



- ... Explore Orkney and find the animals and plants in this booklet
- ... Answer questions about Orkney's wildlife and heritage

If you get stuck, don't worry, at the end of the booklet there's a useful list of places and people that can help you!

How to become a Nature Detective

Explore your garden, your local area or take a trip to the beach and you can become a nature detective.

This booklet is full of plants and animals you can see in Orkney. When you find one fill in the boxes to record:

- where you found it
- when you found it

For example: Mute Swan -

Place: Harray Loch

Date: 6/06/2022

Or just tick a box:



In some sections there are extra questions for you to answer.

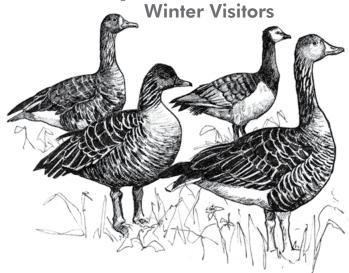
For example: Is a sponge a plant or an animal?

There are other activities for you to try such as making a collection of shells or grasses.

You can even make a study of your own special place.

Use this booklet to discover more about the wonderful wildlife around you or just have fun colouring it in!

Orkney Birds



Can you name 4 types of Geese that visit Orkney during the winter?

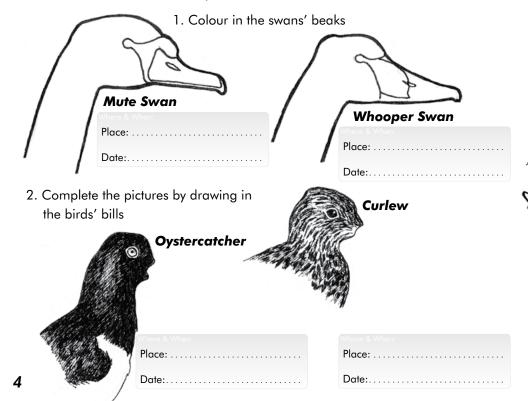
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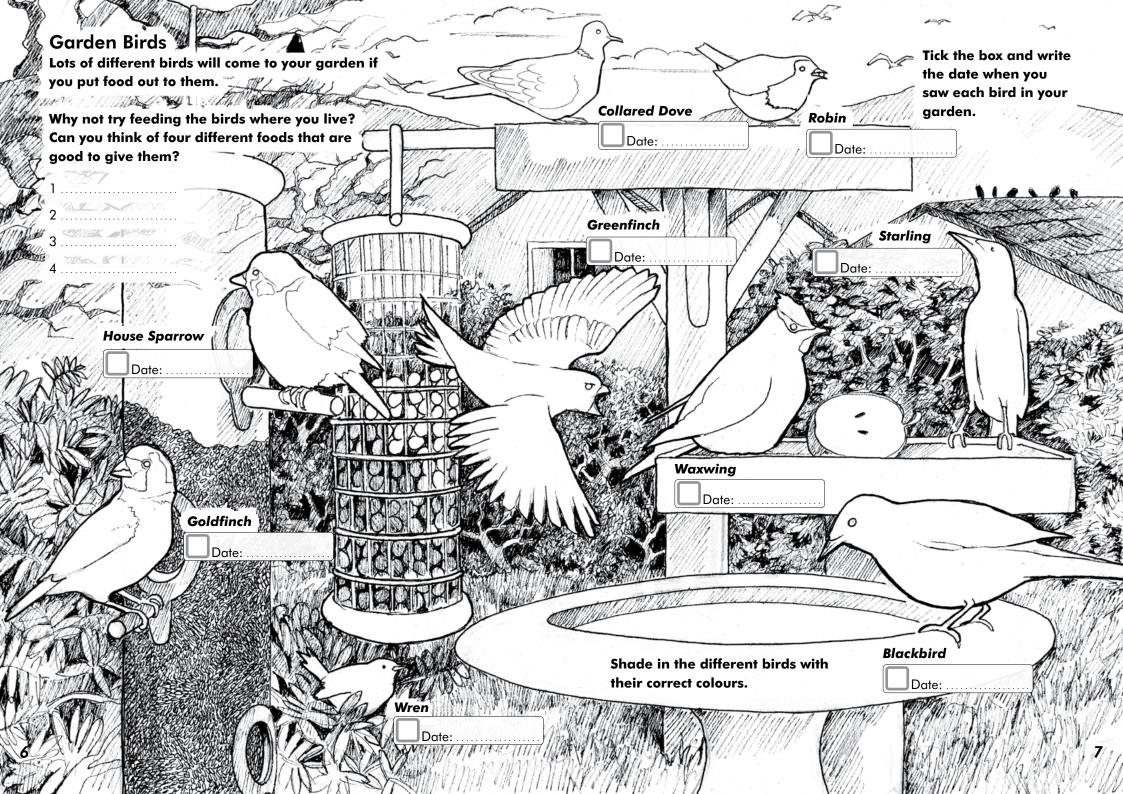
Beaks & Bills

Birds' beaks come in all shapes, sizes and colours.



Rooks

1. Where in Orkney can you see Rooks nesting? Give an exact location 2. What do Rooks mainly use to build their nests? している これ はいしん Rook 3. Find a Rook's feather and attach to this page. **Birds of Prey** 1. The bird of prey below can be seen hunting over fields and hills in Orkney. Can you name it? Have you seen one? Hen Harrier 2. Male and female birds can sometimes be different colours. Look out for a Hen harrier and colour in the one you saw.



Minibeasts

Small beasties of many kinds are everywhere - under rocks, on walls, underground, on leaves and flowers, in corners - indoors and out, in puddles and burns. Your garden is a good place to start searching.



Pitfall trap - this is a good way to attract minibeasts.

- Construct your trap as in the diagram.
- Try different baits e.g. fruit, raw meat, jam.
- Check the jar regularly and release the creatures that have fallen into the jar.

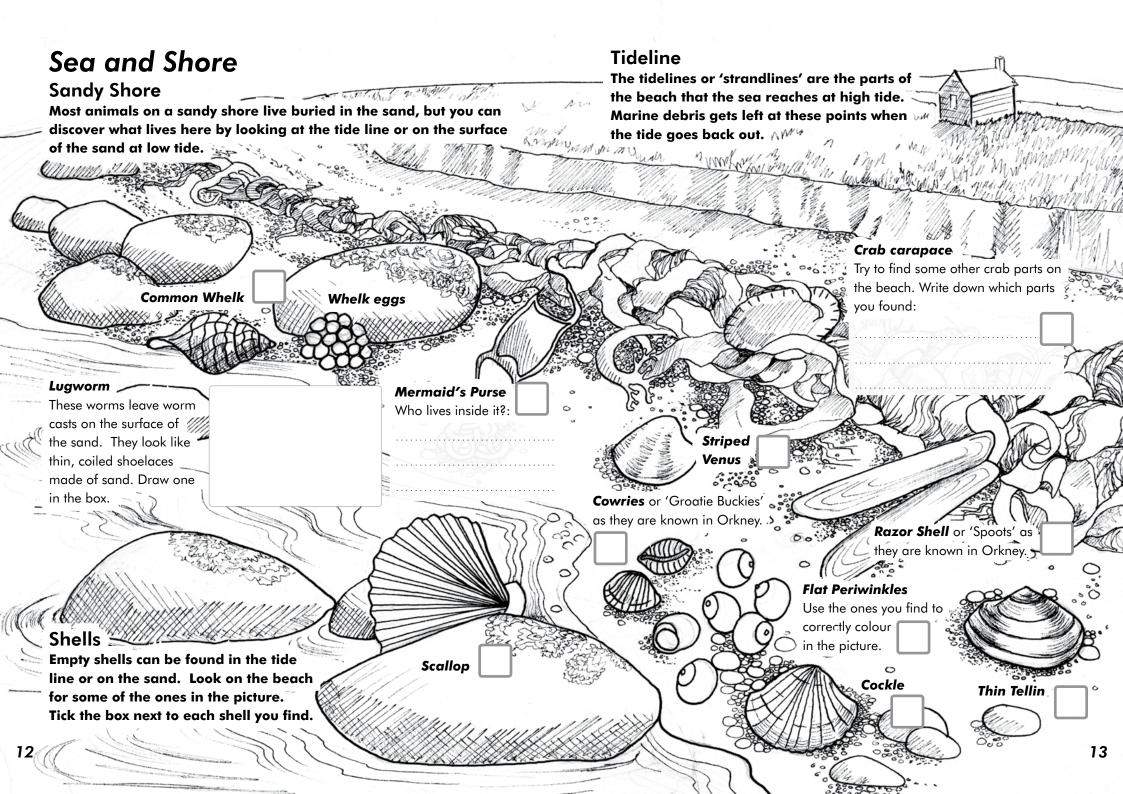
Insects have 6 jointed legs, 3 parts to their bodies and sometimes wings e.g. bees, butterflies, flies and ants.

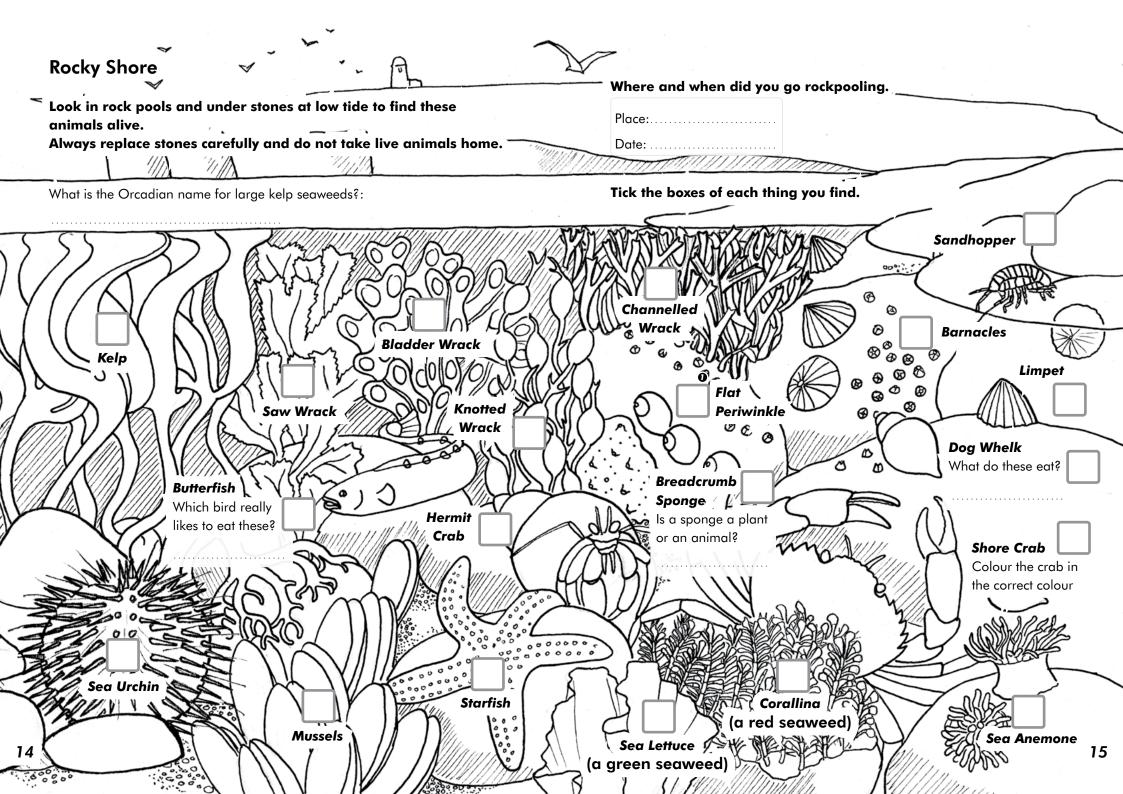
Find one kind of insect and draw it in the box

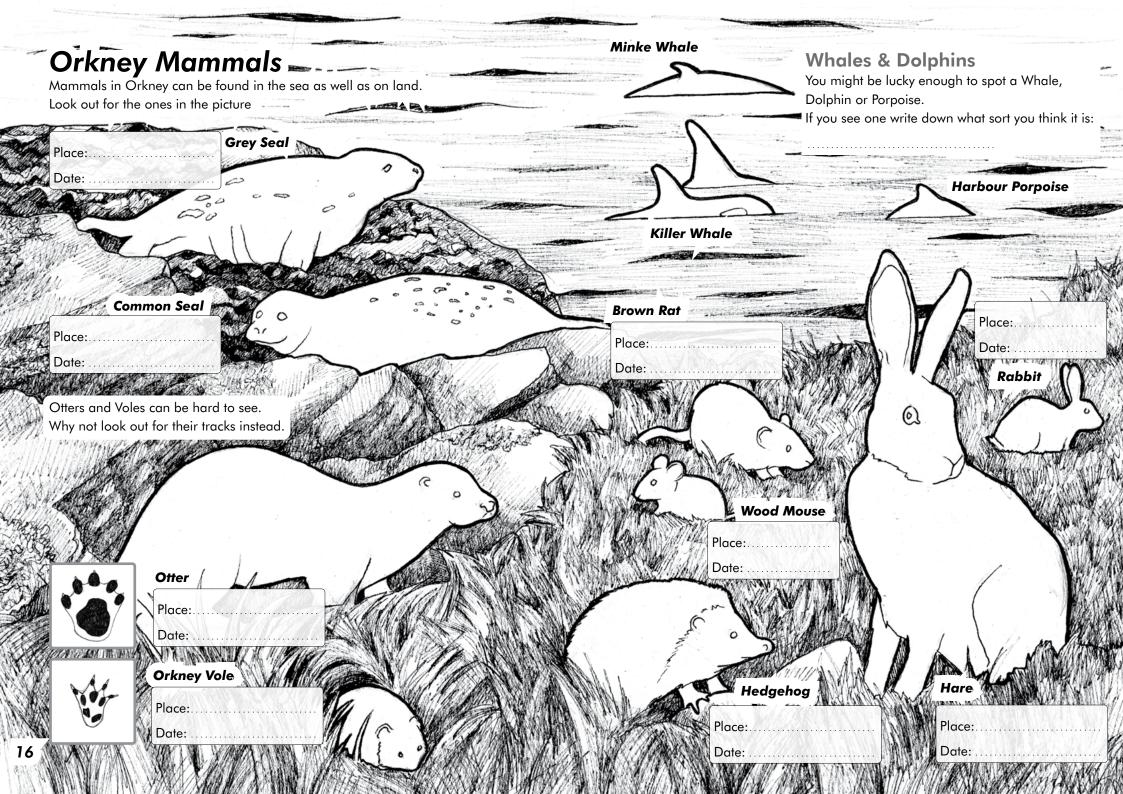
	Date:
	Can you name it?:
	J
Bumble Bee	
Place:	Date:
What colour was its rear end?	
How many pairs of wings did it ha	ave?
Insects without wings -	Find an insect without wings e.g. earwig, ant
Draw it in the box.	
What, Where & When:	
Name:	
Place:	
Date	

Larvae Many insects have larvae, a young s different from the adult e.g. caterpill Draw a caterpillar you have seen.	6.0
	Where & When: Place:
	Date:
Do you know what type of moth or b	outterfly it will turn into?
inside the foam. Can you name it?	on plants are made by an insect living
Some minibeasts are not in woodlice (slaters), centipedes, millipedes, milli	
Where & When: Place:	
Date:	
Can you name it?:	
Which one of the creatures below is	an insect and why?
addy Place: Date:	Harvestman
Place	
Date:	

Butterflies - have antennae (feelers) w	vith club ends.	Freshwater M			6.
Place:	Large White	called nymphs.	nsects live in puo	ddles, burns or lochs. They a	re offen
Date:		1 million of the		Market and I want to the same of the same	Alexander
What does its caterpillar eat?:		Whol, Where & When;		What, Where & When	
Small Tortoiseshell		Name:		Name:	
1.10	\mathbb{N}	Place:	Laure-	Place:	
& CHANG		Date:		Date:	Transfel do had
A LONG TO THE PROPERTY OF THE	at the pattern on its wings.		Name	e:	
Draw	v and colour them in. & When:	Above are nymphs of	f the Place:	Carles Son S. S. K. J. C.	
Place	e:	Stonefly, Caddisfly	Date:		
Date Date	e:	and Mayfly . Can you name and n	match tham to th	an correct picture?	
Who	at colour is it underneath?:	Can you hame and h	naich mem 10 ii	ie correct pictores	
				ne surface of the water.	
Land	A11.	Pondskater - Draw			
		in the box and write v where you found it.	when and		
Moths - Moth antennae do not have clu	ıbs	Where & When:			
and they often look feathery.		Place:			
	E \	Date:			
	ie Moth used to live further south				
	cently started to appear regularly in Can you think of a reason why it has			Whirligig Beetle - these w	
moved no			2 1	around on the surface of the	e water.
				Where & When:	
2		S (Suite of	11	Place:	
				Date:	
6.700			- P	What colour is it?:	







Orkney Plants

Where do wild flowers live?

Some plants can grow in lots of different places (known as habitats), but others prefer to live only in one habitat e.g. in marshy areas or by the sea.

Look for the plants listed below when they are in flower. Then decide which of these habitats you found each one in.

- (A) Field
- (B) Wetland e.g. marsh, ditch, loch-side
- (C) Wood
- (**D**) Roadside
- (E) Seashore or Sea Cliff
- (F) Moorland

Plant name	Date	Place Seen	Flower Colour	Habitat
Bell Heather				
Water Mint				
Sea Pink				
Bluebell				
Tufted Vetch				
Cow Parsley				
Tormentil				
Sundew				
Scurvy Grass				
Dock				
Eyebright				
Birdsfoot Trefoil				
Red Campion				

Leaf Shapes Draw the leaves of 3 different flowers. Name Name Name Seeds and Fruits Find these plants when they have seeds or fruits. Label each picture below to show how the seeds are dispersed. Choose from Wind, Animal or Explosive



Crowberry	Bird's-foot Trefoil	Dandelion
Where & When: Place:	Where & When: Place:	Where & When: Place:
Date:	Date:	Date:

Blue Flowers

Name two blue flowers that you have found

Name	Place	Date
Name	Place	Date

Flower Names

Some wild flowers have names that tell you a lot about the plant. Find these 2 plants and explain how they got their names.





Place:
Date:
It is called Ragged Robin because

Place:	
	ed Silverweed because

Marsh Marigold

Springtime Flowers

Different flowers appear at different times of the year. These plants all produce yellow flowers in spring. They are all common in Orkney along roadsides or in ditches.



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Plo	ce:	 									
_											

Lesser	Celan	dine

Place:.... Place:.... Date: Date:

Which of these plants produces leaves after it has flowered?

Trees

Identify 6 different species of tree

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1. Name	2. Name
Place:	Place:
Date:	Date:
A TOTAL VIEW BUILDING	A CONTROL
3. Name	4. Name

5. Name	3,			3	V.	12	٤.	L	4			l	1		•	
Place:	2.4	4	1		1	0).	k	9	7	١				Q	
Date:	//	.0	9	ĺ.	9	6	./.	1			J	8	2	4	i.	7

	-/103	Poll	-					
6. Name	2	1.73	بناي	<i>.</i>	 			
Place:		ALKS.	S.		 			
Date:	2	1775	Ž.,		 			

Make a drawing of a leaf in the box

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Draw a twig with leaf buds in the box

	Name
1	Place:
7	Date:

Name
Place:
Date:

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Archaeology

In the past there were never enough trees to build things out of wood here in Orkney, so many things were built out of stone.

All around Orkney's countryside you will find evidence of how people used this natural material in ancient times.

What kind of stone is found here in Orkney?:

How old is it?:

Can you name the four famous ancient sites that make up Orkney's "World Heritage Site - The Heart of Neolithic Orkney".

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3. 4

Draw a house at Skara Brae, label the drawing to identify all the different things in the house. Why not visit the St Magnus Cathedral and see how Orkney stone has been used in this impressive building.

What 2 places did the stones for the Cathedral come from?

1.																				
2.																				



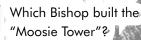
In the Cathedral there is a memorial with a ship's bell. What was the name of the ship and what date did it sink?

1.																						
2																		S				



In Kirkwall there are two Palaces. What are they called ?

1.



Draw the Moosie
Tower.

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Make a Collection . . .

It can be fun to collect different sea shells and grasses but please only take empty shells from the beach and only small amounts of grass, don't pull up the whole plant.

Grasses

Grass is probably the most important crop in Orkney. There are also many different types of wild grasses.

Why not make a collection of 6 different grasses and mount them on a sheet of paper. For each grass:

- find out its name
- record where you found it
- record the date that you found it

You could also draw or photograph the grasses.



Shells

Shells come in many shapes, sizes and colours. To create your own collection, see if you can find up to 10 different shells and mount them in a shallow box. You could also draw the shells or take photographs of them.

For each shell:

- find out its name
- · record where you found it
- record the date that you found it

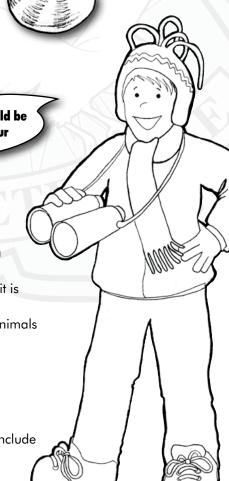
A Special Place

Do you have a special place
you like to visit to enjoy wildlife? It could be
in the countryside or the town or your
back garden.

If you do have a favourite place – why not tell us all about it?

Why not make a study of it and create a personal booklet? It could include

- a description of the place and why it is special to you
- information about the plants and animals that live there
- stories about it
- poetry
- drawings
- photographs
- or anything else you would like to include



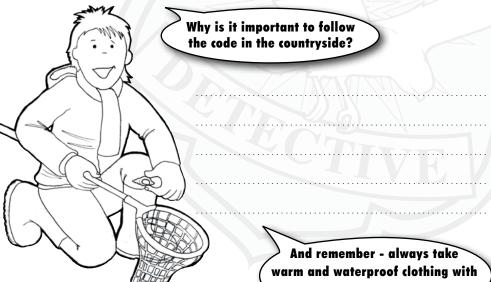
Know the Code before you go

The Scottish Outdoor Access Code is all about your rights and responsibilities when you're making the most of our great outdoors.

To find out more go to www.outdooraccess-scotland.scot

Nature detectives can use the checklist below to help follow the Code:

I was careful not to disturb wildlife
I kept my dog under close control
I took my litter home with me
I was careful not to disturb livestock
I walked around the edge of a field with a crop in it
• I left gates as I found them
• I followed a path if there was one
• I didn't get in the way of farmers working in the countryside
• I didn't go through anyone else's garden or farmyard.
Salary Comments of the salary



you and wear sturdy footwear.

Where to get help

You could ask:

Scottish Natural Heritage Eastbank, East Road, Kirkwall

Tel: 07717618805

RSPB North End Road, Stromness

Tel: 01856 850176

Orkney Islands Council Council Offices, School Place, Kirkwall

Tel: 01856 873535 ext 2828

Orkney Field Club

World Heritage Site Rangers

www.facebook.com/OrkneyFieldClub

orkneyrangers@hes.scot Tel: 01856 841732

Your teacher, your friends and your family may also be able to help you.

Or why not try using the internet, Facebook or your local library.

The following websites may be useful:

www.nature.scot

www.rspb.org.uk

www.historicenvironment.scot

www.naturalhistorymuseum.org.uk

www.orkneylibrary.org.uk

Or visit a local museum:

Stromness Museum, 52 Alfred Street, Stromness Fossil and Heritage Centre, Burray

Updated in 2022 by the Stromness Museum, this Nature Detective booklet was originally developed by Outdoor Orkney.

A variety of organisations were involved, their aim to provide environmental education throughout the county, raising awareness of it's natural environment both past and present for people of all ages and level of interest.











