



Student activities

# Tiritiri Matangi

An education resource for schools



Department of Conservation  
*Te Papa Atawhai*

## To the students who will use this kit:

We hope you will be inspired by the Tiritiri Matangi story and become enthused as future caretakers of your environment.

## Acknowledgements

Published by the Auckland Conservancy  
of the Department of Conservation  
Private Bag 68 908, Newton, Auckland 1145  
Phone (09) 307 9279, Fax (09) 377 2919  
www.doc.govt.nz

First edition November 2007  
Revised June 2009

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and Ali Teo (cartoons)

**Design:** Verso Visual Communications

**Printing:** Printcare  
Printed on chlorine-free paper

ISBN: 978-0-478-14263-1



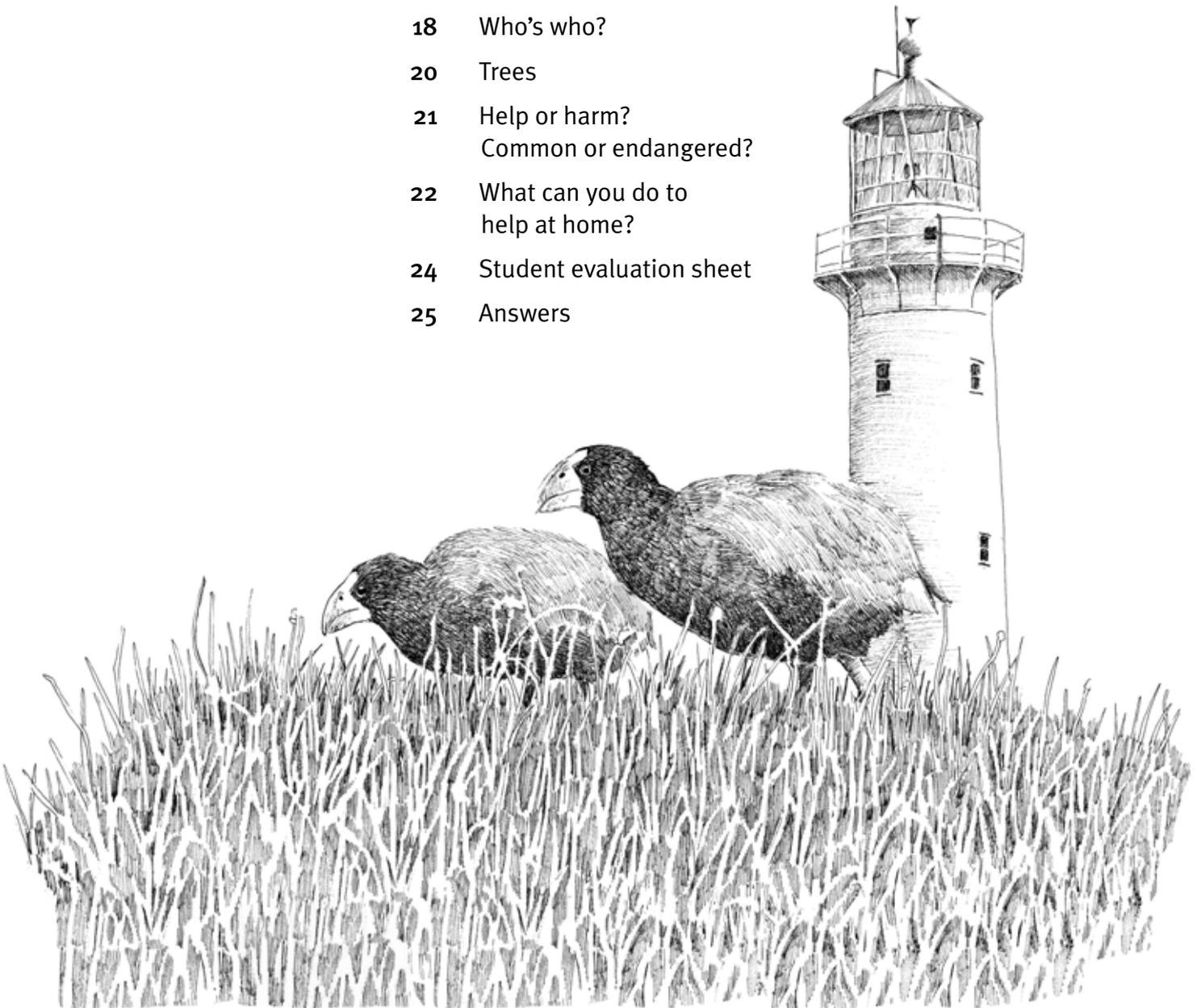
Department of Conservation  
*Te Papa Atawhai*

New Zealand Government



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# Lunchtime activities

## 1 Inside the centre

Laminated activity sheets are available on the island by request. Contact the guiding co-ordinator, ph 09 476 0010 [manager@tiritirimatangi.org.nz](mailto:manager@tiritirimatangi.org.nz)

## 2 Outside the centre

To find the answers to these questions, take a walk around the lighthouse, the fence line that lies between the watchtower building and the south-eastern paddock, the picket fence and hedge alongside the DOC house, the area in front of the shop, and the courtyard behind the Visitor Centre.

### The lighthouse:

In what year was the lighthouse built? \_\_\_\_\_

Where was it built? \_\_\_\_\_

How tall is the lighthouse? \_\_\_\_\_



### Signs on the fences:

Attached to the white picket fence around the rangers' house there is a cartoon sign. What does the sign warn you about?

\_\_\_\_\_

Also attached to the white picket fence round the house (towards the public toilets area) there is a photo. What is the photo of? How many people are in the photo?

\_\_\_\_\_

### Courtyard signs:

How many different large colourful signs are there around the outside courtyard of the Visitor Centre? \_\_\_\_\_

(a) Takahe/pukeko sign

Name the four illustrated differences between takahe and pukeko.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



(b) Takahe story sign

When were the takahe rediscovered? \_\_\_\_\_

Where were they rediscovered? \_\_\_\_\_

Who found them? \_\_\_\_\_

Name two causes of takahe decline \_\_\_\_\_

\_\_\_\_\_

(c) Honeyeaters signs

How many honeyeaters are listed, and what are their names?

\_\_\_\_\_

How do the honeyeaters help the ecology of the forest?

\_\_\_\_\_

Name one way you could help New Zealand's honeyeaters.

\_\_\_\_\_

One of the honeyeaters signs has an illustration of a predator.

What is that predator?

\_\_\_\_\_



**Brown teal/pateke signs:**

When do pateke feed? \_\_\_\_\_

Why are pateke easy prey for cats and dogs in areas where there are people?

\_\_\_\_\_

Where is New Zealand's biggest population of pateke?

\_\_\_\_\_

Name one way you could help pateke.

\_\_\_\_\_



**Kiwi signs:**

What are the five headings on the 'curiosities' sign?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

How many different kiwis are listed? \_\_\_\_\_

**Kokako recovery sign:**

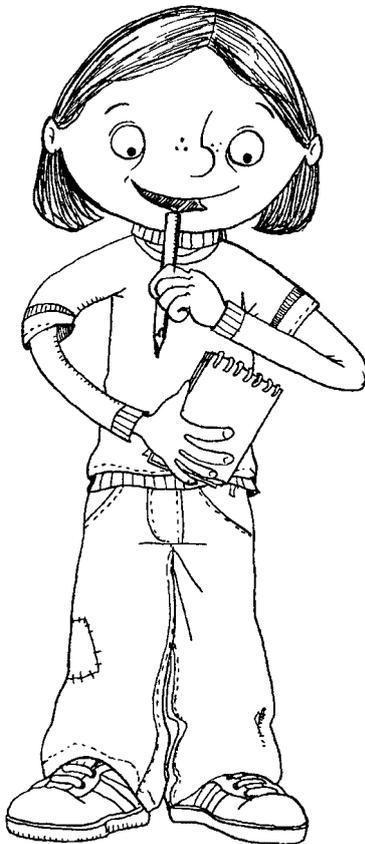
What are the 'continuing threats' listed on this sign?

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Name three animals which have a bad effect on kokako numbers.

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# Make a pudding for birds

## You will need:

A pot

2 or 3 1kg plastic honey or yoghurt pottles

A spatula

500g dripping (fat)

stale bread, cake, raisins, broken biscuits, canary seed

bacon rinds, cooked meat scraps, cooked rice

a plastic net bag with small holes (e.g. golden kiwifruit bag)

string

large nail



- 
- 1 Chop up the dripping and melt it in the pot.
  - 2 Add bacon rind and/or meat scraps
  - 3 Crumble the bread and cake into a bowl and add birdseed, raisins and broken biscuits.
  - 4 Add the dry ingredients to the melted fat in the pot. Stir. Keep adding dry ingredients until the pudding looks a bit oozy when pressed with the spatula.
  - 5 Pour the mixture into the pottles and leave in the fridge to set.
  - 6 Run hot water over the outside of the pottles to help release the pudding, and put the pudding into the net bag.
  - 7 Tie strong string to the bag, and suspend the pudding up high enough to prevent cats catching the birds.

# Ask an expert

In your study of endangered endemic birds on Tiritiri Matangi, what questions would you like to ask the people who look after them?

Questions about takahe

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Questions about hihi

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Questions about tieke

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Questions about toutouwai

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Questions about kokako

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Questions about kiwi

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Questions about pateke

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Questions about . . . (your choice)

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# Traditional foods of Maori

**Research question:** Tiritiri Matangi was used by Maori searching for food supplies. What foods do you think were gathered by Maori from the island's bush, streams and the surrounding sea?

**Fish / animals:**

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**Plants:**

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**Other:**

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# Tiritiri Matangi word search

T	A	K	A	H	E	T	O	U	T	O	U	W	A	I	L
O	U	O	W	L	P	I	W	A	K	A	W	A	K	A	I
M	R	A	Y	S	U	G	E	C	K	O	B	R	I	K	G
T	O	M	T	I	T	P	U	R	I	R	I	U	W	A	R
I	U	N	I	A	U	Q	U	A	I	L	R	R	I	K	T
T	M	I	R	O	R	O	B	I	N	H	D	U	F	A	H
F	A	S	I	A	R	A	P	U	K	E	K	O	E	F	O
L	T	K	T	K	A	K	A	R	I	K	I	A	R	R	U
A	A	I	I	M	A	H	O	E	T	U	I	T	N	A	S
X	T	N	R	B	E	L	L	B	I	R	D	E	S	H	E
R	A	K	I	P	O	H	U	T	U	K	A	W	A	W	A

Can you find these animals, birds, plants, trees or places in the word search above?

TAKAHE

POHUTUKAWA

RURU

PIWAKAWAKA

KAKARIKI

RAYS

QUAIL

FLAX

WHARF

TUATARA

KIWI

TOUTOUWAI

MAHOE

PURIRI

BELLBIRD

ROBIN

TIRITIRI

TUI

PUKEKO

KAKA

SKINK

MATATA

OWL

MIRO

GECKO

FERNS

WETA

LIGHTHOUSE

BIRD

TOMTIT (2)

# Bird behaviour chart

Observe and gather data on social interactions between birds of the same species. Use a record sheet such as this.

- Using a watch, take a sample of a single bird's behaviour at regular intervals (e.g. every minute, on the minute).
- Select a time interval that suits the nature of the behaviour and the time available to you.
- It is useful for a number of people to study a group at the same time, each observing a different bird, to allow comparisons and provide a total picture of group interactions.
- Use the codes listed to classify the types of behaviour.
- Present the results in table and/or graph format.

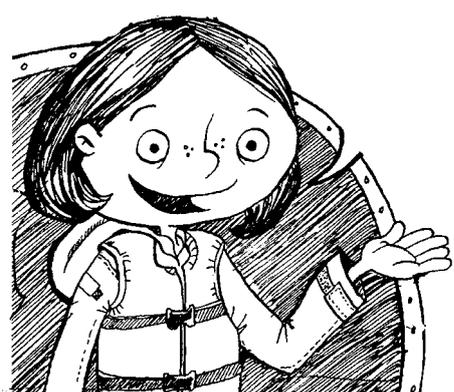
Behaviour codes		Location codes	
R	resting	A	airborne
F	feeding	FF	forest floor
Pr	preening	WT	water trough
Fl	flying	U	understorey
Wl	walking/hopping	C	canopy
Ag	aggression	T	track
Sb	submission	F	feeder
OS	other social interaction	O	open country

1	11	21
2	12	22
3	13	23
4	14	24
5	15	25
6	16	26
7	17	27
8	18	28
9	19	29
10	20	30

Species \_\_\_\_\_ date \_\_\_\_\_ time \_\_\_\_\_

Season \_\_\_\_\_ weather \_\_\_\_\_

General comments: \_\_\_\_\_  
 \_\_\_\_\_



# Checklist of some Tiritiri Matangi birds

Bird species	Seen	Probably seen	Heard (but not seen)
Bellbird			
Brown teal			
Fantail			
Grey warbler			
Harrier hawk			
Kingfisher			
Little blue penguin			
Kokako			
Ruru			
Kereru			
Pukeko			
Kakariki			
Robin			
Stitchbird			
Takahe			
Tui			
Whitehead			
Other (name)			

# Matching words to their meanings

Draw a line from the word on the left to its meaning on the right

endangered	found only in a certain country and nowhere else
fledged	brought to New Zealand by people
migrant	likely to become extinct if not managed properly
moult	an animal that takes birds or their eggs or chicks
endemic	fully feathered, able to fly
incubate	naturally found or self-introduced
introduced	birds in their first plumage
predator	a species that moves annually or seasonally between breeding and non-breeding areas
plumage	develop and hatch young birds in eggs by sitting on them to keep them warm
native	the annual replacement of feathers
juvenile	a bird's feathers

