Curriculum Links from Preschool to Adult (these are still under development)
3. Pre and Post Visit Activities and Gallery Activity Sheets

Some education services at Auckland Museum are provided under a contract to the Ministry of Education under the LEOTC programme and Ministry support is gratefully acknowledged.

**BOOKING INFORMATION**

All education group visits must be booked.

Phone: 306 7040 Fax: 306 7075

Email: [schools@aucklandmuseum.com](mailto:schools@aucklandmuseum.com)

Service charges apply to education groups depending on the level of service required.

Numbers and Adult/Child ratios:

Preschool 1:3 or better

Y 1-6 1:6

Y 7-8 1:10

Y 9-13 1:30

All groups including Adult groups ought to be accompanied by their teacher or educator.

Adult/child interaction is vital to maximize the value of the museum experience. Group leaders need to have some background knowledge of what the students are expected to cover and they do need to participate in the introduction process on arrival. Knowing about the expectations of the class teacher and the museum will make the visit smoother for everyone.

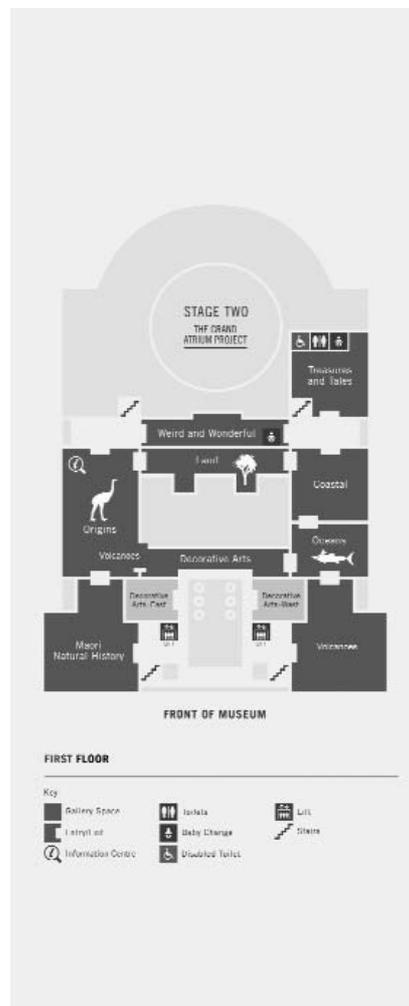
[www.aucklandmuseum.com](http://www.aucklandmuseum.com)

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# Introduction

## AN INTRODUCTION TO TE AO KOHAU

The Maori who first came to New Zealand had to adapt to a colder climate with unfamiliar natural resources. Warmer clothes had to be made, new horticultural techniques had to be developed and food had to be stored. New materials such as flax and pounamu (greenstone) were readily taken advantage of.



Te Ao Kohatu Y 1-3

## Gallery Activity Sheet

### M AORI GALLERY (GROUND FLOOR)

#### 1. Tools

Find a tool that would be good for chopping down a tree.

#### 2. Pa Model

##### Find:

- people chopping a tree to make a canoe
- children flying a kite
- something to catch fish with

#### 3. Fishing

You are going to catch fish for the tribe. Find something you would use to catch a really big fish. What else could you use to catch fish?

#### 4. Gourd

You are going to collect water for the tribe. Find something that would be good to carry water in.

#### 5. Canoe – Te Toki a Tapiri

This canoe could fit one hundred warriors.

Find something to paddle the canoe.

Find something to scoop water out of the canoe.

#### 6. Flax

Maori made many things from flax such as baskets, mats and piupiu (flax skirt). Find some things made out of flax. Write down some of the names.

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#### 7. Feathered Cloak

Find a feathered cloak. What made this cloak warm to wear?

### M AORI NATURAL HISTORY GALLERY (TE AO TUROA – MIDDLE FLOOR)

#### 1. Gardens

You are going to help work in the kumara gardens. What tools could you use to dig in the ground?

#### 2. Fire

Watch the video on fire. You are going to make a fire for the tribe, how would you make it?

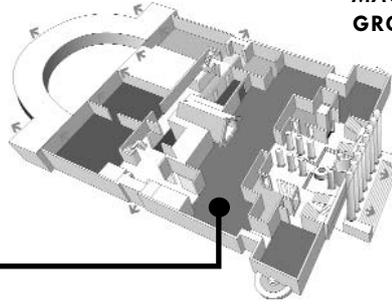
#### 3. Hangi

Find the hangi.

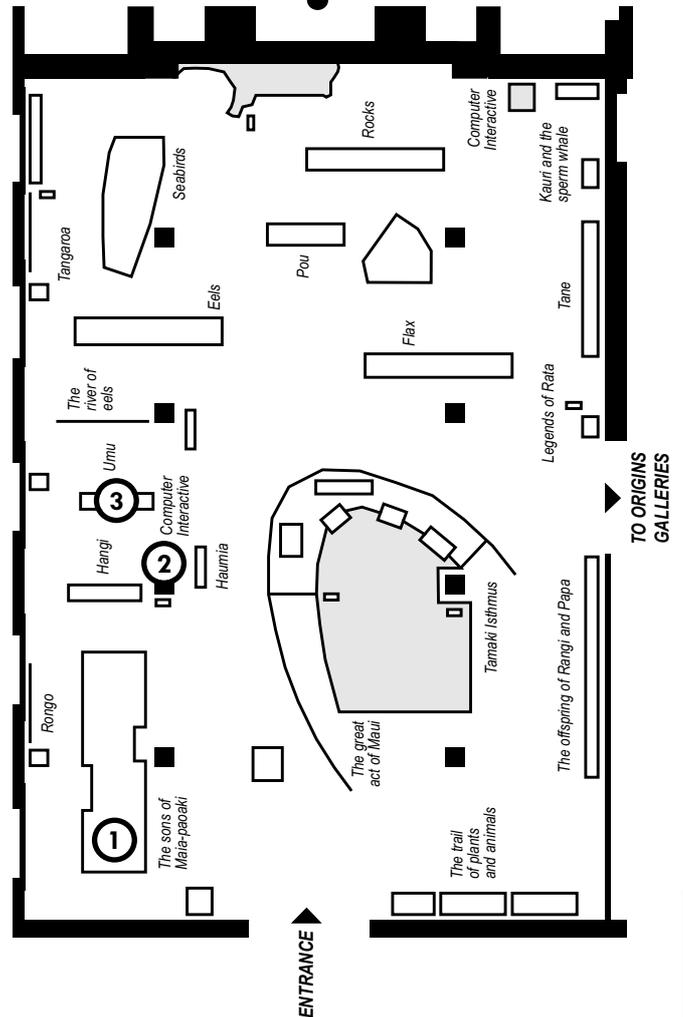
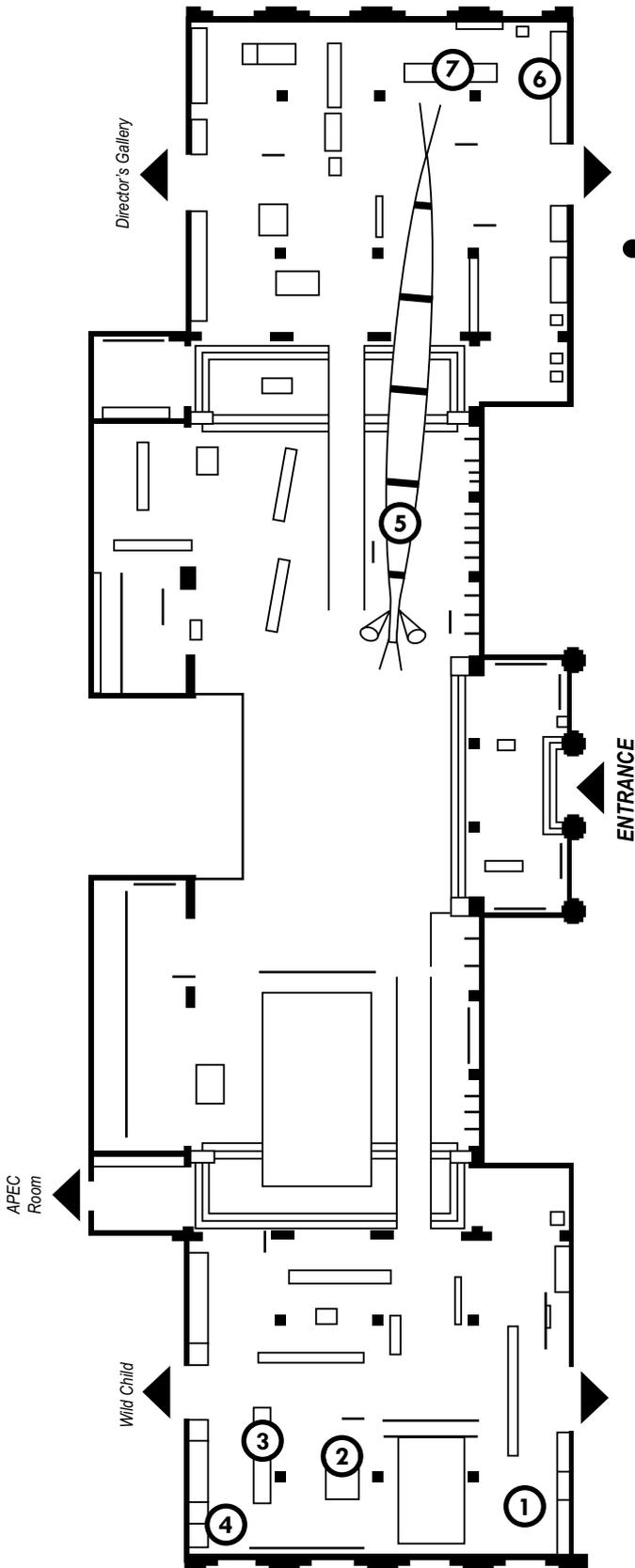
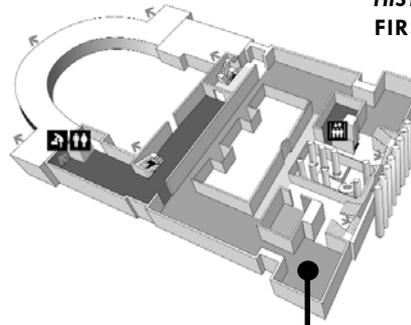
You are going to make a hangi to cook the food for the tribe. First you dig a big hole in the ground. Then you light a fire in the bottom of the hole. What other things do you put in the hole to make the hangi?

# Gallery Activity Sheet

**MAORI GALLERY  
 GROUND FLOOR**



**MAORI NATURAL  
 HISTORY GALLERY  
 FIRST FLOOR**



Te Ao Kohatu Y 4-6

# Gallery Activity Sheet

## M AORI GALLERY (GROUND FLOOR)

### 1 Tools

Find a tool that would be good for chopping down a tree. What is it called?

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Find a stone that is very sharp and would be good for cutting flax.

Find a tool that could be used for making holes. How do you think it works?

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Find some holes that were made with it.

### 2 Pa Model

Find

- people collecting stones to make tools
- a canoe being made
- equipment to catch fish

What is being done to the fish to preserve them over winter so they don't rot?

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### 3 Fishing

Draw something used to trap fish. What is it called?

Describe how it works and what it was made from.

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### 4 Birding

Draw a bird trap, name it, describe how it works and

what it was made from.

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# Gallery Activity Sheet



## 5 Gourd

Gourds were used to store birds in.

How was the gourd decorated to show what bird it contained?

What else could a gourd be used for?

## 6 Buildings

Maori did not have metal, so there were no nails or screws to hold the buildings together. Look at the buildings and canoe. How are they held together?

What other things in the gallery have been made out of flax?

## MAORI NATURAL HISTORY GALLERY (TE AO TUROA – MIDDLE FLOOR)

### 1 Kumara storage pit

Kumara were stored in pits in the ground over winter.

What stops the rain from entering the pit?

What was used as bedding to stop the kumara getting too cold and dying?

### 2 Fire

Watch the video on fire. How did Maori make fire?

What was used for lighting at night?

### 3 Hangi

What heats the hangi?

What covers the hangi to keep the heat in?

### 4 Flax

Flax was very important to Maori. Find some things it was used for.

Inside a flax leaf there is something that looks like hair, called muka. Find some muka. What can muka be used for?

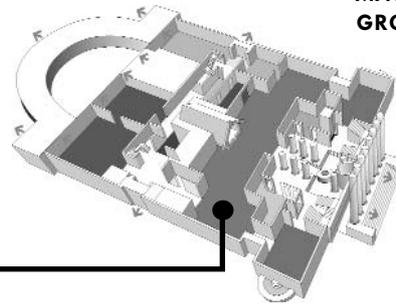
### 5 Making stone tools

Stone tools were made sharp by rubbing them on a rough stone called sandstone. Find a big piece of sandstone that has big grooves in it from sharpening tools.

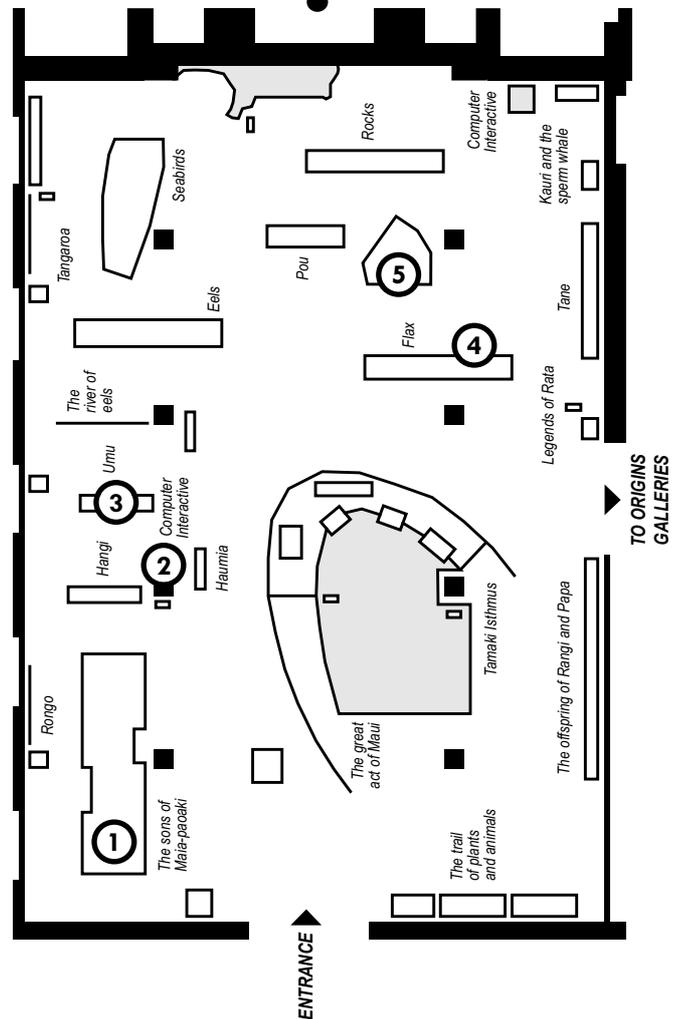
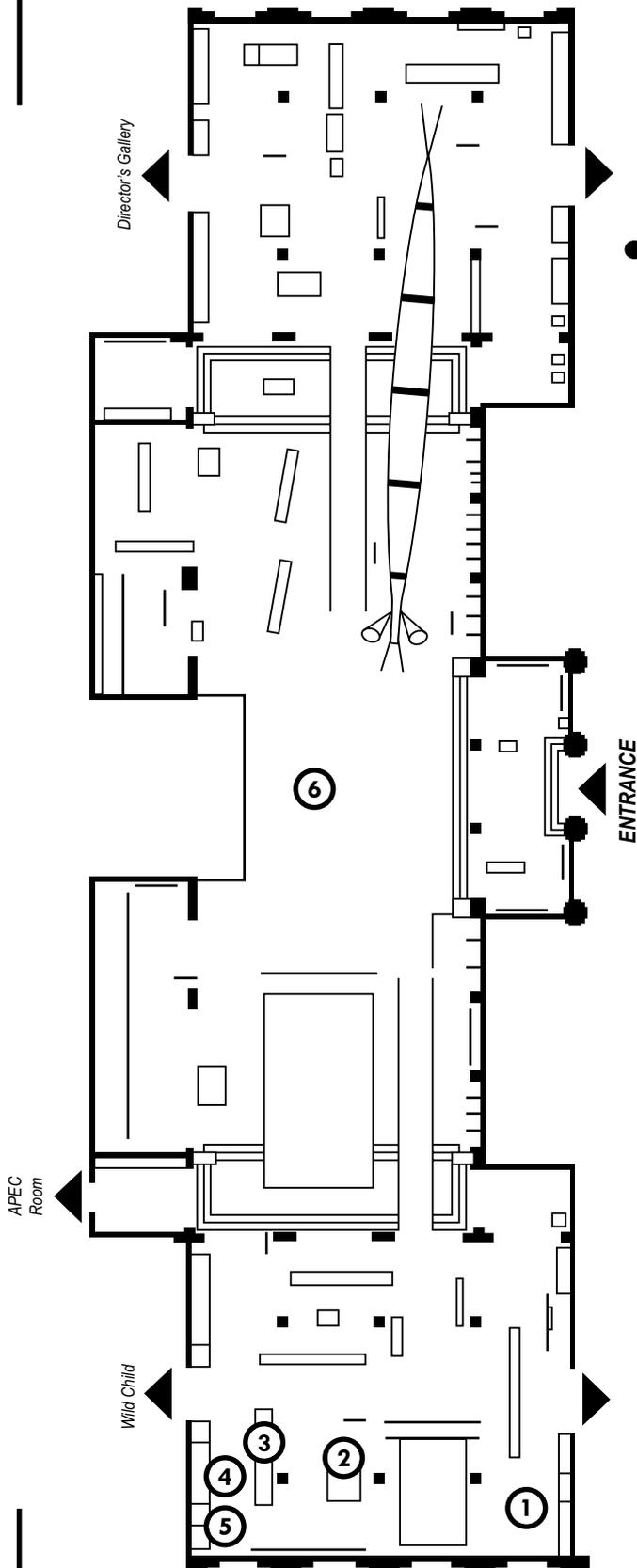
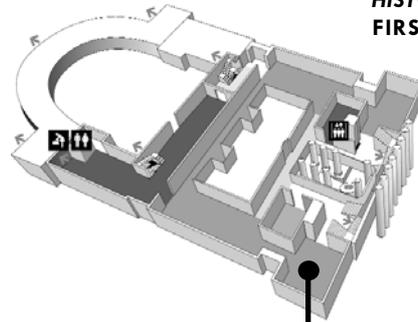
Find some tools that would have been sharpened on a stone like this one.

# Gallery Activity Sheet

**MAORI GALLERY  
GROUND FLOOR**



**MAORI NATURAL HISTORY GALLERY  
FIRST FLOOR**



# Gallery Activity Sheet

## M AORI GALLERIES

### 1 Tools

Find a tool that functioned in a similar way to an axe.

Describe how you think the stone blade was made. \_\_\_\_\_

Find a stone that would be good for cutting flax.

Find a tool that was used for making holes. How do you think it worked?

Find some holes that were made with it.

### 2 Pa Model

What features help defend the pa? \_\_\_\_\_

Why are fish being dried in the sun? \_\_\_\_\_

Find a place where stones are being collected to make tools.

### 3 Fishing

Draw a fish trap. Name it. Describe how it worked and what it was made from.

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### 4 Birding

Draw a bird trap. Name it. Describe how it worked and what it was made from.

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### 5 Gourd and bark basket

Gourds were used to store birds in.

The birds were first cooked, why was this important before storing them?

How is it labelled so you can tell what bird is inside? \_\_\_\_\_

Find a basket made from bark

How do you think the bark was softened to bend it in the desired shape?

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Te Ao Kohatu

Y 7-10

## Gallery Activity Sheet

### 6 Buildings

Maori did not have metal, so there were no nails or screws to hold the buildings together. Look at the buildings and canoe. How were they held together?

What other things in the gallery have been made from flax? \_\_\_\_\_

### MAORI NATURAL HISTORY GALLERY (TE AO TUROA – MIDDLE FLOOR)

#### 1. Kumara storage pit

Kumara were stored in pits in the ground over winter.

What was used as insulation and to remove moisture? \_\_\_\_\_

Why was it important that the kumara did not become damp? \_\_\_\_\_

Find the mounds of earth where the kumara are growing nearby. What has been placed in the soil to absorb the sun's energy and warm the growing kumara?

#### 2. Fire

Watch the video on fire. How did Maori make fire? \_\_\_\_\_

What was used as lighting at night? \_\_\_\_\_

#### 3. Hangi

The food in a hangi is cooked using steam. How is the steam made?

The stones used in the hangi were chosen for particular properties.

What properties were important?

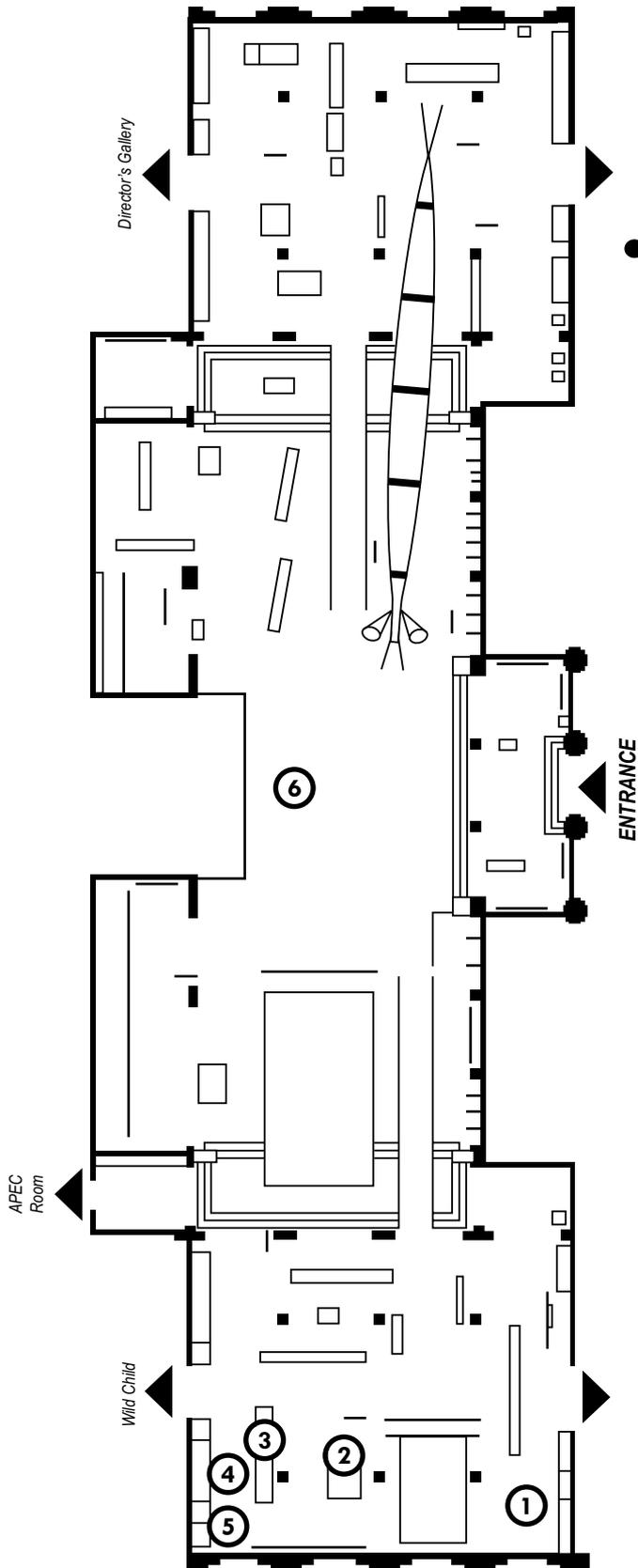
What stops heat and steam escaping from the hangi? \_\_\_\_\_

#### 4. Flax

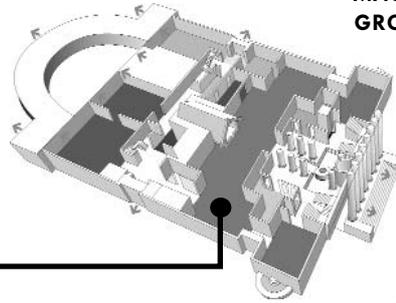
The inside of a flax leaf is filled with hair-like fibres. The outer part of the leaf can be scraped off and the inside fibres can be used. What were these fibres used to make?

Some flax has been dyed. How was it dyed? \_\_\_\_\_

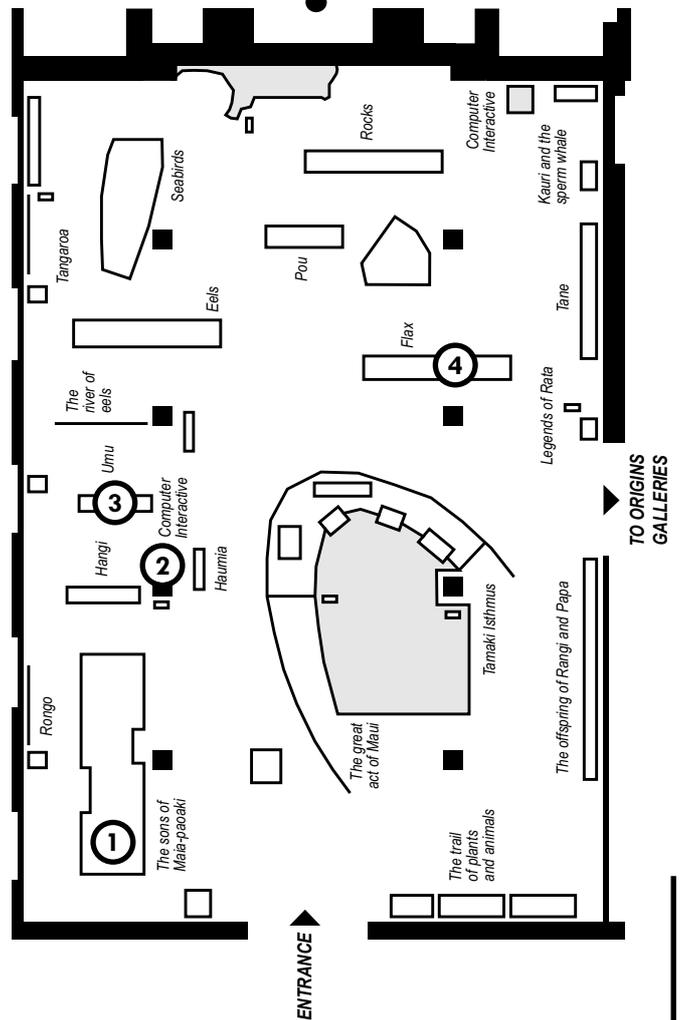
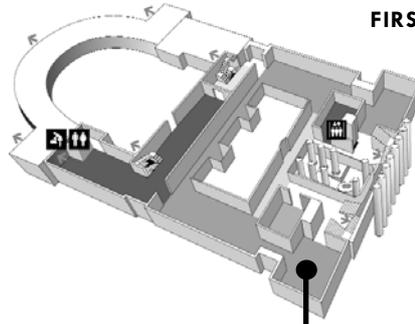
# Gallery Activity Sheet



**MAORI GALLERY  
 GROUND FLOOR**



**MAORI NATURAL  
 HISTORY GALLERY  
 FIRST FLOOR**



Recorded information: (09) 306 7067  
Administration: (09) 309 0443 Fax (09) 379 9956  
School Bookings: (09) 306 7040 Fax (09) 306 7075  
Email: [schools@aucklandmuseum.com](mailto:schools@aucklandmuseum.com)

[www.aucklandmuseum.com](http://www.aucklandmuseum.com)

**AUCKLAND MUSEUM**  
The Domain Auckland  
Private Bag 92018 Auckland New Zealand

