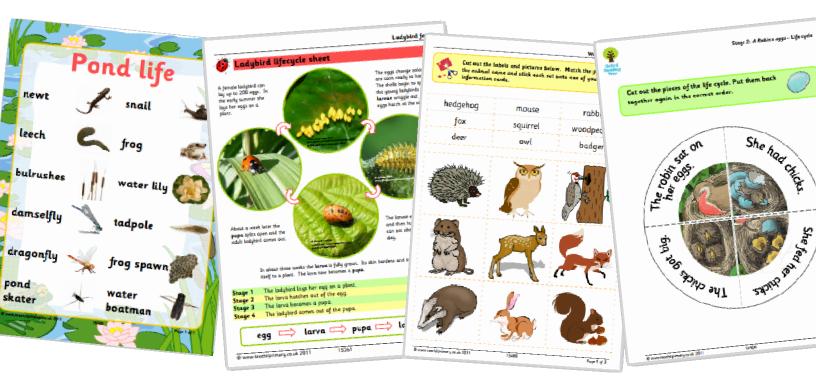


# If you go down to the woods today...

## Literacy and Science based teaching ideas and resources





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## Finding your way around the project pack

This project pack is a cross-curricular collection of creative teaching ideas and resources around the theme of *Outdoor learning*. Our aim is to bring together different resources from Teachit Primary into a cohesive whole, giving more support and structure than we can offer with stand-alone resources. The pack contains teaching activities linked to Forest Schools, Literacy, Science and other areas. Where appropriate, each subject has links to the new 2014 curriculum.

The pack lends itself to being used in different ways. It could form the basis of a whole week's project, or you could dip in and out of it over the course of a term, or even the whole school year.

The project is broken down into individual subject areas. Each section of the pack includes a set of teaching ideas, followed by accompanying resources. Wherever a teaching idea has a supporting resource we've indicated this and explained how the resource is relevant: for example, as a means to acquire background knowledge for the activity, to facilitate the recording or presentation of the activity or as an extension task related to the activity.

The ideas and activities in this pack are open and therefore accessible to a wide age range. The resources are all available in adaptable formats, making it easy to differentiate the tasks by ability.

We've included links to each separate resource included in this pack so that you can access the resources directly on <u>www.teachitprimary.co.uk</u>. We've also included the file number for each original resource – just pop this into Teachit Primary's search engine. Most of the resources in this pack are Word documents, but we've also included links to PowerPoints and interactive activities. Please log in first in order to access any of these resources on Teachit Primary.

We hope you enjoy using this pack. If you have any questions, please get in touch: email <u>support@teachitprimary.co.uk</u> or call us on 01225 788851. Alternatively, you might like to give some feedback for other Teachit Primary members – you can do this by adding a comment on the <u>Outdoor learning project pack</u> resource page on Teachit Primary (please log in to access this!).

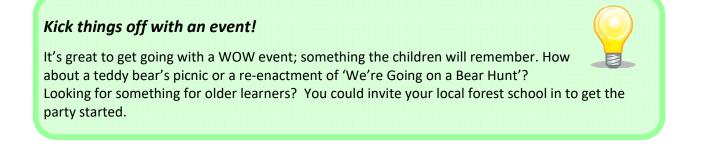
## **Outdoor learning project pack – ideas and resources**

Our EYFS colleagues are more than happy to take their young learners outside whatever the weather, so what are we waiting for?



Outdoor learning isn't just about exploring nature: it has a broader impact on aspects of learning such as concentration and listening and communication skills, as well as bringing many areas of the traditional curriculum to life.

With a set of ideas from a Forest School expert plus a bank of Teachit Primary resources to support your endeavours both outside the classroom and on your return, this project pack encourages you to throw caution to the wind and come outside!



## Web links

To save you time exploring the web we've picked out a couple of our favourite sites. The <u>Natural History Museum</u> website has a brilliant explore mission where children travel, virtually of course, to the island of Regaloam to collect specimens. Perfect for a little more exotic bug hunt!

Identification of different species can be tricky if you're not an expert so try using The Wildlife Trusts Species explorer.

## **Forest School**

## Establishing a forest school

The outdoors is a great learning resource which can be used to complement and extend the indoor curriculum. It is a flexible and useful resource particularly suited to active learners. The outdoors provides excellent opportunities for collaborative group work, learning through questioning, potential for authentic practical work and the perfect context for engaging cross-curricular projects. We start projects with fun activities using the senses to first inspire and engage the children, planning in opportunities for skills, knowledge and a creative element and finishing with open ended opportunities for children to extend their own learning and set their own challenges.

#### Planning through the seasons

An essential resource when planning for outdoor learning is the seasons. It provides an ever-changing context for a broad range of exciting hands-on experiences that can help children discover the world around them in the early years and for key stage 2 it provides the perfect context for inspiring cross-curricular projects. Here are some ideas to help you deliver the curriculum outside and engage children in their learning whatever the weather.

## Spring

- Discovering new life watching and measuring bulbs, growing seeds, planting fruit and vegetables
- Baby animals and their homes, birds beginning to nest, life cycles of butterflies and frogs
- Nature walks to discuss and record buds, blossom, the weather, seasonal changes, weather stations, recording temperature and rainfall
- Visit to farm to see lambs, ducklings, chicks
- Listening to bird song, making bird nests, feeding the birds

### Summer

- Minibeast hunt make mystical bugs and create an island world with food, water, habitat
- Bees and honey making pollination
- Habitats what do plants and animals need to survive
- Pond dipping
- Food chains
- Web of life how we are all connected biodiversity
- Journeys, exploring and map making, identifying geographical features in the local landscape
- Tree Project identify and find out about trees
- Summer colours and landscapes in art
- Composting, looking at soil composition, wormeries

#### Autumn

- Exploring the colours of leaves Scavenger hunts – making pictures with the natural materials
- Tasting different fruits apples, plums, cooking, harvest time
- What is happening on the farm? Set up a Farmers' Market role play area
- Why do some trees lose their leaves? What is happening to them?
- Collecting seeds and start a tree nursery
- Observational drawing of seeds and fruit
- Fire and cooking how we keep ourselves safe
- Singing around the campfire
- Celebrate Apple Day, Harvest festival
- Making bug houses, designing and testing waterproof dens, preparing for winter

#### Winter

- Hibernation and animal stories
- A day in the life of a hedgehog
- Making maps and trails creating stories
- Memory games hiding nuts, where did we hide them?
- Making natural Christmas decorations
- Recording and describing the weather, temperature, rain gauge
- Feeding the birds

#### Breaking down the barriers between indoor and outdoor learning

- Spend curriculum planning time building learning in the school grounds into your scheme of work for all subjects
- Provide training and support to staff
- Use the seasons to guide your planning
- Plan a school grounds improvement project and involve the children in its design and creation
- Create a rich outdoor learning environment with plenty of opportunity for real learning experiences and contact with the natural world
- Provide different learning environments and resources e.g. habitats for wildlife a wild area, pond, a food garden – a vegetable and fruit growing area, a small orchard (remember fruit trees can be grown against a wall and offer a host of learning opportunities – highly recommended), a muddy digging area, a minibeast sanctuary, a den building/construction area, a sensory garden
- Ensure children and staff have appropriate clothing for the weather
- Have clear agreed expectations for behaviour when outside
- Use curriculum opportunities to involve children in projects to improve and protect the biodiversity within the school grounds
- If space is limited at school consider using a local park within walking distance

## Literacy

## Get inspired by the great outdoors

Where a story is set often dictates its events, so when children read 'We're Going on a Bear Hunt' they are able to predict the hazards that lay ahead. Take story mapping to another dimension by asking children to re-enact the family's journey! Alternatively, create a bear hunt set in a different environment, or explore other traditional tales set in woods and/or containing a big bad wolf.

## **Teaching ideas**

- Go on a scavenger hunt around your school grounds collecting items for a seasons trail. Write descriptions of these objects as a starting point for some seasonal poetry. <u>Resource 10185: On the ground</u> will get this off to a flying start!
- Who can resist 'Owl Babies' by Martin Waddell? Whether you choose to act out the story using masks or just explore the words used to describe the story setting, it's a must and <u>Resource 8398: Owl Babies</u> might have been made for you!
- Just as in 'Owl Babies', sometimes the woods can be perceived as a frightening or dangerous place. Help children overcome possible fears or worries by talking about the positive aspects of this environment. Our familiar friend Floppy can help here and <u>Resource 15122: Frightened Floppy</u> is all ready for you to use.
- Taking a senses walk around any environment brings a new depth to descriptive writing- to actually be there rather than just to imagine it. <u>Resource</u> <u>8189: Setting the scene</u> is a great starting point to help children describe what their senses pick up.
- Using stories with a very strong pattern makes them easy to adapt to create similar versions. So when the mouse takes a stroll in 'The Gruffalo', it's easy to adapt the story to your own similar setting, exploring who he may meet along the way. Who knows, maybe the Gruffalo will be replaced by the head

teacher! <u>Resource 10763: Gruffalo Choptalk</u> is a great activity to tie in with this.

- Take a walk around your school grounds to see what obstacles you might use to create your own version of 'We're going on a Bear Hunt'. <u>Resource 11454:</u> <u>We're going on a ... hunt</u> is a great resource for younger learners but could equally be used with older age groups writing for a younger audience.
- Even just a small wooded area gives enough of an impression to allow children to imagine what it would be like for characters living there. Just imagine you were Little Red Riding Hood lost in the woods. Or perhaps you are the poor hungry wolf? These three resources: <u>11460: The hungry wolf</u>, <u>8823: Little Red</u> <u>Riding Hood – my version</u> and <u>15484: Postcard from a character – Little Red</u> <u>Riding Hood</u> all offer alternative ways to look at the story.
- What weird and wonderful creatures are lurking under rocks and hiding in tiny cracks? After a good old fashioned bug hunt ask children to report their discoveries in the form of a news article.
- The poem Trees by Harry Behn is a wonderful way to look at different aspects of wood. <u>Resource 15489: Activity Pack – Trees by Harry Behn</u> makes this easy for you and fun for the children.

## Resources contained within the Literacy section of this project pack

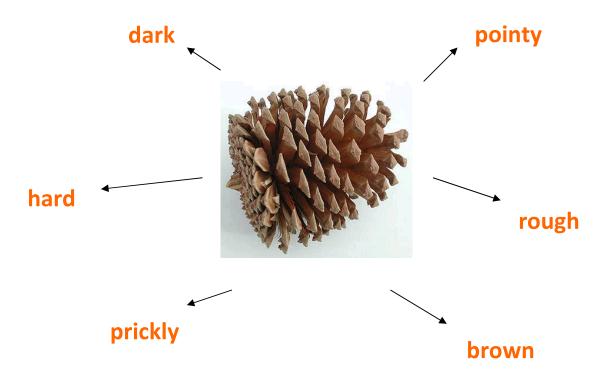
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Activity pack – Trees by Harry Behn	

Go for a walk outdoors and collect things found on the ground, e.g. leaves, stones, twigs, pine-cones etc.

Each group of pupils could look at what they have found.



For example:



Next use the words that the children have found to write their autumn poem!

Each verse has a simple structure, with repeated lines and places where pupils can choose their adjectives.

On the ground	
Five <b>prickly</b> pine cones	
Hard and pointy	
Autumn is here	
On the ground	
Four	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
and	$c_{1}$
Autumn is here	45
On the ground	
Three	
and	
Autumn is here	
On the ground	
Two	
and	Ne
Autumn is here	X
On the ground	
One	
and	
Autumn is here	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Name: .....

Date: ..... LO: .....

Share the story of *Owl Babies* by Martin Waddell. Read the questions below and write your answers in the boxes.

Opening	Middle
What happens at the beginning of the story?	What was the problem in the story?

What do they see?	Who do they meet?

## Story writing

Use the words from the word bank to write your own version of the story.



dark	clammy
daunting	wet
scary	stale
damp	musty
creepy	mouldy
rustle	crackle
rough	crunch
coarse	jagged
tall	huge
fox	soft
wood	cold
trees	windy
shadows	grey
creatures	twinkling
insects	breeze
noises	shining
howling	blustery

## **Teaching notes**



- Discuss the fact that the story takes place in different places. Ask the children to list the different settings: home, the wood and The Dragon Tree.
- Explain that they are going to explore how Floppy is feeling when he is in the woods. Look at the pictures on pages 8-9 and ask the children:

Why does Floppy look frightened?

What do you think he can hear, see, smell?

Discuss all the things that Floppy might be frightened of (the wood, the darkness, the owl, the goat, the fox, the cold, the noises in the wood etc.). Write the children's ideas on the board. They will need to refer back to these when they do their writing.

- Ask the children: If you were in the wood would you be frightened of anything? Are there some things you would not be frightened of? Note down their ideas.
- The children use their ideas to complete simple sentences on the pupil sheet. E.g.
  Floppy did not like the dark; Floppy did not like the owl etc. Remind the children to complete each sentence with a full stop.

Floppy did not like lots of things in the	۵
wood. Use your ideas to complete the	Contraction of the second
sentences.	

Floppy did not like the	
i loppy and not like the	

Floppy did not like the .....

Floppy .....

Floppy .....

## What would you not like in the wood?

I would not like .....

.....

The Dragon Tree: text © Roderick Hunt 1986; illustrations © Alex Brychta 1986. The characters in this work are the original creation of Roderick Hunt and Alex Brychta who retain copyright in the characters. Published by arrangement with Oxford University Press

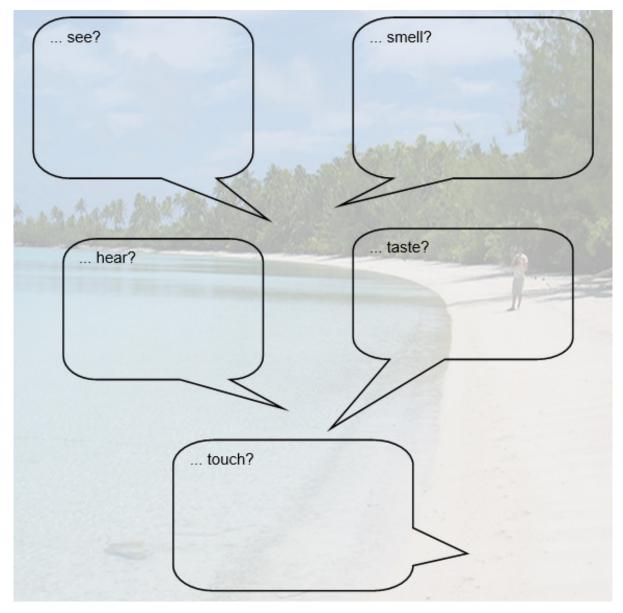
Name:	Date:
Learning objective:	

All stories need a setting – the location where the story takes place.

Use all of your **five senses** to help you create an effective scene. Imagine that you are **on a beach.** 



What can you...



Photograph by notacrime http://www.flickr.com/photos/notacrime/62535160

You can use **positional vocabulary** to help to create a sense of place.

Use your ideas about the beach to complete the following sentences:

The beach	
Up above me	
Behind me	
Underneath me	
Underneath me	
Next to	
A short distance in front of me	
The sound of	
can be heard.	

What other connecting phrases could you use?

Photograph by Mike Weston http://www.flickr.com/photos/mikeweston/326906653/ Now think of a different setting and use all five positional sentences to create your description. Remember to include interesting adjectives to make your picture come to life.

Photograph by ishane http://www.flickr.com/photos/ishane/121089362/ To access this resource please log in to the Teachit Primary website and type 10763 into the search bar.

Gruffalo - order the words to complete the text				
deep dark e mouse the looked go mouse and od. On went the				
rough the mouse wl saw the wood. An o				

## We're going on a ..... hunt!

## Instructions

- Read *We're Going on a Bear Hunt* by Michael Rosen.
- Discuss the repetitive language used, prepositions and onomatopoeic words.
- Discuss the intended audience (e.g. age group) for this story.
- Explain to the children that their task is to write a story in the same style as *We're Going on a Bear Hunt*.
- Brainstorm what their story might be about, e.g. a ghost hunt, an alien hunt, a crocodile hunt.
- Discuss the style of writing they need to use.
- Use the writing frame on the following pages.

## We're going on a ..... hunt!

We're going on a		_hunt.
We're going to catch a big one.		
What a	_day!	
We're not scared!		

Uh-oh! A	
A	
We can't go over it	
We can't go under it	
Oh no!	
We've got to go	it!

Onomatopo	eic words here!	
	<u></u>	

We're not going on a	hunt
again!	

Ву \_\_\_\_\_

Continue on paper.

**Learning objective:** To write a story from an alternative point of view.

Read the story of Little Red Riding Hood. Now retell it from the point of view of the wolf. Write your new story and share it with a friend. Use the story plan below to help you.



## How might the wolf feel when ...

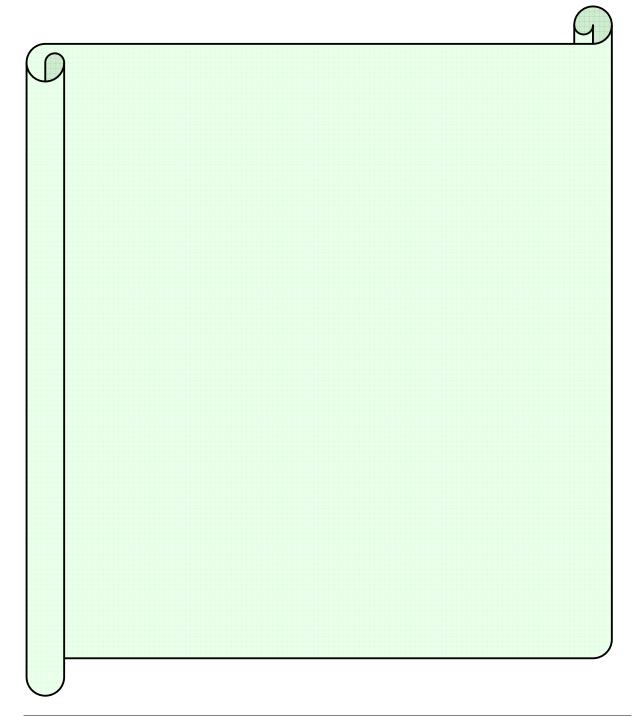
he starts to get hungry and wants to find some food?	
he sees Little Red Riding Hood in the forest?	
he sees Grandma's cottage?	
he finds Grandma in the cottage and wants to eat her?	
he eats Grandma and Little Red Riding Hood comes to the door?	
Little Red Riding Hood starts asking difficult questions?	
he still feels hungry and wants to eat Little Red Riding Hood?	
the wolf sees the woodcutter coming through the door?	

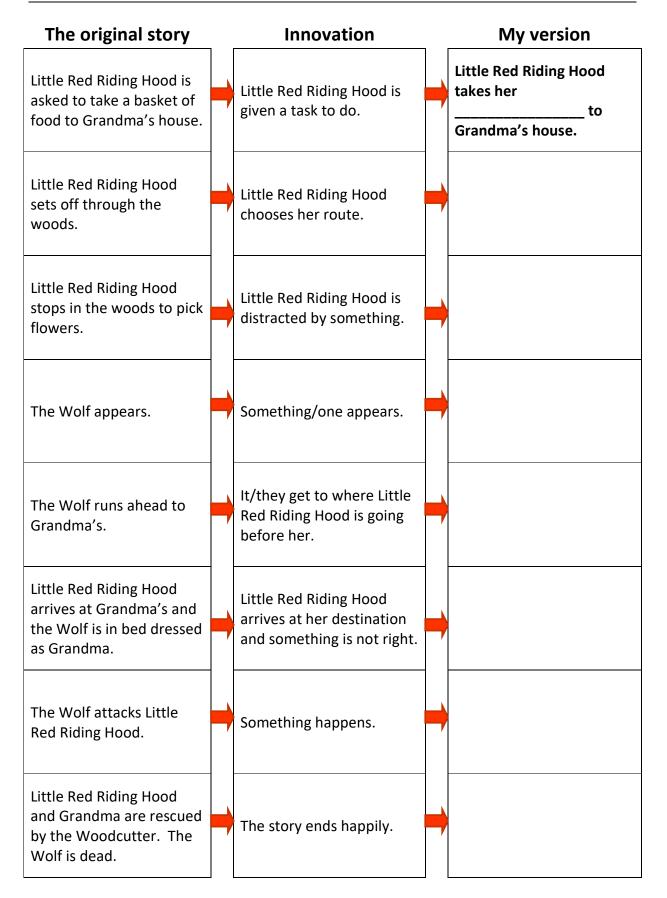
Does he feel any guilt about eating Grandma? Write down some more ideas for your story.

Read the original story of Little Red Riding Hood and the innovations listed below.

#### Your task is to invent a new story based around Little Red Riding Hood.

- ★ Fill in the blank boxes to create a new story.
- ★ Share with a friend to check that it makes sense.
- ★ Use this plan to write your new version of the story out in full.





## Postcard planner (example)

This planning sheet belongs to: \_\_\_\_\_\_



Send a postcard from one of the *Red Riding Hood* characters.

Use this sheet to plan what you will write when you send a postcard from your chosen character.

What is the name of your character? <u>The Wolf from Red Riding Hood</u>

Now write a few words in each box:

What can you see around you?	What can you hear?
tall green trees lots of horrible flowers swaying trees sharp stones	the wind howling just like I do! someone singing and skipping my tummy rumbling snarling birds singing
What can you smell?	What can you feel?
ginger buns a tasty little girl blood	hunger chilly wind on my fur sharp stones on my paws twigs scratching my nose
How do you feel?	Is there anything else you want to write?
hungry angry impatient	I am so looking forward to my next meal!

#### Who could you send your postcard to?

Granny

#### Postcard from a character - Little Red Riding Hood

## Dear Granny,

It's fun here in the woods. I am surrounded by tall trees, lots of horrible flowers and some lovely nettles. I am hiding behind a big green bush, waiting for your delicious granddaughter, Little Red Riding Hood. I can smell the ginger buns she is bringing you. It's making my tummy rumble! I can't decide what to eat first - her or the buns! I'll be calling to see you soon, then I can eat you AND Little Red Riding Hood and have the buns for pudding! Hahahahaha!

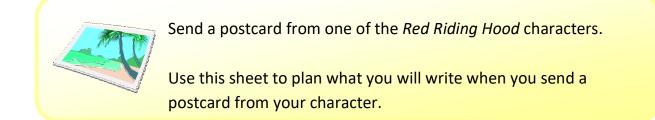
Love from The Wolf.

	No.
	July 10 <sup>th</sup> 201
The Wolf House	
Howling Road	
Pawtown	

#### © www.teachitprimary.co.uk 2014

## Postcard planner (example)

This planning sheet belongs to: \_\_\_\_\_\_



What is the name of your character?

Now write a few words in each box:

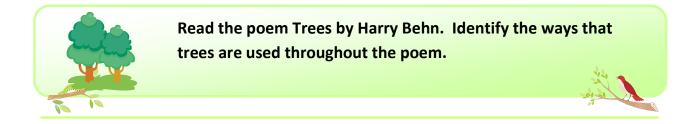
What can you see around you?	What can you hear?
What can you smell?	What can you feel?
How do you feel?	Is there anything else you want to write?

Who could you send your postcard to? (Think of other characters in the story.)

## Postcard from a character - Little Red Riding Hood

Dear	
From	

Name:	Date:
-------	-------

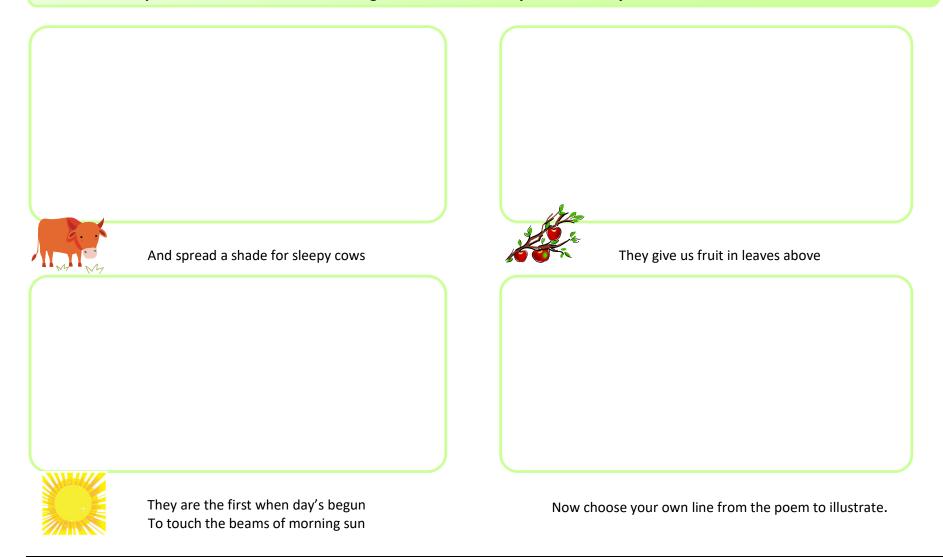






Can you think of any other uses for trees? Think about how they help humans, animals and the environment.

The poem creates some beautiful images by using figurative language - it paints images in our minds! Taking the following lines from the poem draw and colour the images it has created in your mind's eye.





Here are some tree words! Cut them out and sort them using the following headings:

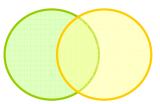
Lives in a tree

Gro

Grows on a tree

Type of tree

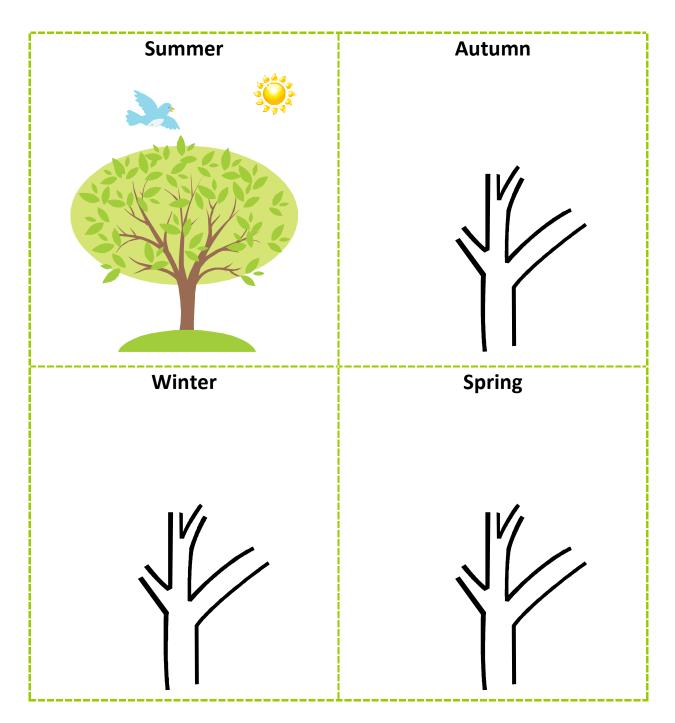
oak	twig	blossom	elm	butterfly
cedar	nest	trunk	shade	stem
forest	woods	leaf	bird	seeds
poplar	boughs	berries	spider	fruit
bark	owl	branch	hollow	roots
squirrel	insect	bud	birch	sycamore



#### Challenge:

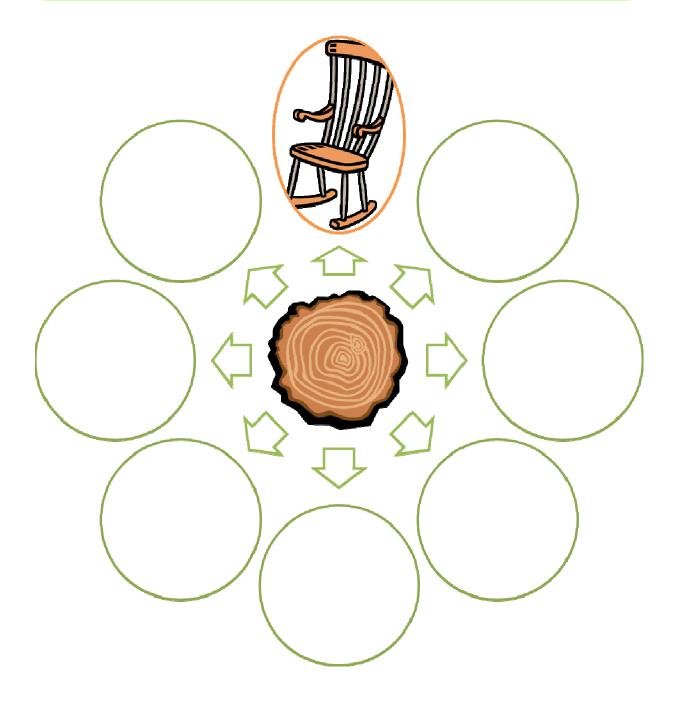
Did you manage to use all of the words? Try creating your own table with different headings – how many words you are left with this time? How about drawing a Venn diagram and try sorting the words again!

As the seasons change so does the appearance of some trees. Draw a series of trees to illustrate the four seasons.



Which type of tree does **not** change with the seasons? Can you name an example of one?

The wood we get from trees is very useful. Think about all the things that are made from wood: in the classroom, outside and at home.



**Think about it**! What problems would we create if we cut down all the trees to use the wood for our own needs?

## Science

#### Creepy crawlies alert!

Science is all about understanding the world in action so what better place to get to grips with the wonders of the world than in the great outdoors? Rather than just reading about it children discover it for themselves through observations and investigations. Not just limited to exploring life processes, the playground is the perfect place for messy experiments – after all, who wants to create a volcano in their classroom?!



2014 curriculum links:

## Science aims met within this project pack

- Develop **scientific knowledge and conceptual understanding** through the specific disciplines of biology.
- Develop understanding of the **nature**, **processes and methods of science** through different types of science enquiries that help them to answer scientific questions about the world around them.

#### Science KS1 subject content covered within this project pack

- Observing closely, using simple equipment.
- Identifying and classifying.
- Gathering and recording data to help in answering questions.
- Identify and name a variety of common wild and garden plants, including deciduous trees.

- Identify and name a variety of common animals.
- Observe changes across the four seasons.
- Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.
- Identify and name a variety of plants and animals in their habitats, including microhabitats.
- Observe and describe how seeds and bulbs grow into mature plants.
- Notice that animals, including humans, have offspring which grow into adults.

#### Science KS2 subject content covered within this project pack

- Setting up simple practical enquiries, comparative and fair tests.
- Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units.
- Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.
- Identifying differences, similarities or changes related to simple scientific ideas and processes.
- Using straightforward scientific evidence to answer questions or to support their findings.
- Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.
- Recognise that living things can be grouped in a variety of ways.
- Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.
- Construct and interpret a variety of food chains, identifying producers, predators and prey.
- Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences.
- Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.

#### **Teaching ideas**

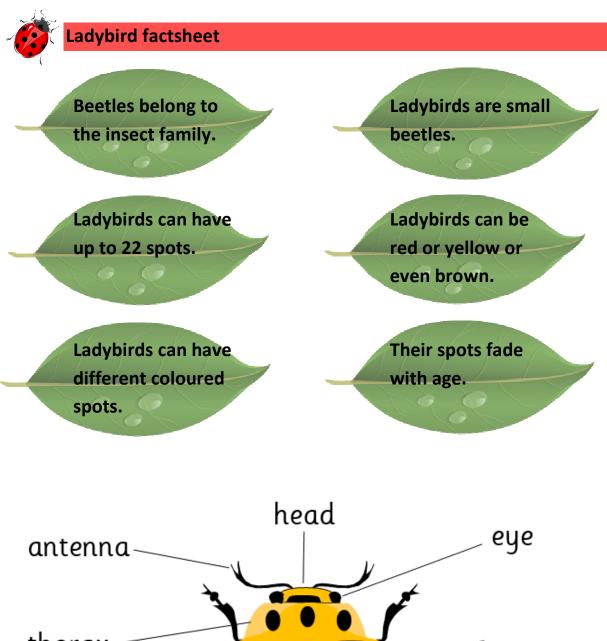
- Observing life cycles in action is the best way of understanding these processes in different animals. Create a simple pond by sinking an old washing up bowl into the ground and then explore the life cycle of frogs at close quarters. <u>Resource 15261: Ladybird facts</u> would be a great starting point. <u>Resource 14909: A Robin's Eggs - Life Cycle</u> could be used as an extension activity to support this.
- We all love a good bug hunt, whether it's part of a national scheme to identify the prevalence of native species or simply a school based activity. It's great to find out a little more detail about each insect found and to produce fact sheets or even Bug Top Trumps! <u>Resource 15731: Minibeast key</u> is a simple way to show the principles of key classification. <u>Resource 15732: Differences in</u> <u>minibeasts</u> provides a handy template to record observations.
- Where and how animals live is linked to the special adaptations they have to suit their environment. Looking closely at how even the humble ant is so well suited to its environment can be a source of amazement. Taking this a step further, children could design their own 'super' animal especially suited to your local environment. <u>Resource15531: Design your own animal</u> is a PowerPoint activity that will help children look at adaptation. <u>Resource 15224: Habitats</u> <u>and adaptation</u> will develop children's understanding of the huge variety of habitats in which animals survive.
- British wildlife is so varied but how much do children know about these creatures that are living on their door step? A research activity can work both as perfect preparation for a forest school visit or as a follow up on return to the classroom. <u>Resource 15493</u>: Squirrel research pack and <u>Resource 15505</u>: Fox research pack are handy collations of child friendly information that might be used to get the research up and running. <u>Resource 8094</u>: Spidery Persuasion is a PowerPoint presentation supporting the study of spiders. <u>Resource 15488</u>: <u>Woodland animals</u> is a brilliant way to get started on the creating fact (or Top Trumps) cards and develop children's own collections.
- 'If you don't like the weather wait five minutes' someone once said... its ever changing nature makes it a good data collection subject and <u>Resource 20642</u>: <u>Keeping a weather record</u> is a useful record sheet. Dressing appropriately for

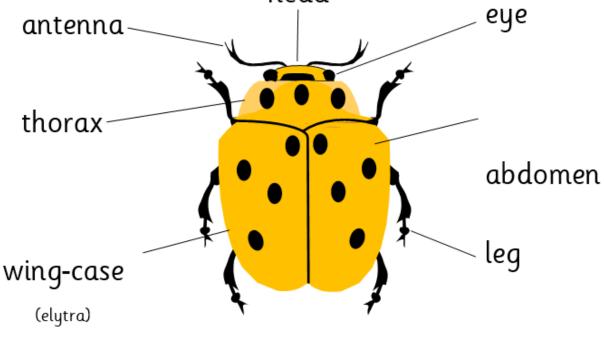
the weather is not always easy and <u>Resource 20641: How would you dress for</u> <u>the weather?</u> makes a good follow up activity.

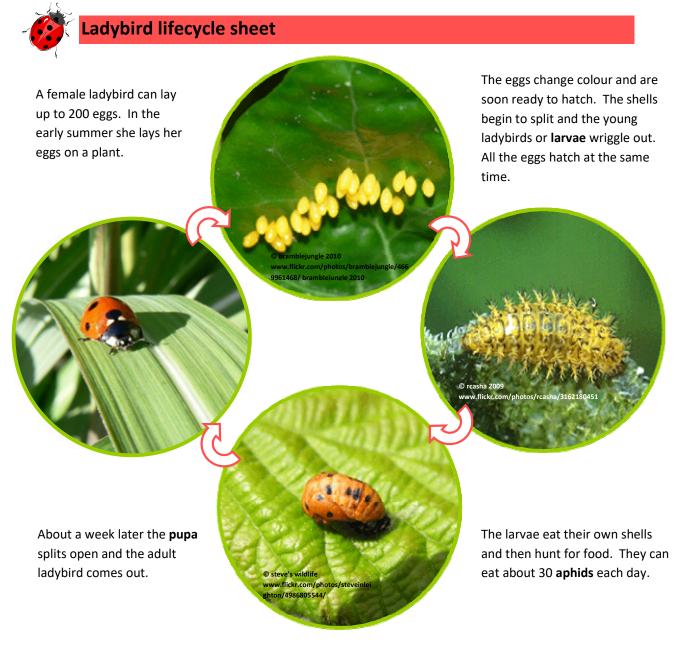
- The beauty and variety of leaves that grow around us is an endless source for scientific as well as artistic observation. <u>Resource 15736: Trees and leaves</u>, <u>spotter's guide</u> provides a useful reference tool to help name the varieties you may find. Patterns can be made using leaves and leaf rubbings and you could dissect leaves and analyse the function of the parts.
- If you have access to apples or other fruit growing nearby, <u>Resource 18972</u>: <u>What's inside a fruit?</u> is a handy way to look at the structure. Then why not take the opportunity to do some nice messy fruit and vegetable printing?
- Growing things is so rewarding! Ask your class to consider the class vessels available for planting (go wild, old wellington boots work well!) and talk about what conditions work best. <u>Resource 17716: Practical plant growing a salad in a jar</u> is a delightful resource to guide children through the process. <u>Resource 14081: Helping plants grow well</u> is a fantastic follow up to finding out about the conditions in which plants thrive.
- Decay is a vital part of the cycle of life. During your outdoor explorations, ask the children to spot signs of decay and observe how different materials weather. You could make a compost heap or wormery and take photographs or film at agreed intervals to form a record.

## Resources contained within the Science section of this project pack

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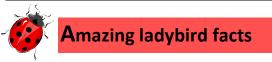






In about three weeks the **larva** is fully grown. Its skin hardens and it glues itself to a plant. The lava now becomes a **pupa**.

e	gg 📫 larva 📫 pupa 📥 ladybird
Stage 4	The ladybird comes out of the pupa.
Stage 3	The larva becomes a pupa.
Stage 2	The larva hatches out of the egg.
Stage 1	The ladybird lays her egg on a plant.



- There are more than five thousand kinds of ladybird!
- The red colour of the ladybird and its spots are a warning to other animals that they are poisonous to eat.
- Ladybirds can 'play dead'! They roll onto their backs and squirt a yellow liquid onto their attacker!
- Americans call ladybirds 'ladybugs'.
- To stay warm in the winter, ladybirds pile on top of each other in a huddle.
- Ladybirds have a special chemical that stops them from freezing and dying in the cold.
- Gardeners like ladybirds because they get rid of pests.
- In the past some people believe that ladybirds could cure toothache!



Name: ..... Date: .....



## What have you learnt about ladybirds?

# Use the fact sheets to help you answer the questions.

Can you name the four stages of the life cycle of a ladybird?	
What is the American name for a ladybird?	
How many different types of ladybirds are there thought to be?	
How do ladybirds protect themselves against predators?	
How many spots do ladybirds have?	
How do ladybirds stay warm in winter?	
What do some people believe that ladybirds can cure?	

Name: .....

......Date:.....

Use what you have learnt about ladybirds to help match the sentences to a picture. Cut out the sentences and pictures and then stick them into your book.



Ladybirds huddle together to keep warm.

A chemical in their bodies stops them from freezing in the cold.

Tiny larvae wriggle out of the eggs.

Their first meal is their shells!

After a week the eggs change colour and begin to hatch.

The ladybird lays her eggs on a plant.

Ladybirds can be different colours with different coloured spots.

Name: ..... Date: .....



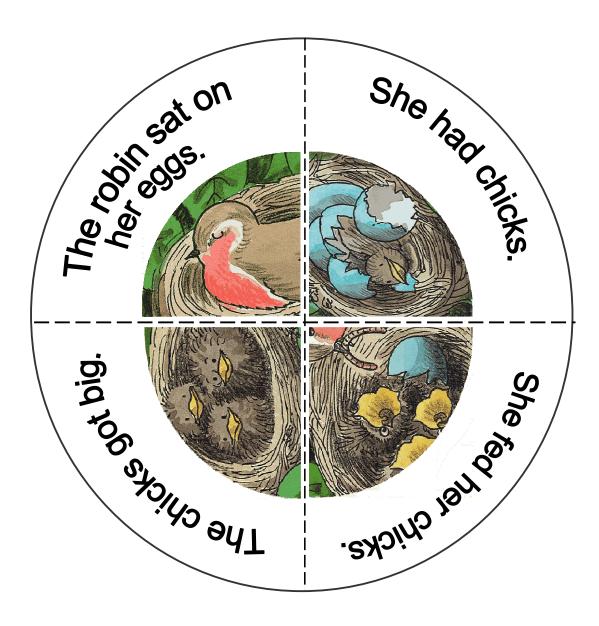
Draw and label your own ladybird. Can you include all the words from the word bank?

	-
(	leg
	abdomen
	wing-case
	eye
	, antenna
	head
	thorax
	spots
	wing



# A Robin's eggs – life cycle

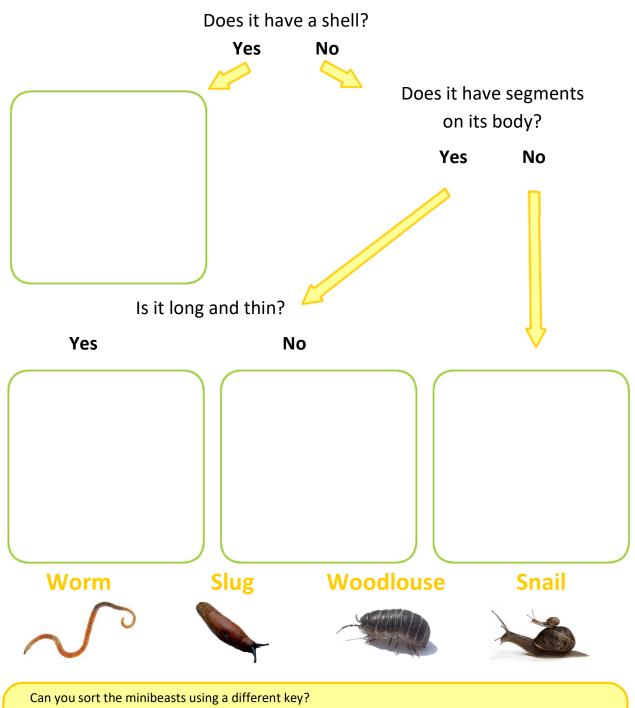
Cut out the pieces of the life cycle. Put them back together again in the correct order.







Most minibeasts that you might find can be easily identified using a key. You simply answer the questions until your minibeast is identified. Complete the key below by drawing the four minibeasts in the correct place.



Create your own key for the minibeasts that you have found on your bug hunt.

#### Photo credits

Worm

© alaskanent 2010 www.flickr.com/photos/alaskaent/5524813057/

Slug

© Pitel 2008 www.flickr.com/photos/pitel/2775136288/

Woodlouse

© Mick E. Talbot 2009 www.flickr.com/photos/25258702@N04/3491450227/



Not all minibeasts are the same; if you look closely you can see lots of differences between them. Spiders, snails and butterflies are minibeasts which are easy to find in the garden or school grounds.

On your bug hunt take photographs or make sketches of the animals you find. Now have a go at completing the table below by looking closely at each bug!

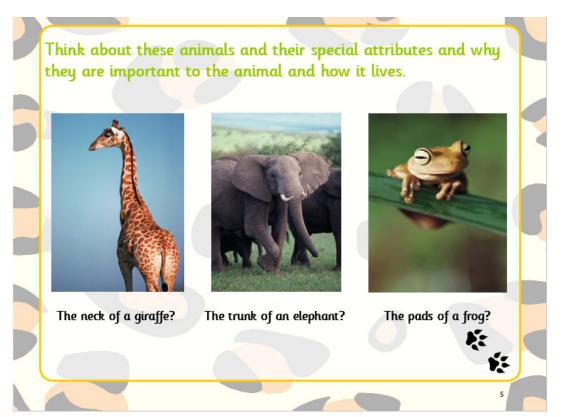


Minibeast	How many legs?	Does it have antennae?	How many parts to the body?	What else does it have?

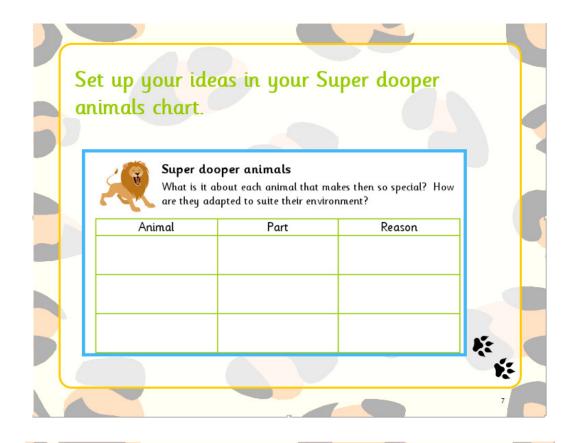












# <text><text><text><text><text><text><text>

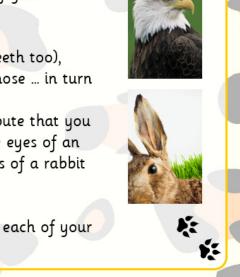
# Start with ... the head

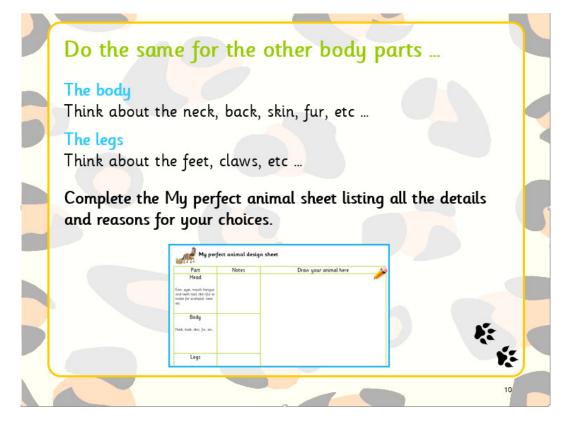
Think about the different parts of your animal's head:

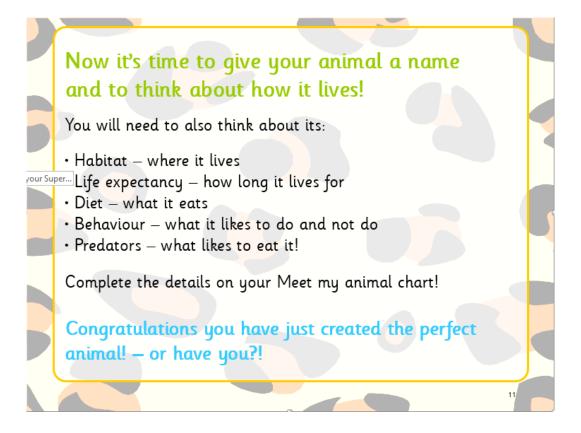
Ears, eyes, mouth (tongue and teeth too), skin (fur or scales for example), nose ... in turn

For each section choose an attribute that you think is perfect! For example the eyes of an eagle for great sight and the ears of a rabbit for amazing hearing.

Don't forget to give a reason for each of your choices!









# Complete the A to Z of animals.

Α	Ν	
В	0	
С	Ρ	
D	Q	
Ε	R	
F	S	
G	Т	
Н	U	
Ι	V	
J	W	
К	Х	
L	Y	
Μ	Ζ	



# Here are a few to get you started or to use as prompts if you get stuck!

Anaconda	Frog	Ох	Tree frog
Ant	Giraffe	Oyster	Trout
Antelope	Goat	Panda	Turtle
Baboon	Gold fish	Panther	Wasp
Bear	Goose	Parrot	Whale
Beaver	Gorilla	Pelican	Wild pig
Вее	Guinea pig	Penguin	Wolf
Beetle	Hamster	Pig	Zebra
Bird	Hawk	Piranha	
Boa constrictor	Hedgehog	Platypus	
Buffalo	Нірро	Polar bear	
Bull	Horse	Possum	
Camel	Iguana	Puma	
Cat	Jaguar	Python	
Cat fish	Jelly fish	Rabbit	
Caterpillar	Kangaroo	Raccoon	
Chameleon	Koala	Red handed monkey	
Cheetah	Ladybird	Reindeer	
Chicken	Lamb	Rhino	
Chimpanzee	Lemur	Salmon	
Cockroach	Leopard	Scorpion	
Cow	Lynx	Seal	
Crab	Lion	Sharks	
Crocodile	Lizard	Sheep	
Deer	Lobster	Shrimp	
Dog	Mammoth	Skunk	
Dolphin	Mole	Snail	
Donkey	Monkey	Snake	
Dragonfly	Moose	Spider	
Duck	Mosquito	Squirrel	
Eagle	Mouse	Starfish	
Eel	Newt	Sting ray	
Elephant	Octopus	Tiger	
Fish	Orang-utang	Toad	
Flamingo	Ostrich	Tortoise	
Fly	Otter	Toucan	
Fox	Owl		

# Super dooper animals

What is it about each animal that makes them so special? How are they adapted to suit their environment?

Animal	Part	Reason



# My perfect animal design sheet

Part	Notes	Draw your animal here
Head		
Ears, eyes, mouth (tongue and teeth too), skin (fur or scales for example), nose etc.		
Body		
Neck, back, skin, fur, etc		
Legs		
Feet, claws, etc		

	X
Meet the	Predators: what eats it
Habitat: where it lives	Life expectancy: how long it lives for
Diet: what it eats	Behaviour: what it does and doesn't like to do

To access this resource please log in to the Teachit Primary website and type 15531 into the search bar.

Drag the tiles to rank the animal features in order of importance.
ability to swim
ability to fly
strength
ability to communicate with others
capacity to have live young
speed
ability to use camouflage
large teeth
height
agility

#### Learning Outcomes:

- I know about the different plants and animals found in different habitats.
- I can describe how animals and plants in different habitats are suited to their environment.

#### Research

Use the internet and research books to find and list examples of plants and animals that live in each environment.

Arctic		Rainforest	Meadow
Mountain	-Fugay	Desert	Woodland
Ocean		Pond	Swamp

Pick one animal from each habitat and describe the features it has which help it to survive there. An example has been done for you.

A polar bear lives is white as this m camouflage it an predators. It has its body to insula cold.	akes it easy to d hide from thick fur all over		Rainforest	Meadow
	Mountain	-tuba	Desert	Woodland
	Ocean		Pond	Swamp

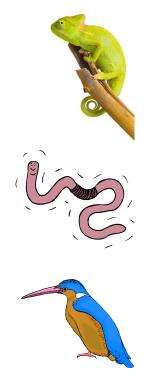
#### Test your knowledge!

*Complete the passage below by filling in the gaps.* 

environment	omnivores	prey	carnivores	adapt	habitat
		<u>⊢. •</u> )			
All plants and animals live in a The word habitat					
describes their local Some animals are					
others are predators. Animals that eat only					
meat are called Animals that eat both					
plants and animals are Sometimes plants and					
animals have to					
survive.					

#### Quick Quiz

- 1. Why do some animals camouflage themselves?
  - A. To hide from predators
  - B. To look pretty
  - C. To keep warm
- 2. Where would you expect to find a worm?
  - A. In a hot, dry place
  - B. In a dark, damp place
  - C. In a dark, dry place
- *3* Which habitat do kingfishers live in?
  - A. Rainforest
  - B. Meadow
  - C. River



Get ready to become a 'squirrel expert!' Read the following information carefully - you need to answer questions at the end to prove your squirrel expert credentials.





# The Squirrel

The squirrel is one of the best known animals in Britain. It is a small **mammal** that can be found in trees and woodlands. Some squirrels live in cities, parks and gardens where there are plenty of places to hide and climb.

Squirrels are characterized by their bushy tails and great agility; they can leap from tree to tree and run along narrow branches. Squirrels can even run head first down a tree trunk leaping up to six metres and still land safely. Squirrels use their tails to help them to balance and their claws to grip the bark.

Squirrels are mainly plant eaters. They eat fruits, nuts, acorns and seeds but are also known to eat tree bark, buds, flowers, birds' eggs and even

......

chicks! Squirrels have a strong sense of smell; they smell their food before eating it to make sure it is good.

There are two different species of squirrel living in Britain; these are red squirrels and grey squirrels.

#### Enemies

In the woodland, squirrels have many predators including buzzards, pine martens and foxes. In the cities, squirrels are more likely to be caught by cats and dogs.

The main enemies of the grey squirrel are humans. Foresters trap and shoot them in order to protect the trees from damage caused by their gnawing.

#### Reproduction

A female squirrel is pregnant for about six weeks. She gives birth up in a tree, in her nest called a drey. Young squirrels are called kittens and they feed off their mother's milk. A squirrel litter can contain between three and nine kittens.

Kittens are born deaf, blind and have no teeth or hair. They are completely dependent on their mother when they are born. The male squirrel does not help to rear the kittens.

Kittens stay in the drey for seven weeks. By this time, they have teeth and are ready to eat some solid food.

At four months old, the young squirrels are ready to leave their mother. They will go on to build their own dens or dreys. Sadly, up to 75% of kittens will not reach their first birthday. Some die from disease and others are killed by predators.



# **Grey squirrels**





The grey squirrel was introduced into Britain about 130 years ago from North America. Nowadays, there are more grey squirrels than red squirrels across Britain. The grey squirrel outnumbers the red squirrel by 16 to 1!

Grey squirrels prefer to live closely together in deciduous woodland with oak and beech trees.

The grey squirrel has a bushier tail than the red squirrel and weighs more. Grey squirrels are mostly grey haired, but some are half red and half grey and some are even black!





## **Red squirrels**

The red squirrel has lived in Britain for thousands of years. Red squirrels are found in Scotland, Wales and some parts of England.

.....

Red squirrels like to live in coniferous forests of spruce and pine trees. Red squirrels like to spread out in the woodland, unlike the grey squirrels.

The red squirrel is smaller than the grey squirrel with a smaller tail. It has reddishbrown hair. Name: ..... Date: .....



Now you are a 'squirrel expert' try answering the following questions. Refer back to the information and give as much detail as you can.

1)	What are the two different species of squirrel?
2) 	Squirrels can use their bushy tails to keep warm and what else?
3)	What is another name for a squirrel's den?
4)	What evidence can you find to suggest that squirrels are agile?
5)	When was the grey squirrel introduced into Britain?
 6)	What kind of woodland do grey squirrels prefer to live in?
7)	Which of the squirrels is larger, the red or the grey?

8)	Describe the appearance of a baby squirrel.
9)	How long do the young stay in the drey for?
 10)	What part do the males play in rearing the young?
 11)	How many kittens are estimated to reach their first birthday?
 12)	What enemies do squirrels have? Who is their worst threat?
13)	What do squirrels like to eat?

Create a glossary of the following words from the information pack.

drey	forester	
mammal	species	
coniferous	kitten	
predator	gnawing	



# Squirrels form part of a complex food web for woodland creatures. Draw a simple food chain for the squirrel including a single producer and predator

	Producer: what does a squirrel eat?	Consumer: in this chain is the squirrel	Predator: what eats squirrels?
Draw images of your choices			
	Name of producer:	Grey or red squirrel?	Name of predator:

	Producer: what does a squirrel eat?	Consumer: in this chain is the squirrel	Predator: what eats squirrels?
Draw images of your choices			
	Name of producer:	Grey or red squirrel?	Name of predator:

Get out and about! Have a work around your local area and see if you can find the trees which match these leaves. Draw a sketch of the tree or even better take a photgraph and then stick them in!







Get ready to become a 'fox expert!' Read the following information carefully - you need to answer questions at the end to prove your fox expert credentials.

# **Fox facts**

The fox is a sort of **wild dog.** It is related to domestic dogs, coyotes and wolves.

The fox found in Britain is the **red fox**. The fox can be found in many places including woodlands, farmland and in the countryside. Some foxes live in cities, parks and gardens where they are often seen roaming around at night.



#### **Appearance**

Red foxes are characterised by their orangered or rusty-red fur. The fur on their belly is usually white.

Foxes have bushy tails and blackish legs. They have large pointed ears and a long **muzzle**. However, not all red foxes are the same. Some have almost black fur and others have silvery grey fur.

#### Diet

Foxes are **omnivores** which means that they eat both plants and animals. What they actually eat is often determined by their **habitat.** Town foxes eat scraps such as old meat bones and those living near water eat dead sea birds. Foxes generally eat animals such as mice, birds, rabbits and beetles. Foxes also like to eat plant roots and black berries. Foxes are known as **predators** because they hunt and kill other animals.

Much of a fox's day is spent **scavenging** for food.

#### Did you know?

Foxes are known as **nocturnal** because they usually come out at night.

## Did you know?

Foxes have a very good sense of hearing and smell.

#### Enemies

The fox is not generally preyed upon by other animals and is said to be at the top of the food chain.

The main enemies of the red fox are humans. Farmers trap, hunt and shoot them in order to protect their livestock such as hens and young lambs.

Many foxes are killed on the roads at night. Foxes also have a tendency to suffer from a skin disease known as the **mange.** This disease can kill thousands of foxes every year.



#### Did you know?

Foxes like to hunt alone.

#### Reproduction

The male fox is called the **dog** and the female is known as the **vixen**. The young foxes are **cubs**. Foxes mate in or around January or February time.

The female is only pregnant for two months, in which time she prepares a warm, dry nest in the ground. The nest is called an **earth.** A litter of cubs is usually four or five and they are born in the spring. Newborn cubs rely entirely on their mother for warmth and milk.

They are born blind and deaf.

The role of the male fox is to bring food for the mother. Around May, the cubs begin to venture out of the earth with their mother and by October they are ready to leave home and fend for themselves.

#### Did you know?

Foxes are mammals.

Now you are a 'fox expert' try answering the following questions. Refer back to the information and give as much detail as you can.

- 1. What are the different habitats of a fox?
- 2. Which fox is found in Britain?
- 3. Describe the red fox.
- 4. What is another name for a fox's nest?
- 5. When do foxes prefer to hunt?
- 6. Why are foxes known as nocturnal animals?
- 7. Why are foxes disliked by farmers?
- 8. How do foxes prefer to hunt?
- 9. What are baby foxes called?
- **10.** Describe an infant fox.
- **11.** For how long do the young stay in their nest?
- **12.** What part do the males play in rearing the young?
- **13.** How many cubs are usually in a litter?
- 14. What enemies do foxes have? Who or what is their worst threat?
- **15.** What do foxes like to eat?
- 16. What colours can red foxes also be?







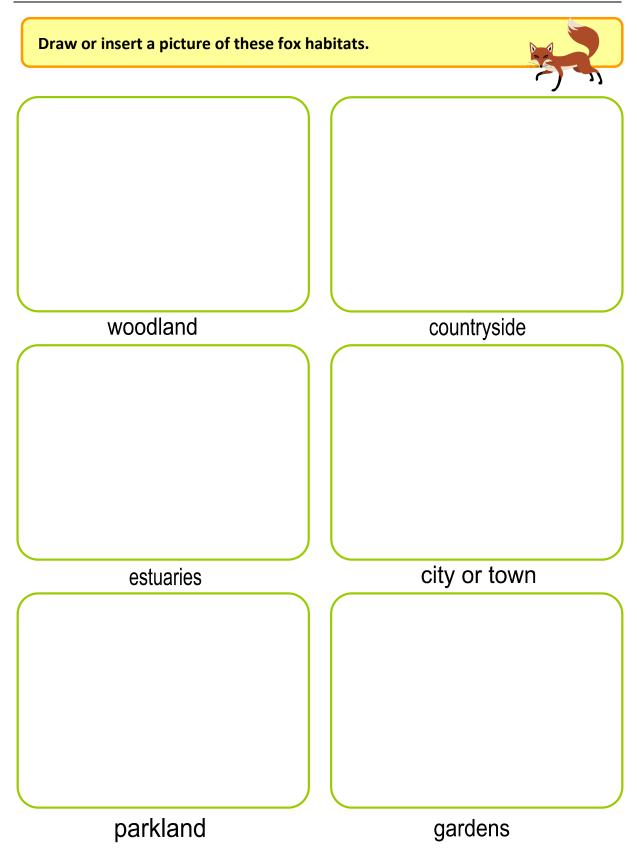


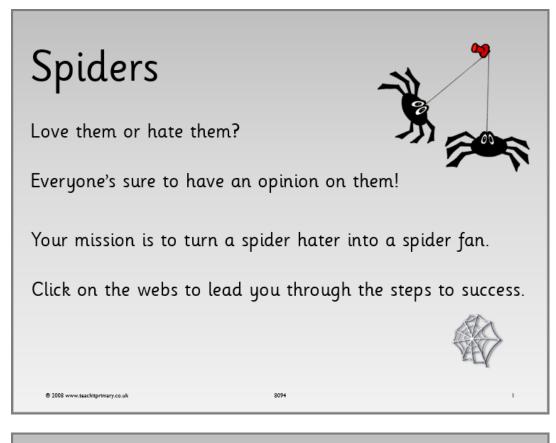


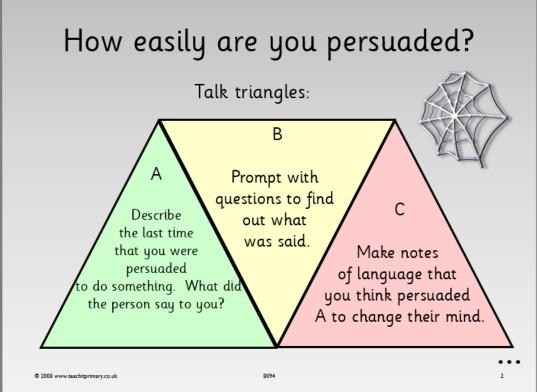


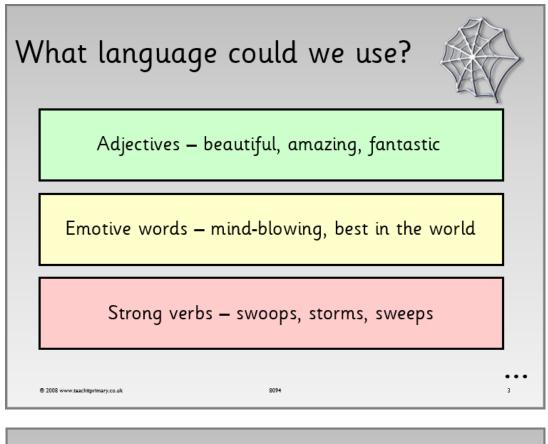
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Cre	ate a glossary of the following words from the information pack.
m	ammal
earth	
scavenger	
nocturnal	
habitat	
omnivore	
vixen	
dog	
food chain	
cub	
muzzle	
predator	









Some useful spider facts to back up your arguments

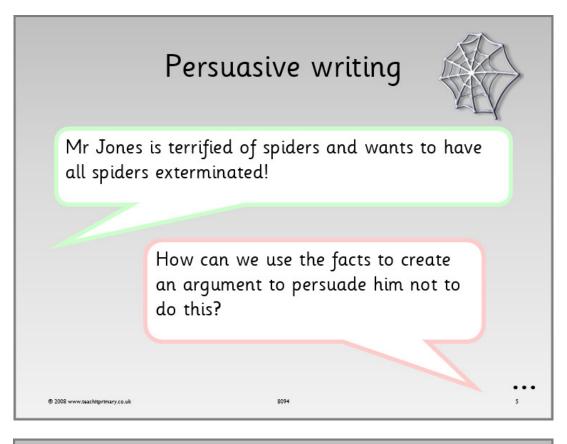
Spiders are born with an instinct for weaving webs.

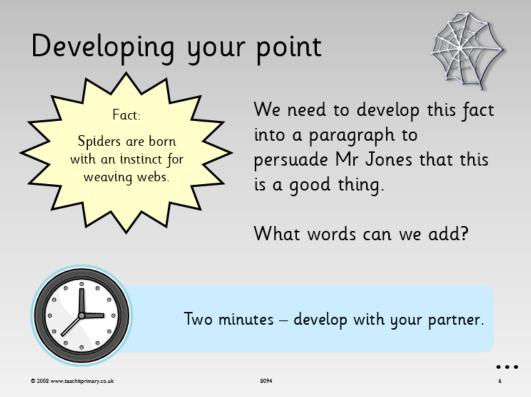
Spiders eat insects which are known to harm plants.

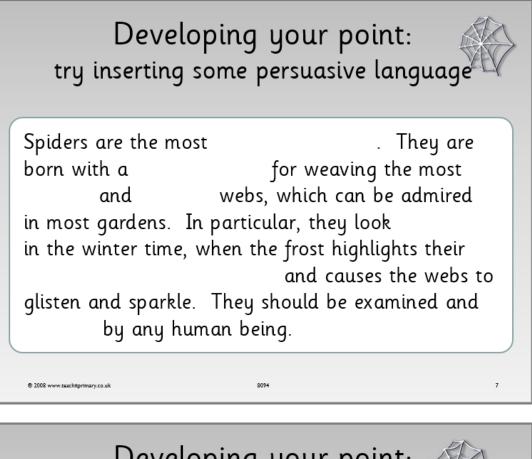
Spiders found in the United Kingdom are harmless.

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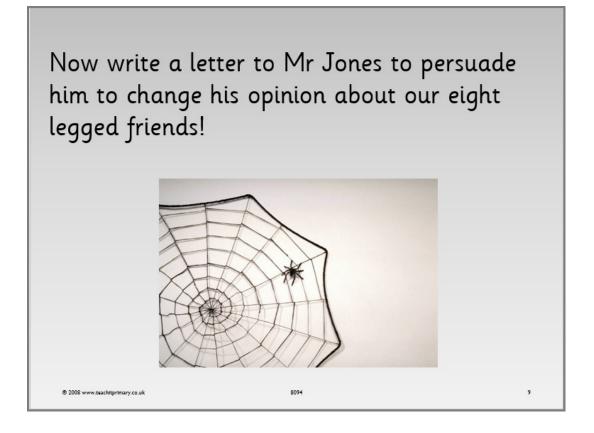




Developing your point: here are some suggestions with a superb instinct for weaving the most delicate and intricate webs, which can be admired in most gardens. In particular, they look stunning in the winter time, when the frost highlights their beautiful, diamond structure and causes the webs to glisten and sparkle. They should be examined and admired by any human being.

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Cut out the labels and pictures below. Match the picture to the animal name and stick each set onto one of your animal information cards.

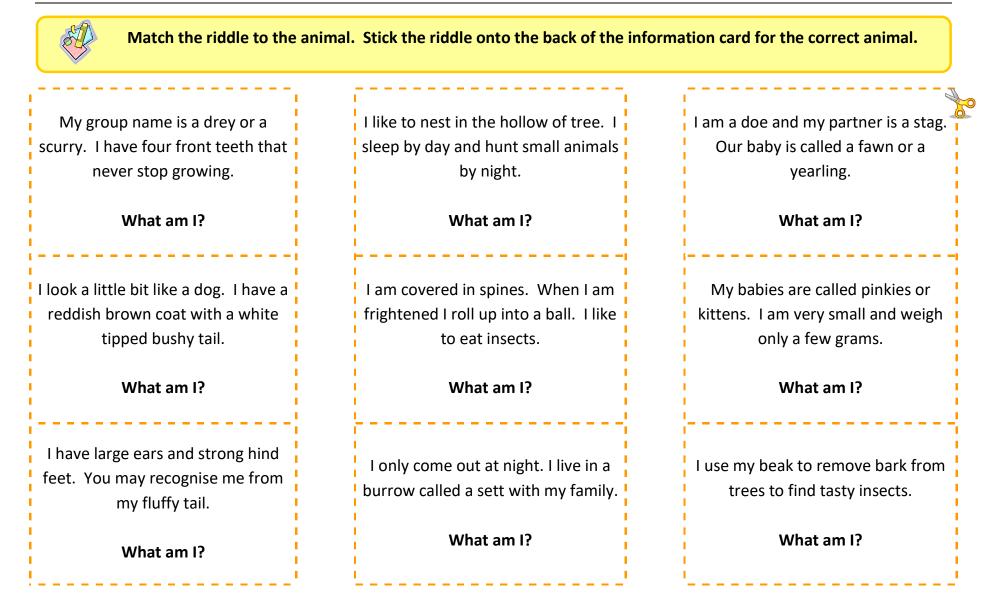
hedgehog	mouse	rabbit
fox	squirrel	woodpecker
deer	owl	badger





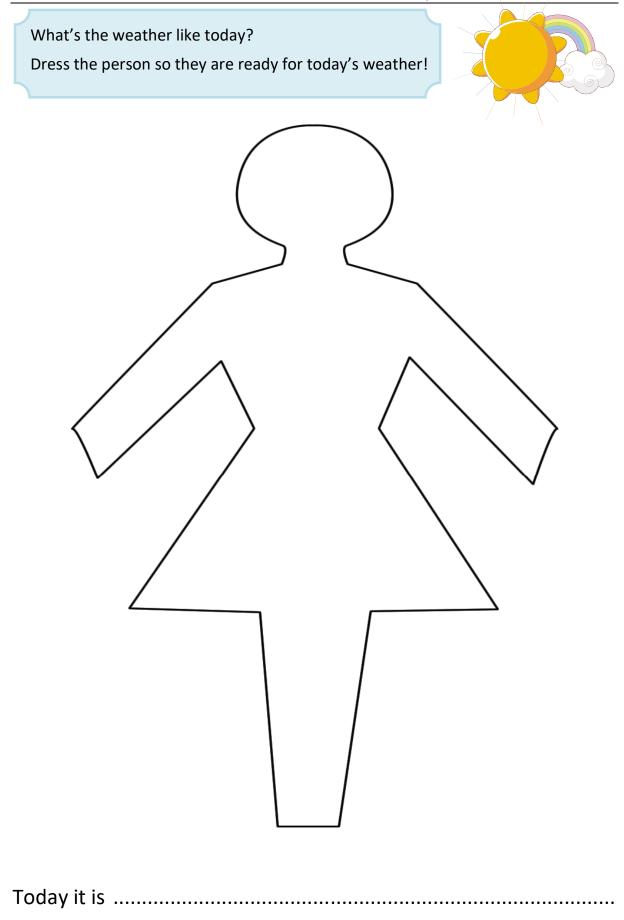
Stick the animal names and pictures on to the information cards. Use the internet and/or animal information books to help you to complete each card for each animal.

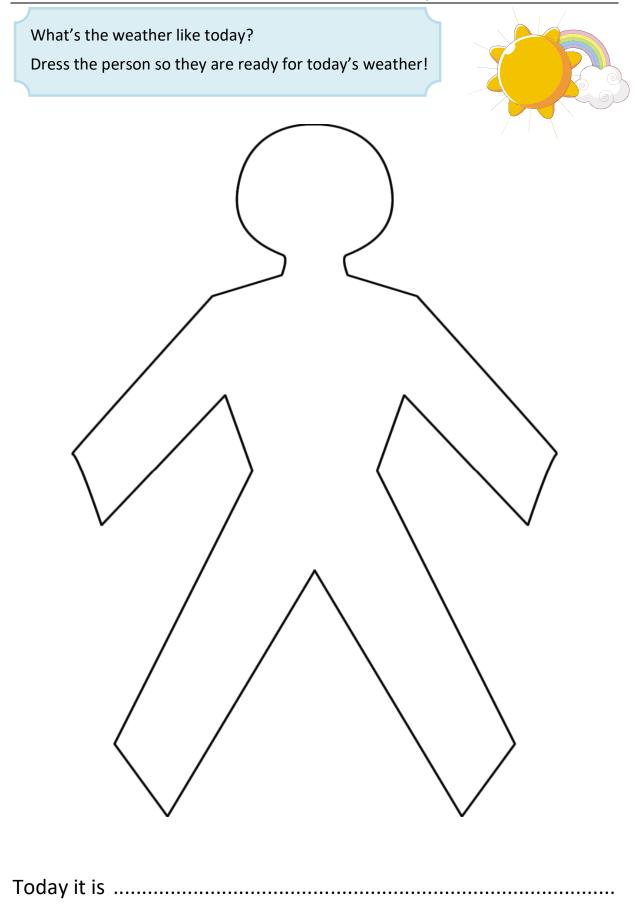
Animal information card		Animal information card			
	Stick animal name here			Stick animal name here	
	Stick animal picture here			Stick animal picture here	
			-     		
This animal lives		This animal liv	es		
It likes to eat			It likes to eat .		
In the winter	In the winter		In the winter		
This is someth	This is something else I discovered about this animal:			ing else I discovered about this anin	nal:

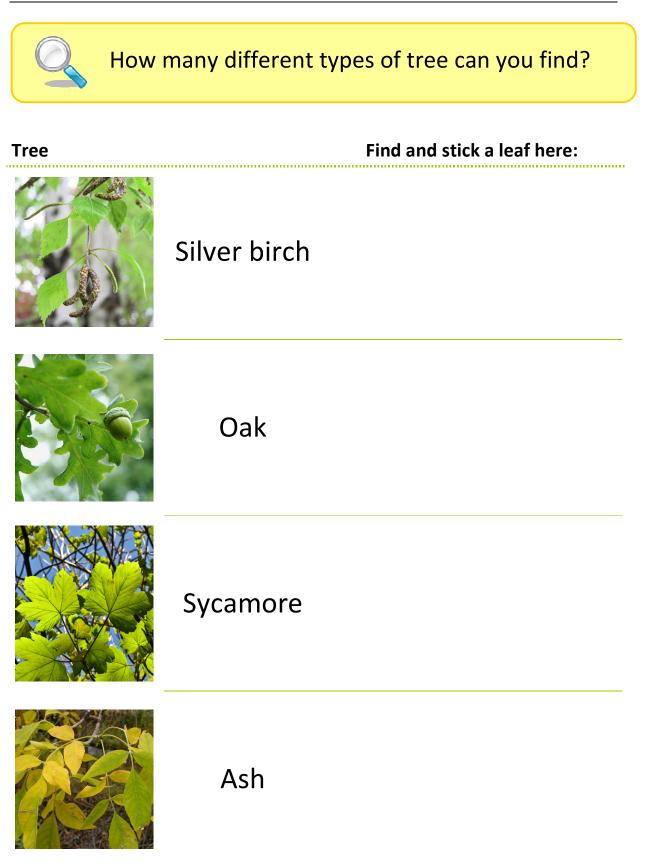


Sunday	What's the weather?			
Monday	cold	hot		
Tuesday		ΠΟΙ		
Wednesday	raining	sunny		
Thursday	misty	snowing		
Friday	cloudy	windy		
Saturday	frosty	icy		

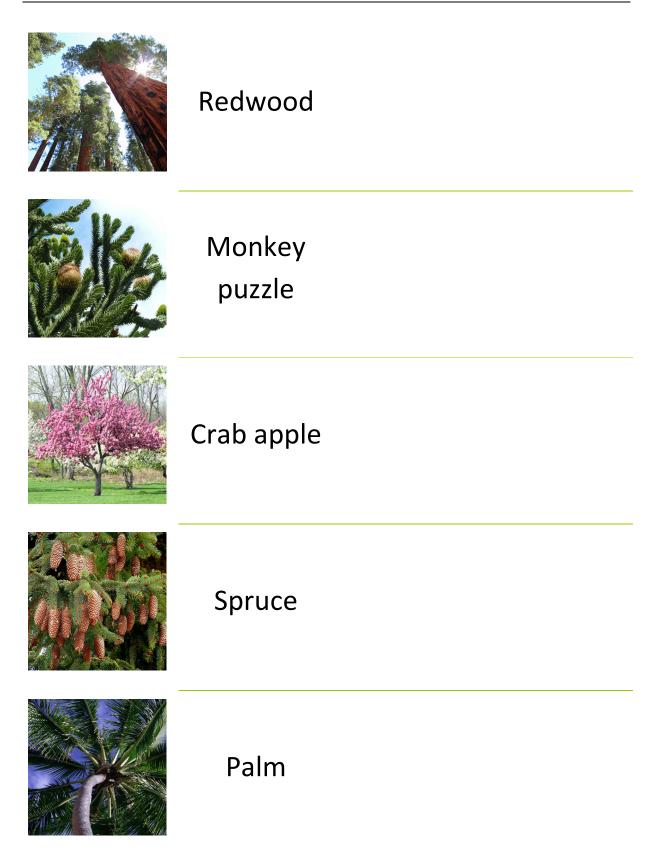
	What day is it?	What is the weather like?
Today is	•	Today it is .
Today is	•	Today it is .
Today is	•	Today it is .
Today is	•	Today it is .
Today is	•	Today it is .
Today is	•	Today it is .
Today is	•	Today it is .







Horse chestnut	
Elm	
Willow	
Beech	
Cedar	



#### Photo credits

Silver birch

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Oak

© hathome 2005 www.flickr.com/photos/hathome/37740495/

Sycamore

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Ash

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Horse chestnut

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Elm

© Jason Sturner 72 2005 <u>www.flickr.com/photos/50352333@N06/4645909547/</u>

Willow

© Public Domain Photos 2010 www.flickr.com/photos/free-stock/4904582345/

Beech

© themajesticfool 2009 www.flickr.com/photos/the-majestic-fool/3593494620/

Cedar

© hern42 2010 www.flickr.com/photos/hern42/5132918920/

Monkey puzzle

© wlcutler 2010 www.flickr.com/photos/wlcutler/4972822962/

Crab apple © bobosh t 2010 www.flickr.com/photos/frted/4520243670/

Spruce © olibac 2008 www.flickr.com/photos/olibac/2290880716/ Name: ..... Date: .....



Read the passage below. Which words would you use to complete it? Insert words from the box below to help you fill in the gaps.

skin	flesh	stalk grow		seeds			
dispersal	flower	through		leaves			
Inside fruit you will find These can into new plants.							
Around the seeds is the of the fruit. Both the flesh and the							
seeds are protected by the fruit's If you look carefully, you							
can find clues that show that the fruit was once a At one							
end will be a that was one the flower's stem. At the other							
end you will som	etimes find sma	ll, dead	(call	led sepals) that			
were once part of the flower.							

The flesh is full of sugar and is an important source of energy. Many animals will eat the fruit and the seeds along with it. In the end, the seeds pass ...... the animal and begin to grow where it lands. This is called *animal / seed* .....

Name: .....

Date:....



Take four different fruits and cut them in half. Draw what you see and label the following parts: seeds, stalk, flesh, skin

Name of fruit:	Name of fruit:
Name of fruit:	Name of fruit:



## A salad in a jar

To create a 'salad in a jar' follow these simple instructions. Record the growth of the plants by drawing a picture of the bean at each stage in the spaces provided.

#### You will need:

		مشس	Se		$\bigcirc$
an empty jam jar	a hankie	a large spoon	mung or adzuki beans	a cup of water	an elastic band

1 Put two spoonfuls of beans into the jam jar.	2 Pour some water over the beans so that the beans are covered.
3 Place the hankie over the top of the jar and put the elastic band round the top. Leave the beans to soak in a cupboard for 12 hours.	4 Pour the water out through the hankie.
5 Empty the water every day and add fresh water to the beans.	6 How long did the beans take to grow? Draw a picture of the sprouts.

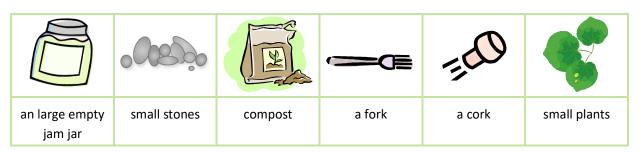


Photo by C. Liggett 2012, with permission

## A garden in a jar

Here are some instructions for growing your own garden in a jar. Write the instructions in the correct order below.

#### You will need:



Keep the compost damp.

Use the fork to make holes in the compost.

Cover the stones with the compost.

Put the stones in the bottom of the jar.

Put the plants in the holes.

Gently press the compost round the roots with the cork.

The instructions above have been jumbled up! Write them in the correct order here.

#### **Teaching notes**

#### Salad in a jar

The children can read the instructions and draw a picture in each box in order to record how they have made the salad in a jar.

The beans take about a week to grow and they are safe to eat.

#### A garden in a jar

Talk about why we put the stones at the bottom and the risk of water clogging.

Here are the instructions in the correct order:

- 1. Put the stones in the bottom of the jar.
- 2. Cover the stones with compost.
- 3. Use the fork to make holes in the compost.
- 4. Put the plants in the holes.
- 5. Gently press the roots with the cork.
- 6. Keep the compost damp.

Name: ..... Date: .....

Learning objective: To understand what plants need to grow well.

Look closely at the plant your teacher has brought in for you to study. Draw a detailed picture of it and include labels for the stem, root and leaves. Label any other interesting things you can see.

Think of all the things a plant needs to help it grow. Show this in the table below.

A picture of a plant that will not grow well

Use this vocabulary to write some sentences to explain what plants need to grow well.

stem	roots	leaves	soil	water	sun	materials
••••••						
×	M.	_	No Po			
4		X				

Name: ..... Date: .....

Learning objective: To investigate using a fair test.



Aim: To investigate how much water plants need to help them grow.
Equipment:
Method:
What we will keep the same:
What we will change:

Results:	Plant 1 no water	<b>Plant 2</b> 5ml water	<b>Plant 3</b> 20ml water	<b>Plant 4</b> 50ml water
Description of plant on day 1				
Description of plant on day 3				
Description of plant on day 5				
Description of plant on day 7				

Our conclusions:

Name: ..... Date: .....

## Learning objective:

- To name and label the parts of a plant.
- To state their properties and functions.

**Draw a plant in this box.** Use labels to show what the different parts are called. Can you add any other information about your plant?

## Can you match each part of a plant to its job?

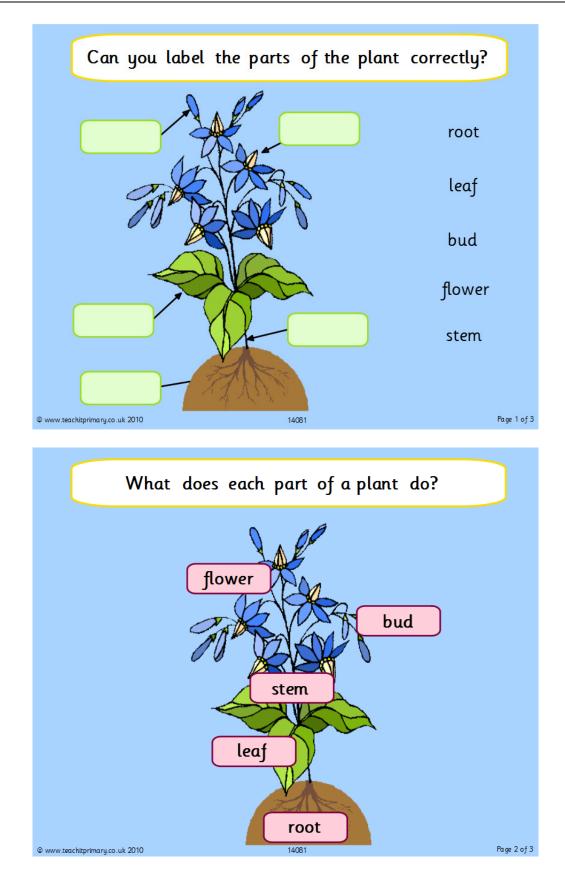
root	The stalk that supports the flower, leaf or fruit. It carries water to the leaves and flowers.
flower	The part of a plant that usually grows down in the soil.
stem	Green, flat foliage supported by the stem. It makes food for the plant.
bud	A small leaf and/or flower ready to grow.
leaf	The blossom of a plant. Their smell and colour attract insects.

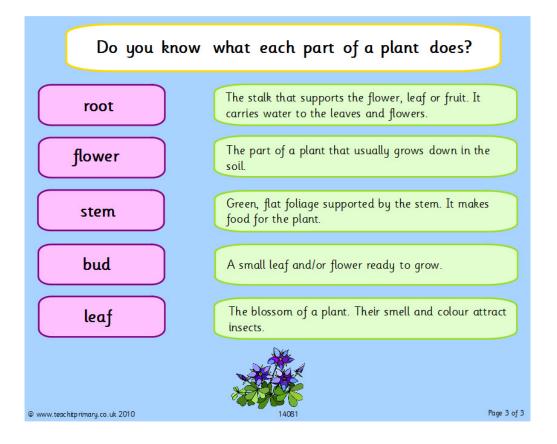
# What do the different parts do?

Fill in the gaps using the words below.

food grow ground					als
Water and minerals a	are carried a	round th	ne plan	nt by the	
I	t is the roots	s that tal	ke up _		
and water from the _		1	The roo	ots are also	very
important as they hold the plant in the ground, keeping it					
	Гhe bud is th	e new _			ona
plant. The bright col	ours of the _			attract	bees
which is important fo	or		. The		
use the sunlight, carbon dioxide and water to make					
for the plant.					







# Other curriculum areas

Where to begin, or rather where to stop?! Be it Maths – creating scale plans for garden designs or calculating costs for your outdoor projects – or Art, using viewfinders to identify that perfect focal point or looking at how nature has influenced the work of artists such as Andy Goldsworthy (a favourite of mine and most other Primary teachers I'm sure). Considering our own environment, how to improve it and maintain it and then comparing it with other locations is just what Geography is all about! Of course the Design technology model of developing ideas, planning, production and evaluation can be applied to a whole host of outdoor projects from building bird boxes or bug homes to creating dens. The list goes on and on ...

## 2014 curriculum links:

#### Other area aims met within this project pack

- (KS1 Design Technology) Build structures, exploring how they can be made stronger, stiffer and more stable.
- (KS1 Geography) Identify seasonal and daily weather patterns in the United Kingdom
- (KS1 Geography) Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs
- (KS1 Art and design) Be taught about the work of a range of artists, craft makers and designers, describing the differences and similarities between different practices and disciplines, and making links to their own work.
- (KS2 Science) Recognise that environments can change and that this can sometimes pose dangers to living things.

## **Teaching ideas**

- Looking for ways to improve the local environment is a key aspect of outdoor learning; after all if you're going to be spending more time there you want it to be pleasant! Taking a critical walk around the school grounds allows children to identify issues but also to come up with their own solutions. <u>Resource</u> <u>14084: School Improvements</u> and <u>Resource 15723: Design sheets – local area</u> are a brilliant starting point for these ideas and then <u>Resource 14085: Consider</u> <u>this</u> puts forward the dilemmas of building developments. <u>Resource 8286:</u> <u>Environment detective</u> is a good way for children to analyse the features of their own local park.
- From Lowry to Turner the world around us provides countless vistas to inspire our young artists, either looking out on a wide landscape or focusing in with a view finder to find that perfect picture. <u>Resource 14609: Portraits and</u> <u>landscapes</u> explores and presents ideas about art to children in a vivid and useful way.
- Using the environment itself as a medium, as with the work of Andy Goldsworthy, to create natural sculptures is great fun. If you live close enough a trip to the Yorkshire Sculpture Park at West Bretton would be a fantastic treat. If you are further afield a quick Internet search provides lots of images of his work.
- Establishing links with a school in a contrasting setting to your own is a great way of giving children a different perspective. You can exchange videos, letters, and photographs to build up a picture of another place. It doesn't have to be miles away so visits could also be on the cards.
- Everyone enjoys building dens but the challenge is; is it fit for purpose? Get children to consider the different criteria a den would need to meet if it were for a fictional character Stig of Dump or one of the Three Little Pigs, for example and then of course they will need to start construction. <u>Resource 9719: Build the Three Little Pigs' house</u> enables this, possibly followed by <u>Resource 15537: Tree-mendous tree houses</u> which is a great way to inspire children to imagine and plan their own space.

## Resources contained within the Other Ideas section of this project pack

School improvements	104
Design sheets – local area	106
Consider this	108
Environment detective	111
Portraits and landscapes	114
Build the Three Little Pigs' house	115
Tree-mendous tree houses	117

#### Learning objectives:

- To identify positive and negative aspects of a locality.
- To suggest a variety of ways in which a particular environment could be improved.



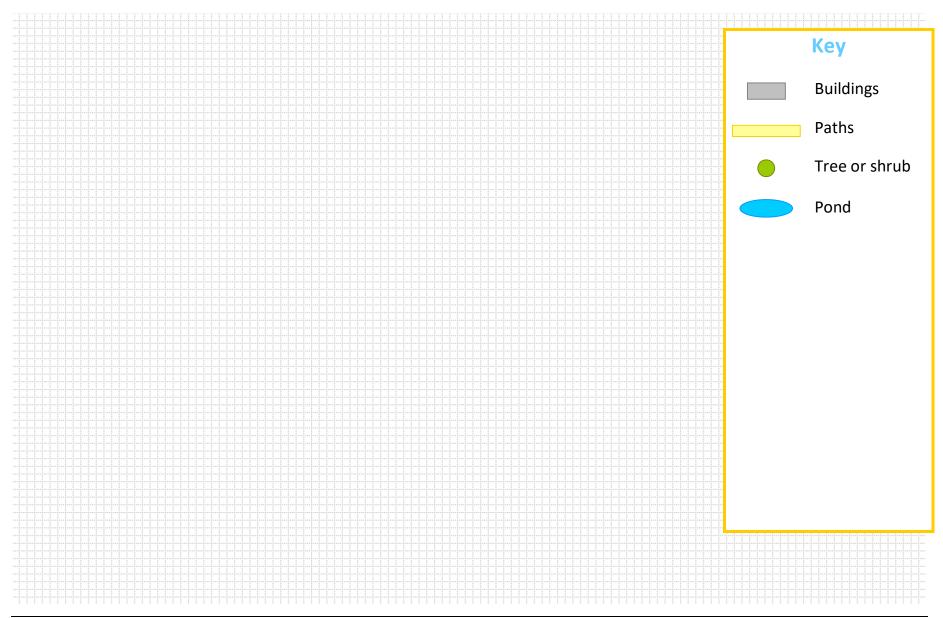
Think carefully about four different areas of your school. What aspects do you like and dislike about it? Use the table below to record your thoughts about the four locations.

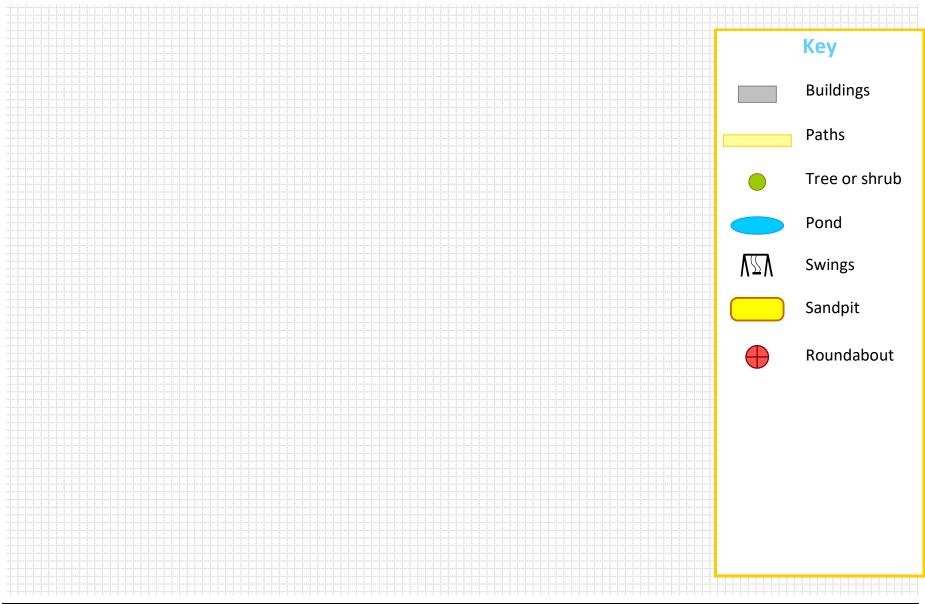
Location	Two positive things about the location	Two negative things about the location	Ideas for improving the location	Who would manage the work? How long would it take?

Select one area of your school. Carefully consider which aspects need improving and how you would do this. Include a detailed diagram of your design. Remember to include labels and information as to how it will be improved.

The area of school I want to improve is:				
The main issues for improvement are:				
(e.g. pollution, litter, general untidiness, not eco-friendly)				
•				
•				
•				
•				

My design for the area





Name: ..... Date: .....

**Learning objective:** To identify different facilities within the locality and understand their use and how they could be improved.

Imagine this letter has been sent to one of the people who own the land around your school. If you owned the land, what would you do? Write a list of the good and bad points about selling the land.

Customer Relations Green View Place Old Street Everytown ET1 1LM

 $1^{\text{st}}$  June 2009

Dear Mr Head

I am writing to offer you a considerable sum of money for your strip of land next to the primary school. The offer would be one lump sum of £1.2 million on acceptance (subject to planning permission).

We propose to build 100 new homes on the land, as well as a shopping block with room for four shops/units for business. There has already been interest in these units from newsagents, pizza companies, cycle shops and hairdressers looking to expand their businesses.

We foresee no problems acquiring planning permission and should therefore be able to have completed the deal by the end of next year.

In anticipation of your acceptance of this offer, we thank you and look forward to speaking to you in the near future.

Yours sincerely,

#### Mr S. Kipper

Location Manager

Now imagine you are the headteacher. What do you think will be on their list of good and bad points about the plan?

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Facilities	Frequency	Who uses them?	Condition/ notes
e.g. bus stop		Parents and children, elderly, students	Bus timetable missing from one stop

Take a look at the locality around your school and fill in the table below.

Possible locations for our development:

Traffic/road safety measures identified:



Your challenge is to develop a new road with accommodation for families and single occupants, to be built in the locality. There should be at least 50 dwellings, and the development needs to have a road name and car parking. There will need to be at least four useful facilities (consider some you have seen within the existing locality), and some road safety measures. It will also need a facility of your choice to improve the quality of life for all the residents of the new road.

#### Your project will need to include the following:

- A clear map indicating the chosen site, including reasons for choice
- A 3D model of the road
- A 2D bird's eye view plan of your road with a key
- An A4 information leaflet about the road, with specific information about the new facility that will improve the quality of life for residents of the road.
- ✓ A report outlining safety considerations for your road.

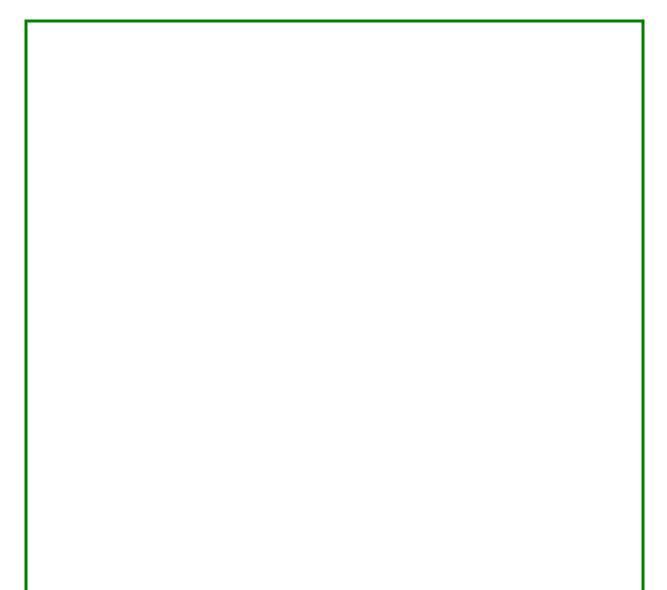
At the end of the project you will be asked to take on the role of an estate agent and persuade other members of the class why your road should be where they buy their first home.



Help! It's a constant battle to keep our environment in good shape, and it's not only the big picture we need to think about, but the smaller one too. Key word: environment = the thing(s) which surround us.

• Think about what your local park looks like/contains and draw a rough plan of it in the box below...

## My local park



 Now look at the grid below. Tick whether your park has the factors on the list and decide whether each thing is good or bad. Then give each factor a number from 1 to 5 (1= good and 5 = bad).

Factor to consider	1 = Good 🕲	2	3	4	5 = Bad 🛞
Litter					
Graffiti					
Signs					
Seating					
Plants					
Refreshment					
S					
Paths and walkways					
Play facilities					
Lake					
Disabled					
facilities					
OVERALL					

- Share your findings with a partner then listen to their views.
- Now think about your school environment. Do you think it's a good or bad environment?
- Could it be improved? If so, how?
- Now write a letter to your teacher explaining (politely) your thoughts on the school environment. Outline how you think it could be improved and who would benefit from your suggested changes.
- You could start:

Dear.....,

Thank you for taking the time to read my letter about our school environment...

To access this resource please log in to the Teachit Primary website and type 15531 into the search bar.

What would you like in your local park? Drag the tiles to rank the features in order of importance.
Seating
Disabled facilities
Litter
Lake
Refreshments
Play equipment
Plants
Signs
Paths and walkways
Graffiti



A **portrait** can be in the form of a photograph, a sculpture, a painting or other representations of a person's face and expressions.

The subject of a portrait is generally in a still position and looking towards the artist or photographer.

A self-portrait is when the artist creates a portrait of him or herself. Here is an example of a self-portrait by Vincent Van Gogh, 1889. This is a painting using oil on canvas.

**Task one:** Create a portrait of a friend using pencils or another medium of your choice.

**Task two:** Create a self-portrait of yourself. You can look in a mirror or you may base your representation on a photograph.



A **landscape** is a work of art which generally depicts an area of land. It can include features such as mountains, deserts, forests or river.

A landscape is sometimes thought of as a backdrop to people's lives and there is often a human presence or some evidence of human life.

A **seascape** can be a painting, drawing, photograph or other work of art which represents the sea. Both landscapes and seascapes can depict the weather.

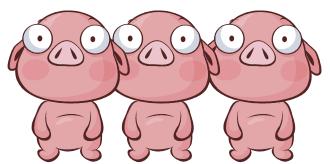
**Task one:** Create a landscape using pencils or another medium of your choice.

**Task two:** Create your own depiction of the sea in the form of a seascape.

## Instructions

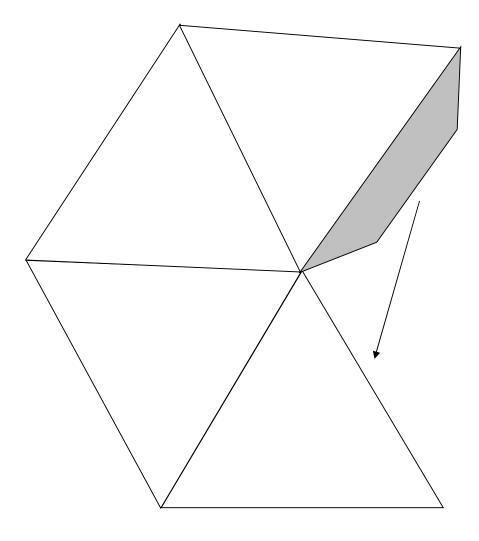
You will need:

- the house and roof templates
- scissors
- glue or double-sided tape
- coloured pencils.
- 1. Carefully, cut out the house and roof templates.
- 2. Fold along the lines.

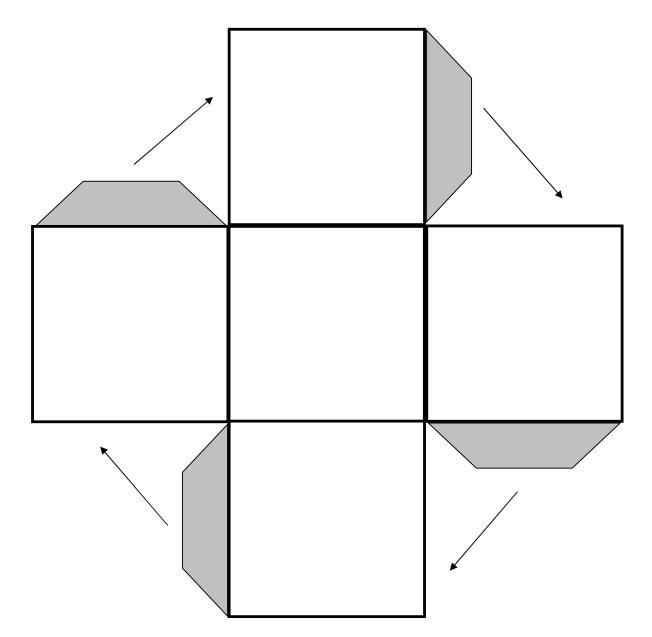


- 3. Now draw a door, windows and decoration for your roof and house. Remember to plan where to put your doors and windows otherwise they might end up upside down!
- 4. Stick the shaded tabs to where the arrows are pointing on the roof and house.
- 5. Place the roof on the house. See if you can blow it off (you might need to hold on to the house at the same time)!

# Roof template



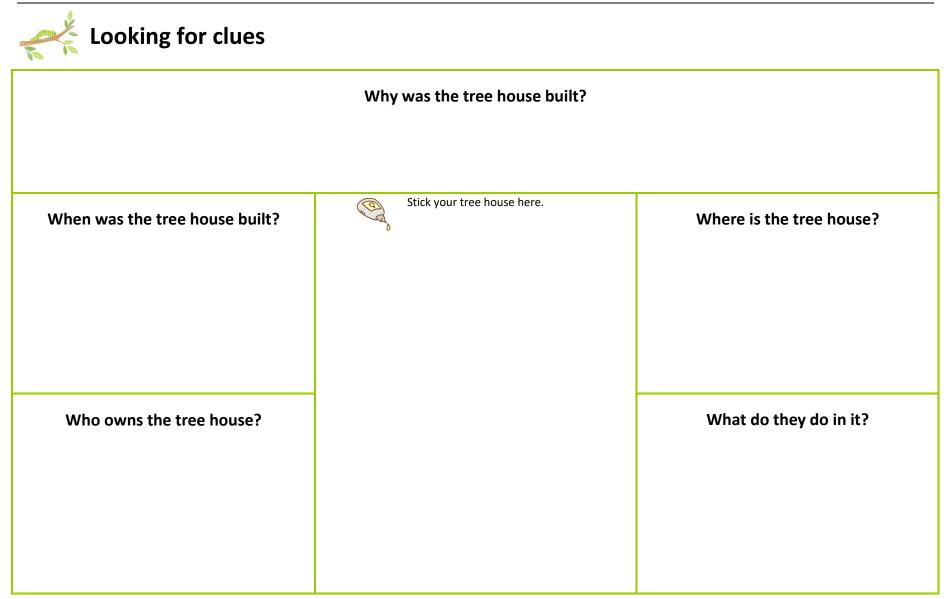
# House template

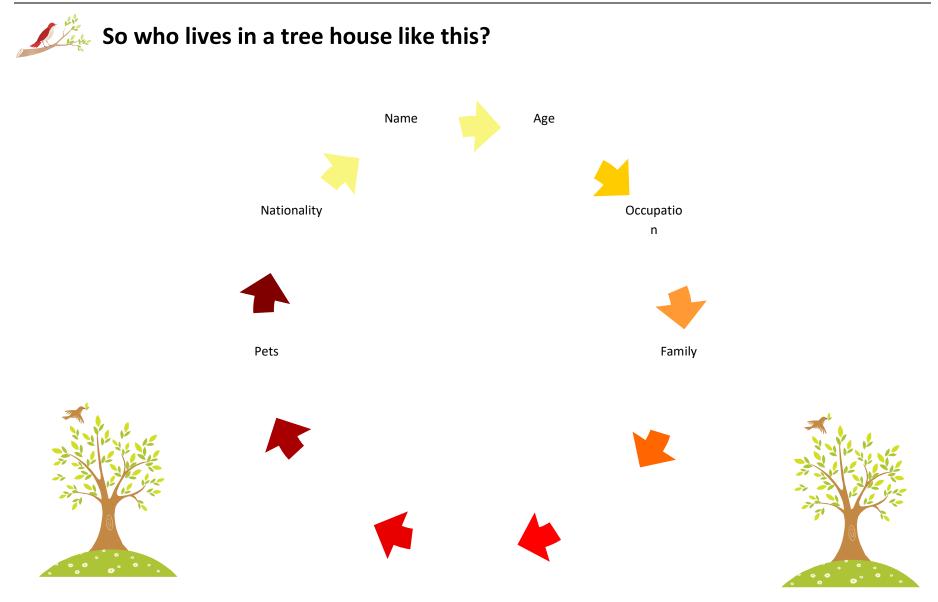




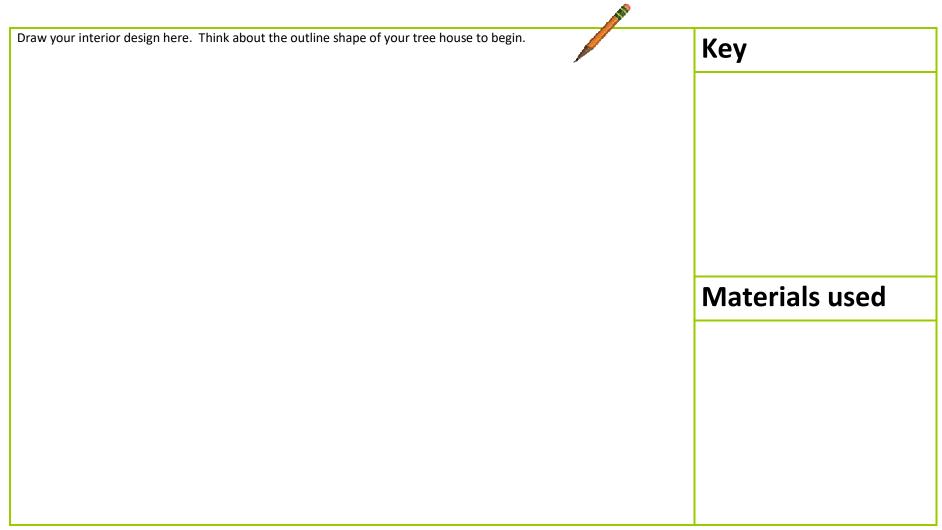


First impressions						
How did it make you feel when you first saw it?		My tree house		What do you think it would be like to live inside it?		
		Stick your tree house here.				
What materials do you think were used to build it?						





# Taking a step indoors



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