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Mrs Angie Motshekga, Minister of Basic Education



Mr Enver Surty, Deputy Minister of Basic Education

These workbooks have been developed for the children of South Africa under the leadership of the Minister of Basic Education, Mrs Angie Motshekga, and the Deputy Minister of Basic Education, Mr Enver Surty.

The Rainbow Workbooks form part of the Department of Basic Education's range of interventions aimed at improving the performance of South African learners in the first six grades. As one of the priorities of the Government's Plan of Action, this project has been made possible by the generous funding of the National Treasury. This has enabled the Department to make these workbooks, in all the official languages, available at no cost.

We hope that teachers will find these workbooks useful in their everyday teaching and in ensuring that their learners cover the curriculum. We have taken care to guide the teacher through each of the activities by the inclusion of icons that indicate what it is that the learner should do.

We sincerely hope that children will enjoy working through the book as they grow and learn, and that you, the teacher, will share their pleasure.

We wish you and your learners every success in using these workbooks.



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We need healthy food to live



Our bodies need healthy food so that we can grow. We must eat some food from each of the food groups every day. We need to eat healthy food so that we will have enough energy to do everything we need to do. If we don't eat healthy food, we can become very ill.

The five food groups





Water gives us life

Let's talk

Why do we need water?
People, plants and animals
need water to stay alive.
It also helps our bodies to
remove waste products.



Let's do

Every day we use water in our homes. Tell your friend about all the things you can think of that we use water for. Then draw 4 pictures to show how we use water. Write a caption above each picture to explain what it is about.

4

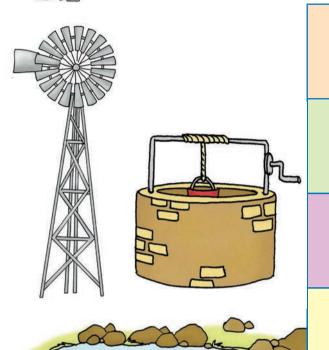
Dat.e.



Date:



Where do we get water from? Draw a line to connect each word to the correct picture.



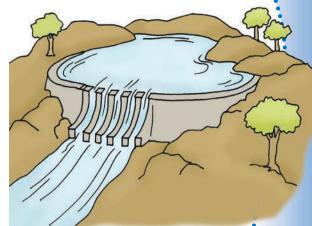
spring

windmill

river

dam

well







Before you do an activity outside, first stretch like a cat. This will make it easier for your body to move. Also stretch after the activity to relax and cool down. This will help you not to get pains in your muscles. Now do these three activities.

- Jump like a frog. Make frog noises.
- Throw a ball or a bean bag to each other. Catch it.
- Then throw the ball or bean bag up high and catch it.
- Balance a bean bag on your head and have a walking race with your friend. See how long you can keep the bag from falling.





We save water

Let's talk

Water is very precious, so we should not waste it. Talk to your friends about different ways in which we can save water.





Write two ideas for saving water in the spaces below.



Use your crayons to make a colourful poster about saving water. Your poster should encourage others to save water. When you've made your poster, show it to your friends.





Let's play the game "What's the time, Mr Wolf?"

Date:

One of you must be the wolf.

Take turns to ask, "What's the time, Mr Wolf?"

Each time you ask, the wolf must say what the time is.

But, if the wolf says, "Lunch time!", he will begin to chase you. You will need to run before he catches you.

Now get a hoop to play with.

You and your friend must take turns to walk across the hoop, first on your feet and then on your hands. Follow your teacher's instructions to do this safely.

Then hold the hoop upright while your friend crawls through it. Take turns to do this.

Lastly'
in groups of 4'
in groups and present
practise and prican
a South African
dance.







Clean air gives us energy



Let's read

The air we breathe in has oxygen. This helps our bodies to use the food we eat. We then get energy to live. When we breathe in dirty air, our bodies cannot work well.



Let's write Sit with your friend. Together, fill in the spaces below:

I need clean air because

When air is dirty

Air gets dirty when _____

What we can do to keep air clean:



Date:



People need sunlight to be happy and healthy. It helps our bodies make Vitamin D. We need this to form strong bones. Too much sunlight can also be bad. We can get painful sunburn. You should use sun block or a sun hat to protect your skin from the sun.



Let's write Fill in the spaces below:

I can be safe from too much sunlight if I:

l._____

2. _____

3.

Let's sing Sing this song and clap the beat.

You are my sunshine

My only sunshine.

You make me happy

When skies are grey.

You'll never know, dear,

How much I love you.

Please don't take my sunshine away.

You should use sun block and wear a sun hat to protect your skin from the sun rays.





q

5

Myself and others



We all like to have good friends. How do you know if someone is a good friend?



Let's write

In the space below, make a list of the things that make someone a good friend.



- Ι.
- 2
- 3.
- 4



Think about these questions and then write down your answers.

How many friends do you have?

What is the name of one of your best friends?

For how long have you been friends?

What is special about this friend?

Date:

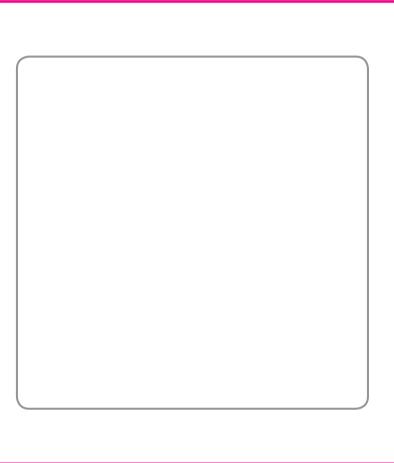


Sit with your friend and talk about these statements. Add a tick (\checkmark) in the box if they are true, and a cross (x) if they are not true.

Friendship checklist	Add a 🗸 or a 🗶
My friend cares about me.	
My friend helps me.	
My friend shares with me.	
My friend does not fight with me.	



Think of something you could do to make your friend feel special. Then draw a picture about it in the frame. Remember to decorate the picture frame. When you have done this, talk about the cool and warm colours you have used in your picture.





Write 2 sentences about your picture.

Teacher: Sign: Date:

(1)

The people around us

Let's talk

Look at the pictures. Think about what good friends do, and talk about it in your group. Now think about what bad friends do. Add a tick (\checkmark) in the star with each picture showing good friendship, and a cross (\checkmark) to those showing bad friendship.





Date:



Read each of the sentences and then colour in either the Yes face 💙 or the No face 🤼.



My classmates are nice to me.

I am polite to the people around me.









You and your friends must try to step on each other's shadows. Take turns to see how many shadows you can step on. You can keep moving to prevent your friend from standing on your shadow.





No more bullying

Let's write Look at each of the pictures.

What would you do if you were the child who was being bullied? Next to each picture, write one sentence about how we should treat other people.









Make up a role play with your friend about a child who is bullying another child. Then say what we can do to prevent bullying.

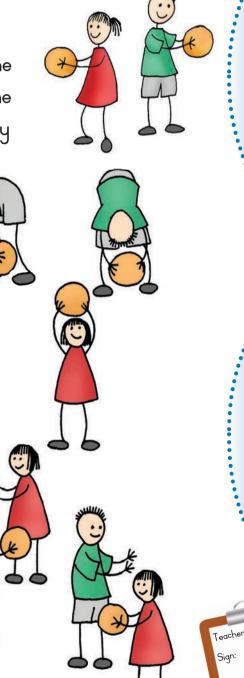




Do it outside Arrange yourselves into teams of 5.

Then form a line and pass a ball to each other along the line. See which team can pass the ball to the end of the line in the shortest time. When you have done that, try passing the ball in different ways:

- Pass the ball between your legs to the classmate behind you.
- Pass the ball over your head to the classmate behind you.
- Pass the ball to your left to the classmate behind you.
- Pass the ball to your right to the classmate behind you.
- Now throw the ball to each other and see how many times you can catch it.



8

Everyone is special



Look at the pictures and say how these children are the same. Say how they are different.

















Do this next activity in a group. Look at all the other children in your class. Then read each of the following statements. If a statement is true, add a tick (\checkmark) in the box on the right, and if the statement is wrong, add a cross (×).

J	Add a 🗸 or a 🗶
Do the boys and girls look the same?	
Does everyone have the same hair colour?	
Does everyone have the same eye colour?	
Does everyone have the same size hands?	
Are all the classmates the same height?	



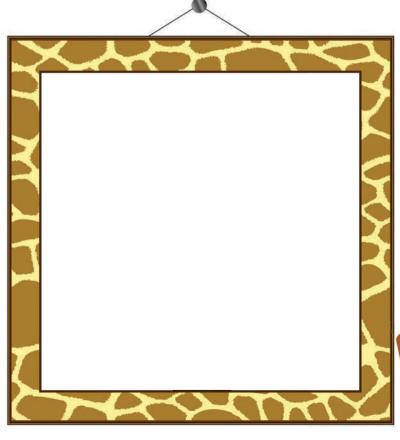
Can you see that we are all different? And can you see that we are also all the same? Talk about the ways in which we are the same.



Draw a picture of yourself. Then use some lipstick to make your unique fingerprint next to the picture frame.



Did you know that no one else in the world has your fingerprint? You are unique and special!





How we feel

Talk to each other about how you feel when something good happens to you. Now talk about how you feel when something bad happens to you. We call these feelings emotions. Fill in how they feel.





Let's write ig)

Let's talk

Write answers to the questions below.

What makes you glad?

What makes you sad?

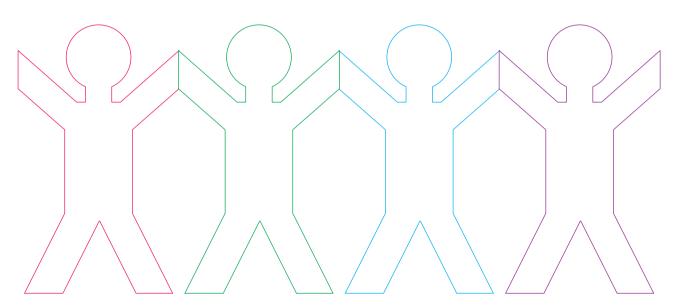
What makes you afraid?

What makes you happy?



Draw and colour in this friendship chain. Try to make each doll look different, to show that we are all different and unique. When you have done this you can cut out the friendship chain from the cut out page in the middle of this book. Make each doll look different and let them stand on your desk to remind you that we are all special.





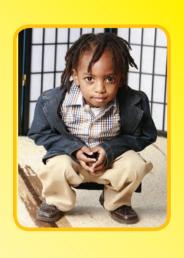


Make your body as big as you can.

Then try to make your body as small as you can.

Now try to make it as long as you can.

Lastly try to make it as short as possible.





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People with disabilities



Let's talk Look at the pictures.

- What different kinds of disabilities do you see?
- What does each of these children use to help themselves?
- What kinds of problems do you think these children have in their everyday lives?
- Talk about how we can help them.





Let's write

Look at the pictures below. Complete the sentences.

Rosemary can't walk.

She uses a

to move around.



wheelchair

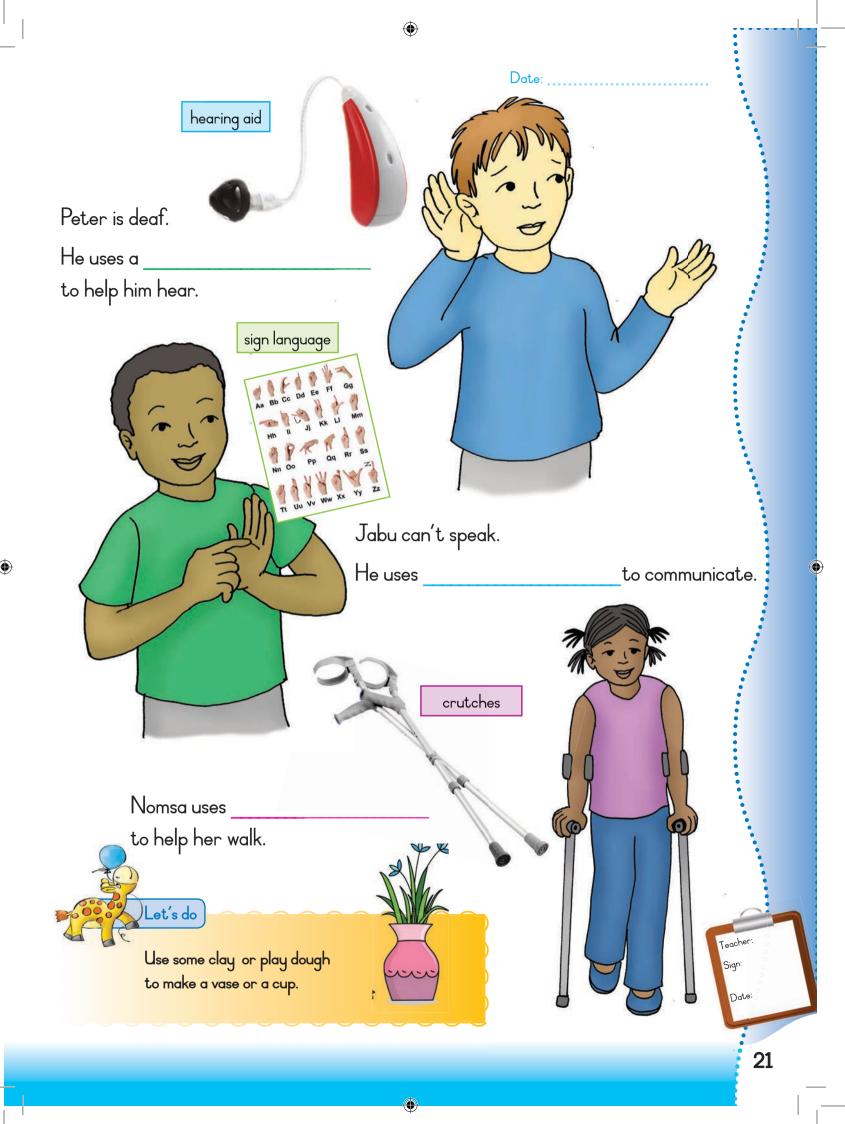


Thabo is blind and uses

to find his way.



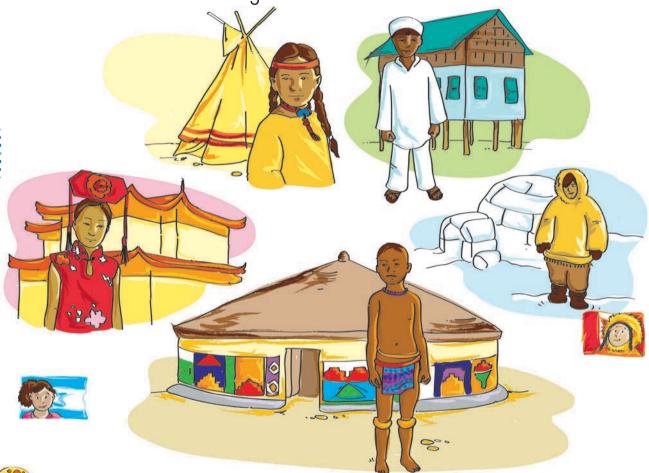
guide dog



All children are special

How are these children different from you? Let's talk

How are they the same?



Let's read People all over the world celebrate special holidays.

We all like to play and sing. We all need food to eat. We must all go to school. If we are sick, we all need a doctor. We must all be neat and clean. We should not have to get a job.

We are all children.



Date:



Ask 3 friends these questions. Fill in their answers in the spaces below.

Fill in your friends' names.		
What is your religion?		
What special celebrations do you have?		
What do you eat?		
What special clothes do you wear?		
Who do you celebrate with?		



Look at the picture. It is a map of our world. You can see that our world has land and sea.
Colour the sea blue.
Colour the land brown.
Draw a few fish in the sea.





Talk about whether there are children with disabilities in your school.

What could the school do to help them while they are at school?

Can disabled people become



champions?

Let's talk

Some heroes have disabilities.

They are role models for us to follow. In South Africa, there are many sporting champions who are disabled. Do you know any disabled people who are good at sport?

Natalie du Toit lost the bottom part of her left leg in a motor cycle accident. She walks with an artificial leg but swims using just one leg.



Talk about people with disabilities who do wonderful things. Think about:



Deaf people writing songs. Can you think of an example?



	~ +	



In the spaces below, give details about your hero or role model.

My hero or role model is:

Draw a picture of your hero or role model. Write words next to your picture which best describe him or her. Examples: friendly, helpful, courageous, loving.

How can you be a hero? Discuss ideas with your friend.

Now write a story in which you became a hero. Fill in below:

One day I

I decided to

Ι

That was how I became a hero.

Teacher:

Date



Water purification



Let's read) Look at a glass of water.

Can you see anything in it?

No, you can't. But did you know that there are sometimes germs in water? These germs are tiny and cannot be seen with the naked eye. If you drink water without first getting rid of the germs, you could get very sick. We always need to make very sure that the water we drink is clean and pure.



Talk about what can happen if we drink dirty water. Now look at the pictures below. Talk to your friend about the different ways we can purify water.



Add chlorine tablets to water.



Boil water for 5 minutes.





Filter water.



Which water do you think is safe to drink? Colour the water droplet blue if you think it is safe to drink.

River water

Sea water

Borehole water

Tap water

Water that has been bought in a bottle

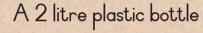
Date:

Water that has been boiled in a kettle



Work in groups and make a water filter to purify water. Listen carefully when your teacher explains what you need to do.

You will need the following:



Fine sand

Coarse sand

Small stones/gravel

A pair of scissors

Cotton wool





et's write Number the steps for making a water filter in the right sequence.

200	s writes	
	Add fine sand on top of the cotton wool.	
	Turn the bottle upside down.	
	Add coarse sand.	
	Carefully cut the bottom off a plastic bottle.	
	Pour the muddy water in.	
	Drop small stones or gravel into the bottle.	



Jorksheel Worksheel

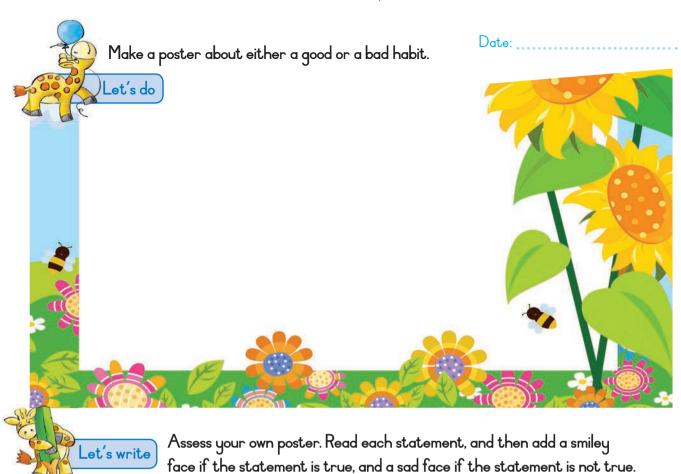
A healthy lifestyle

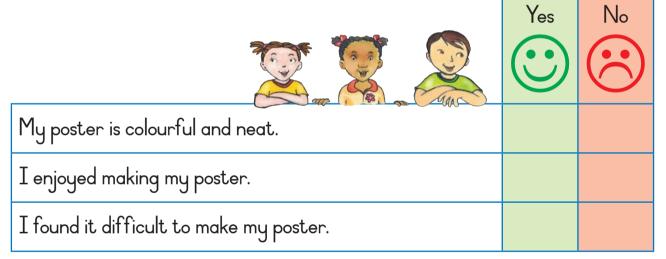
Let's read

Read about each of these good and bad habits. If you think it is a good habit, add a tick (\checkmark) , and if you think it is a bad habit, add a cross (x).

Habits	Good	Bad
The teacher helps the learners to read.	V	×
I eat healthy food.		
I throw rubbish out of the car or taxi window.		
I wash my hair regularly.		
I eat a lot of sweets.		
I keep my nails and ears clean.		
I brush my teeth once a month.		
I pick rubbish up and throw it in a rubbish bin.		
I wash my hands after going to the toilet.		
When I cough or sneeze, I hold my hand in front of my mouth.		
I exercise regularly.		
I wash my hands before eating.		
I lie around in front of the TV for hours.		
I sit with adults who smoke.		







Do it outside

- How far can you jump? Use three pieces of rope.

 Jump over them. Keep moving them further apart
 to see how far you can jump.
- Then, ask two of your friends to swing the rope so that you can skip.
- Take turns to skip.





Perishable and non-perishable products





Talk about foods that need to be kept cool to prevent them from going bad. Decide which foods don't need to be kept cool, but can be stored in a cupboard. Cut out the pictures on the cut-out page and paste them either in the fridge or in the cupboard.





Religious and other special days

People all over the world celebrate special holidays. What holidays will you celebrate?

At Christmas time we get presents. We give presents to our to our families.

_et's read

We have a Christmas tree in our house. We put the presents under the tree. We decorate the tree and put a star at the top.

At Christmas time we spend time.

At Christmas time we spend time with our loved ones.



We can't wait for Diwali. This is the time when we get lots of sweets and lots of presents. We pack delicious sweets and cakes in boxes and give these to people who visit us. We light small lamps and put them around the house.



Let's sing

Sing a song that you know for any of these special days.





We can't wait for Hanukkah.

We will have lots of good food to eat.

We like to eat pancakes and doughnuts. We also like to get presents. Our cousins come to visit us. We all help to make the food and we light candles in our house.

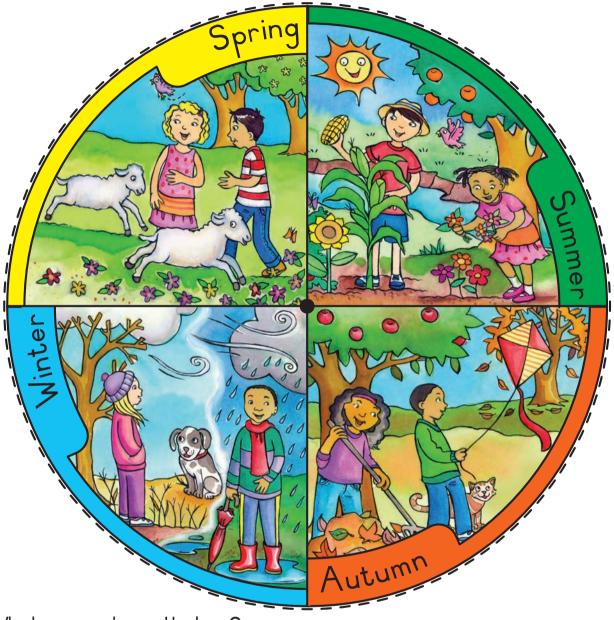
Soon it will be Eid. I hope we will get nice presents. We will give our friends presents too. We will have lots of cakes and sweets to eat. We know that it is Eid from the shape of the moon. It is on a different date each year.





The seasons

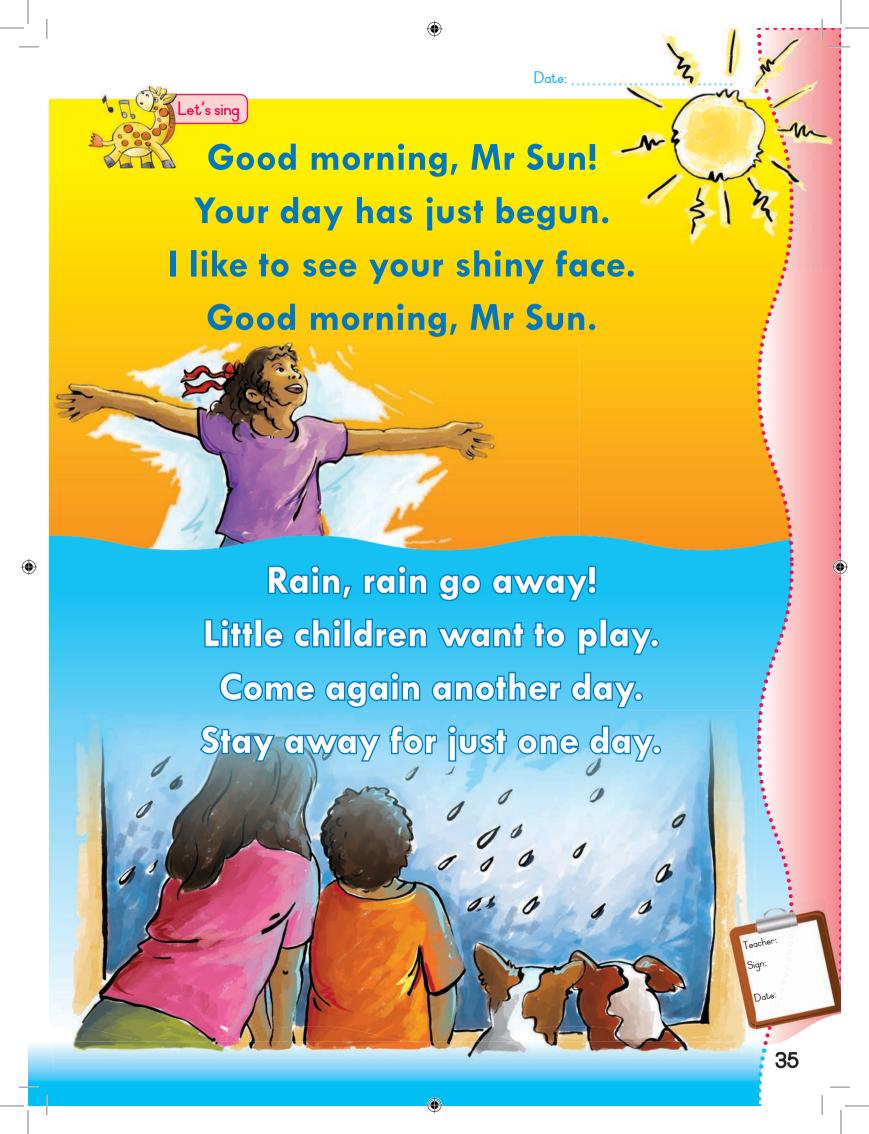
Look at the pictures of the four seasons. Tell your friend what you see in each picture. Say how the four seasons differ.



Which season do you like best?

Why do you like this season?

In which season is your birthday?

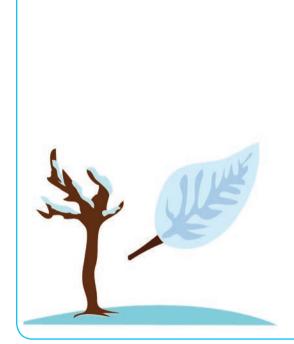


18

The four seasons

Let's do

Cut pictures of the seasons from the cut-out page at the back of the book. Paste each picture next to the name of the correct season.



June
July
August

winter

September
October
November



Date:



December

January

February

summer

March April May





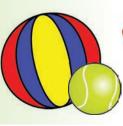
Practise your ball skills.

Bounce a ball against the wall.

March on the spot while bouncing the ball.

Now run and bounce the ball around the beacons.









About the seasons





Summer

The weather is sunny and warm.

The days are long and the nights are short.

We can stay cool by swimming or sitting in the shade.

Autumn

The weather cools down.

The leaves begin to turn golden and fall off the trees.

The birds fly to warmer places.





Winter

The weather is cold.

In some places there is snow or frost.

The days are short and the nights are long.

Some animals sleep through the winter (they hibernate).

Spring

The weather is warm.

The plants start to grow and there are blossoms on the trees.

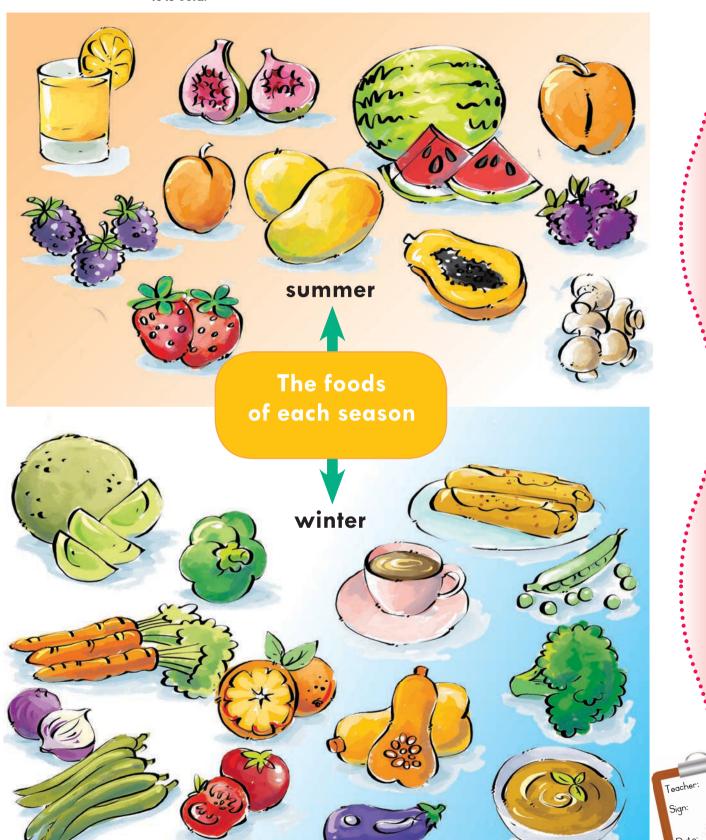
Birds begin building nests and laying eggs.





•

Different foods grow in different seasons. Look at these summer and winter foods. Tell your friend what you like to eat when it is hot and when it is cold.



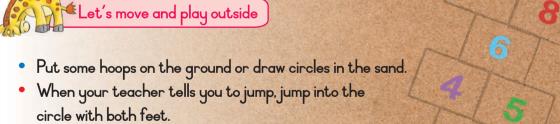


Dressing for the weather



Draw a boy and a girl. The boy must wear warm winter clothes and the girl must wear cool summer clothes.





- When your teacher tells you to jump, jump out of the circle on one foot.
- Play hopscotch.
- Use a piece of chalk to draw the circles and squares on the ground.







Tell your friend what kind of clothes we wear during each season. What clothes do you prefer wearing?

Draw a line from the description of the clothes we wear to the picture with these clothes.



Dressing for the weather

If it is sunny we must wear hats to protect ourselves from the sun.

When it is warm we must wear cool clothes.

If it is cold outside we need to wear warm woollen clothes.

On rainy days we need a raincoat and an umbrella.



Date:











The effects of the seasons







In the spring the trees begin to bud.

We see more birds and bees and flowers and new leaves.

The birds make nests and lay eggs.

The farmers shear the sheep.

Summer

In the summer farmers pick their fruit. The baby animals are more active.

In many places it rains heavily and there are thunderstorms and lightning.

Grass, bushes and flowers grow more thickly, and trees grow taller.







Autumn

Some animals store their food as they prepare for the winter.

The leaves of the trees start turning yellow, brown, red and orange.

The grass begins to turn brown.



Winter

Some animals sleep through the winter. We say they hibernate.
They keep warm because their coats get thicker.



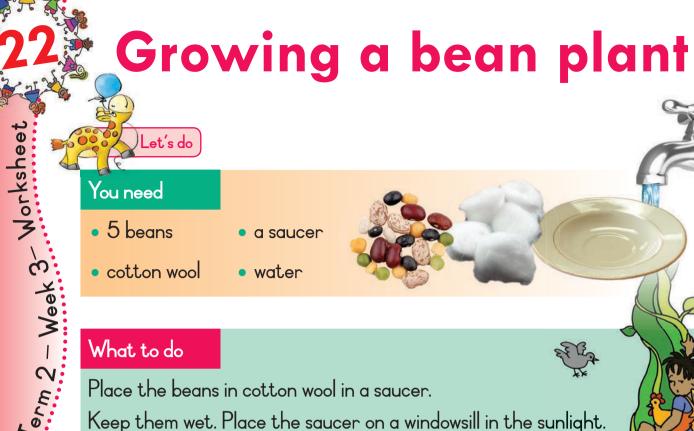


What do some anima	als do througl	h the winter?)
	J		

How do some animals	orotect themselves against the cold?	r

When do birds return to warmer countries and begin nesting?	
---	--





You need

- 5 beans
- a saucer
- cotton wool
- water



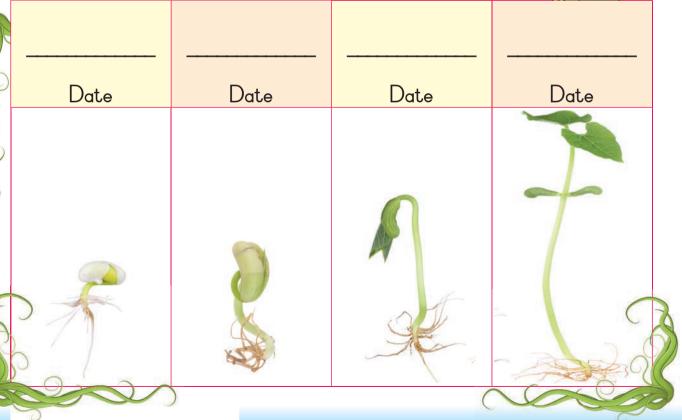
What to do

Place the beans in cotton wool in a saucer.

Keep them wet. Place the saucer on a windowsill in the sunlight. Watch the beans for the next two weeks. See how they grow.

Look at the pictures of this bean plant.

When your plant looks like this fill in the date.



44

Date:



•

Make up a play about an animal.

You can show a bear or a squirrel collecting and storing food for winter.

(

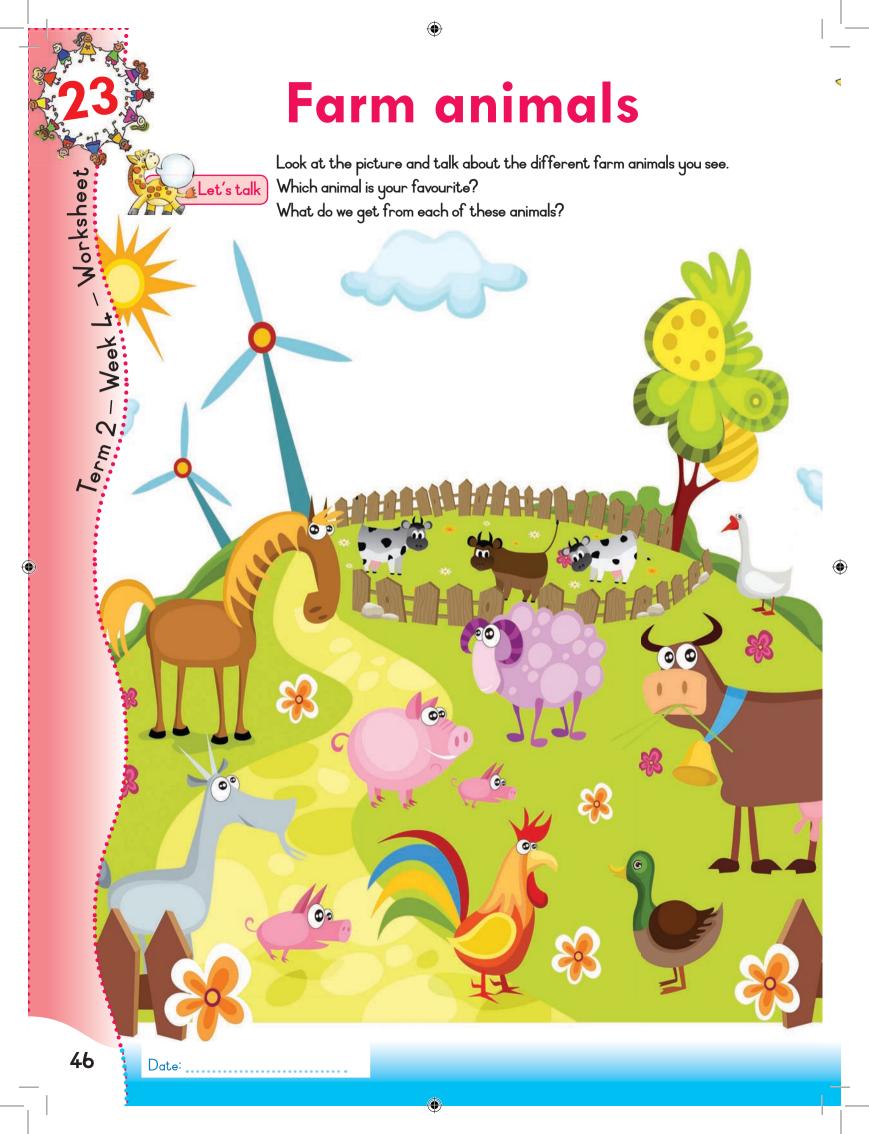


Fly like a swallow going to a warmer place.

snake looking for a good place to hibernate.



Teacher:
Sign:
Date:







Fill in the correct answers into these tab	les.
We have done the first one for you.	

-
1616

Male	ram
Female	ewe
Baby	lamb
Sound	baa
Shelter	kraal

Date:



Male	
Female	
Baby	
Sound	
Shelter	

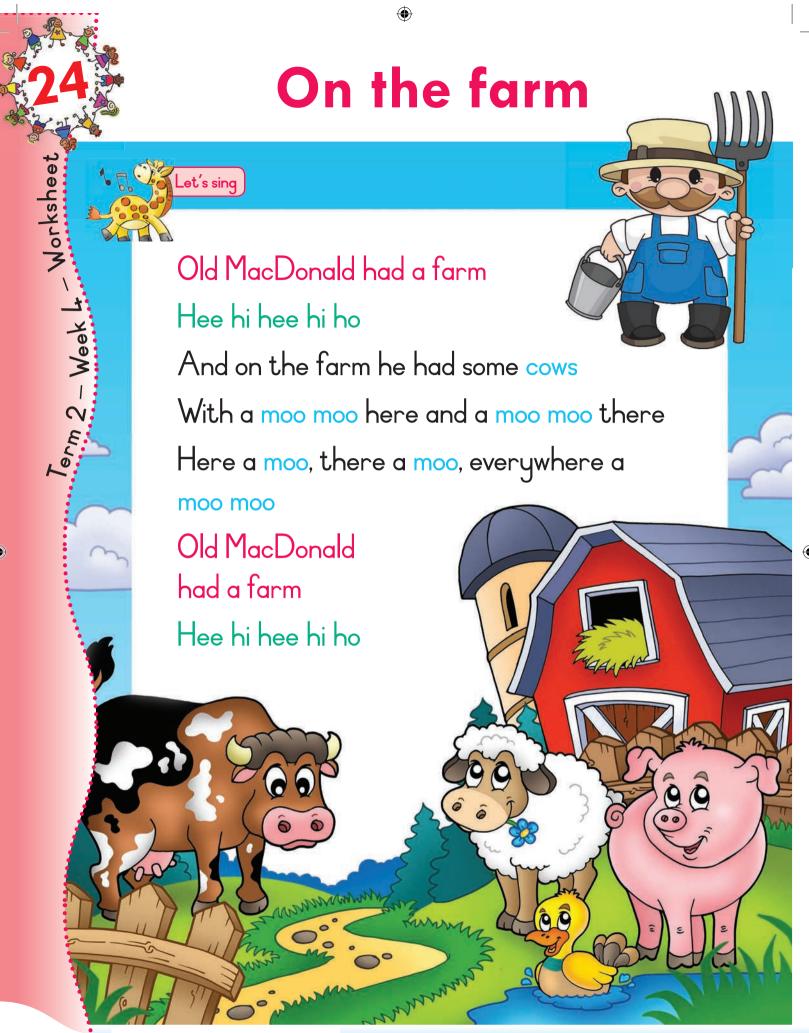


Male	
Female	
Baby	
Sound	
Shelter	



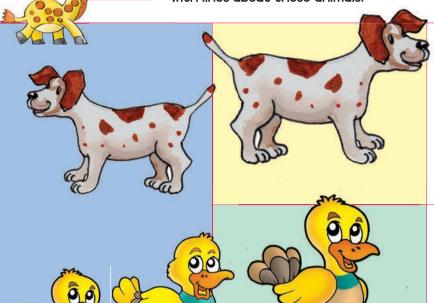
Male	
Female	
Baby	
Sound	
Shelter	











Let's sinq

And on the farm he had some dogs.



And on the farm he had some horses.



- Walk along a beam without falling off.
- Throw a ball in the air and catch it without falling off.
- Then gallop like a horse.
- Waddle like a duck.
- Walk like a robot.



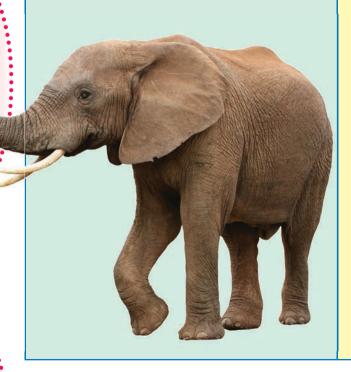






Lions belong to the cat family.

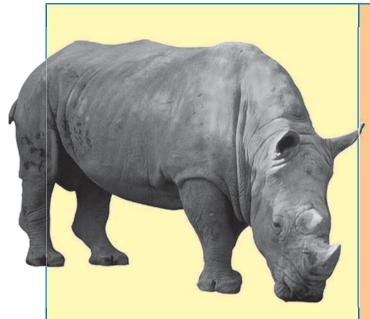
The lion is seen as the king of the animal kingdom. Lions hunt and kill animals such as buck and zebras. The females do most of the hunting. They often hunt in groups. Lions prefer living on open grass fields. Lions can roar very loudly.



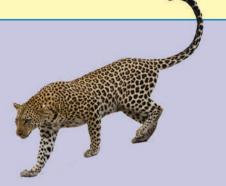
Elephants are the largest mammals on land. They are in danger because poachers hunt them for their ivory tusks.

Elephant's tusks keep growing all through their lives. Elephants use their trunks to bring roots, fruit and water to their mouths. They eat up to 200 kg of food a day and drink 190 l of water.

John 2 - Week 5 Worksh



There are two kinds of rhinoceros (mostly called rhino) — the black rhino and the white rhino. Rhinos can't see very well, but they have a very good sense of smell. Rhinos are very large and can weigh up to 2500 kg. Rhinos are regularly hunted for their horns by hunters and poachers. We need to protect rhinos from hunters who kill them for their horns.



The mature leopard can grow to a length of 2 m. Its coat is light brown with black spots in the form of circles. The leopard can climb well and has no trouble hunting in trees.

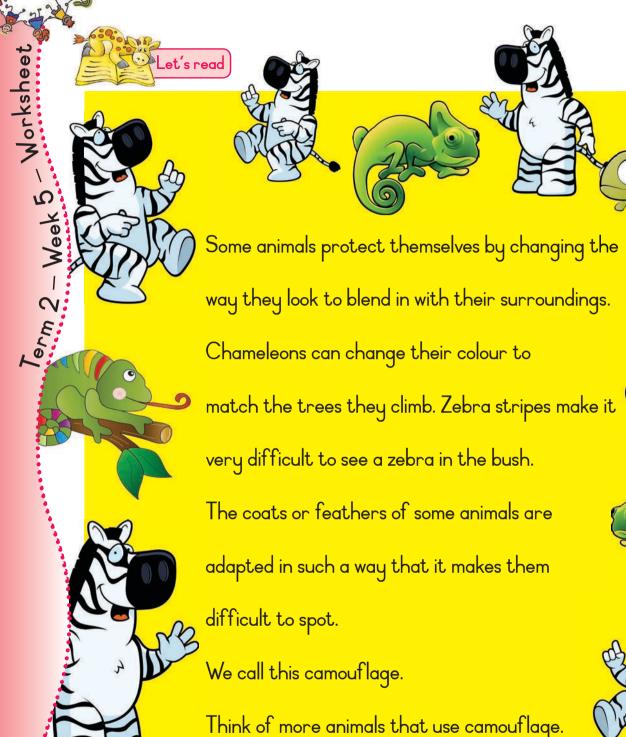


Buffalo live in herds. When there is danger, the cows and calves gather in the centre of the herd and are encircled by the bulls for protection. Some buffalo can grow to a height of 1,7 m.





How animals hide

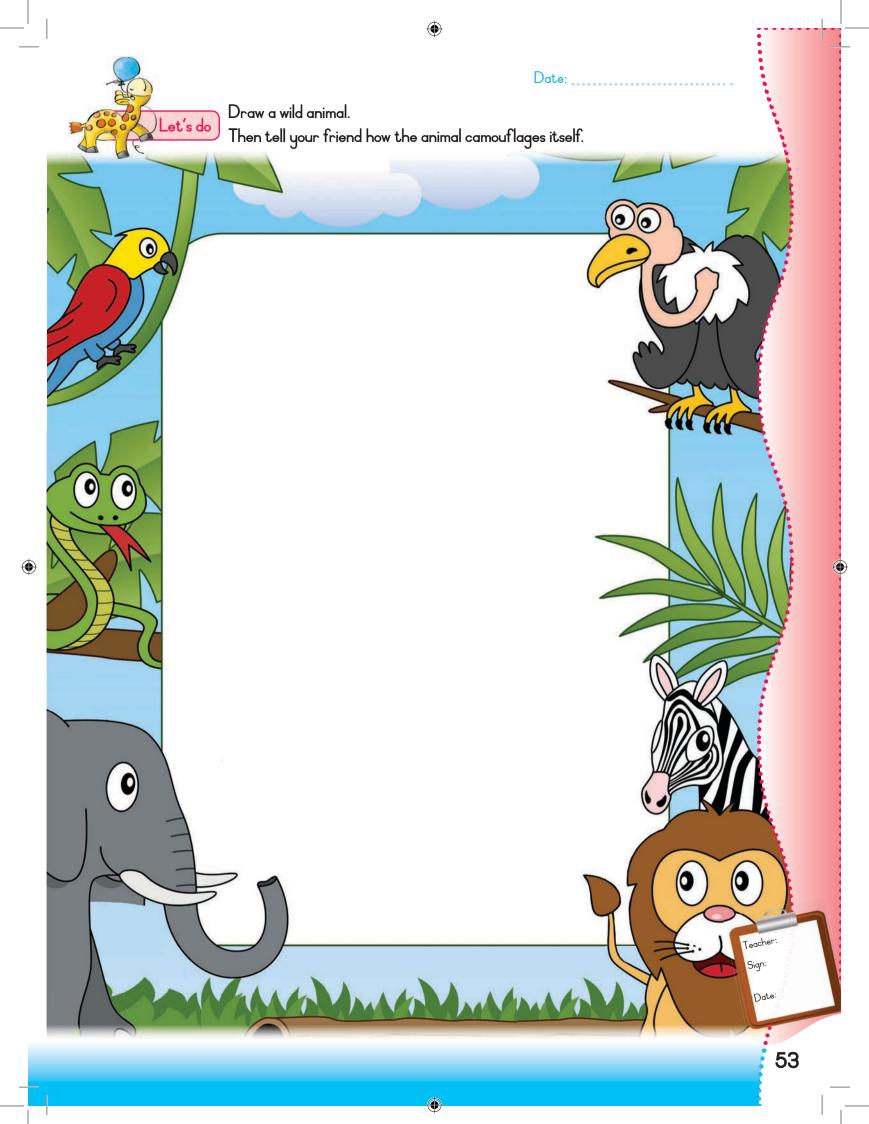




Your teacher will show you how to play musical chairs.



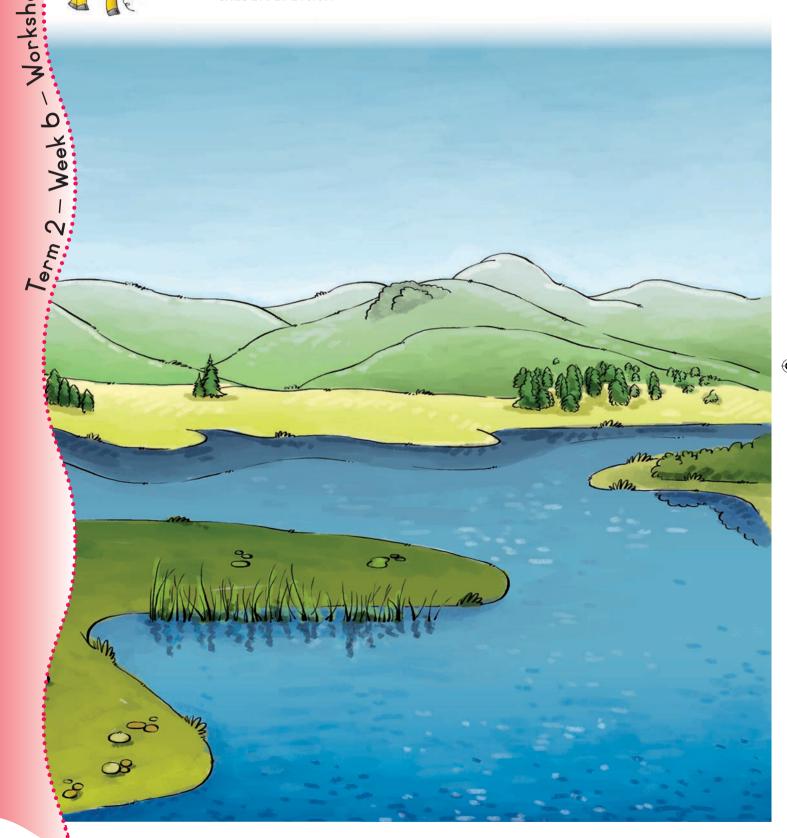






Water animals

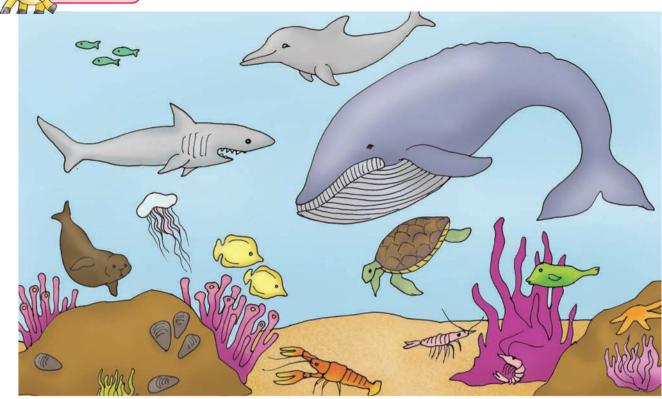
Complete the picture by adding drawings or pictures of animals that live in a river.



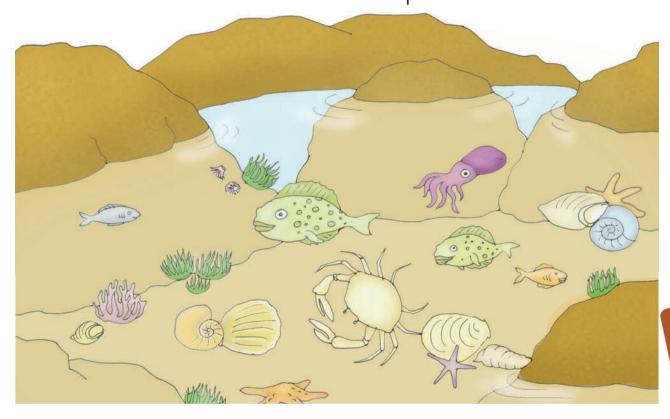
Data.

Creatures of the deep

Let's talk Let's look at all the different animals that live in salt water.



There are also smaller animals, that live in rock pools in shallow water.



Sign:

Term 2 - Week 6 - Worksheet

Animal craft

Let's talk

Talk about all the sea animals in the pictures on page 55.

- Which of these sea animals can be eaten by humans?
- Which sea animals are dangerous?
- What covers and protects the body of a fish?
- What are the different ways in which the sea can become polluted?
- What do you think will happen if the sea becomes polluted with refuse or poisonous substances?



Write the names of animals you can think of that live in rivers, dams or the sea in the three columns of the table.

River	Sea	Dam



 ${\color{blue} Make your own fish tank.}$

- Paint the inside of a box blue-green and turn it on its side.
- Then cut out the fish at the back of the book.
- Attach the fish to the top of the box with sticky tape and string.



Animals that carry their homes with them



Did you know? I fit neatly into my shell, and it never becomes too small for me.

The tortoise

The tortoise is a reptile with four scaly legs and a wrinkly neck and head. It moves around slowly with its shell house on its back.

Where do they live?



Turtle: I live in the sea.



Terrapin: I live in fresh water in the wetlands.



Tortoise: I live on land.

Let's write Answer these questions about the tortoise that lives on land.

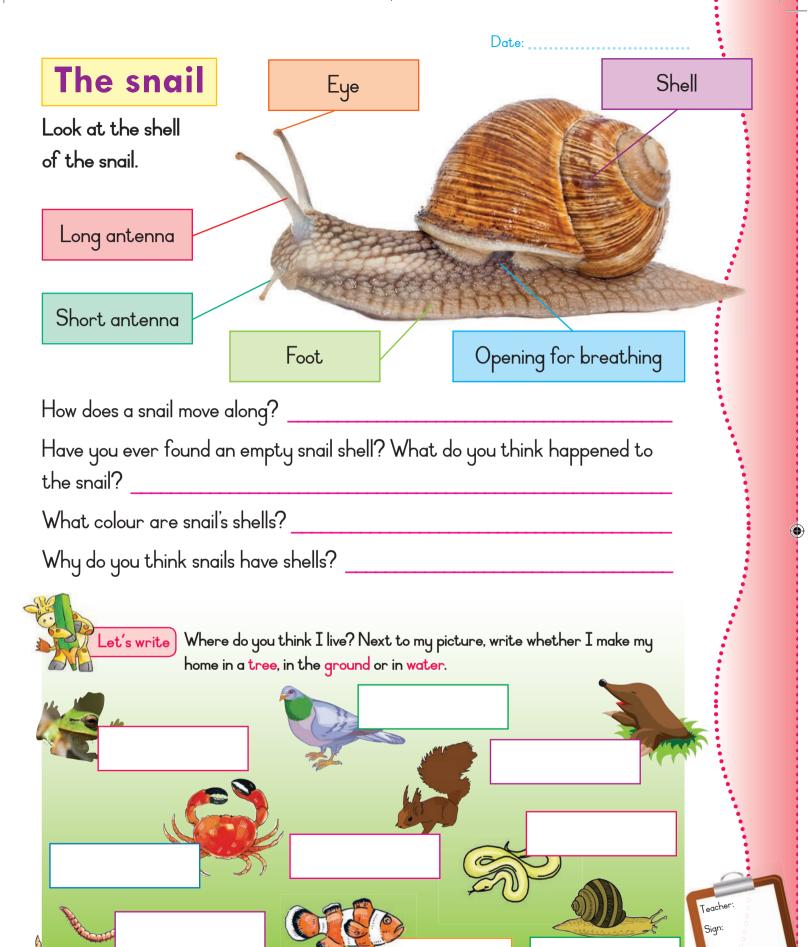
Is the tortoise's shell hard or soft?

What does the tortoise's shell protect it against?

What does a tortoise do when it is scared?

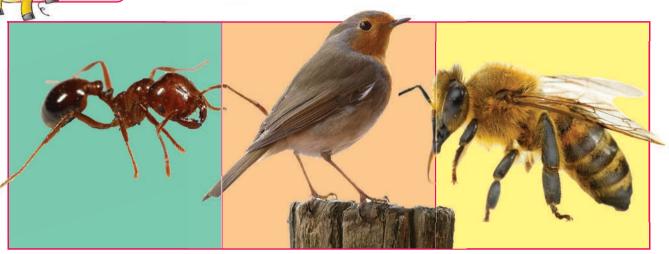
What food do tortoises eat?





Animals that build themselves shelters

Let's do) Join the pictures of these animals to the pictures of their homes.







Bees

Bees live in beehives.

They build their hives from wax.

They store food in their hives.



Jorm 2 - Week 8 Worksheet



Ants

Ants build different kinds of shelter in their environment. A tiny ant can carry something that is four times heavier than itself. Ants communicate with each other. They warn each other if there is danger, and they tell each other where to find food.





Why c	lo you think	ants build t	themselves shelters?	
J	J			

Who is an enemy of the ant?	
J	

What materials do ants use to build their shelte	ers?



Birds

Birds build nests as shelters and to have a place where they can lay their eggs. The size of a nest depends on the size of the bird.

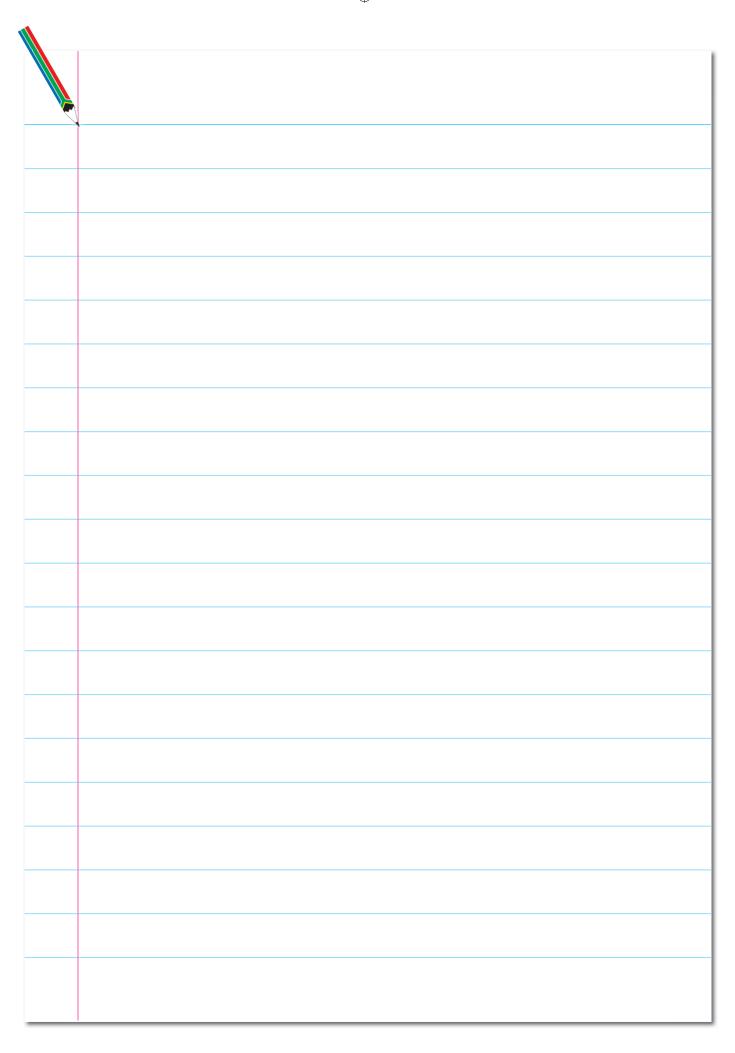
What do birds use to build their nests?

Which animal is a bird's enemy?









(



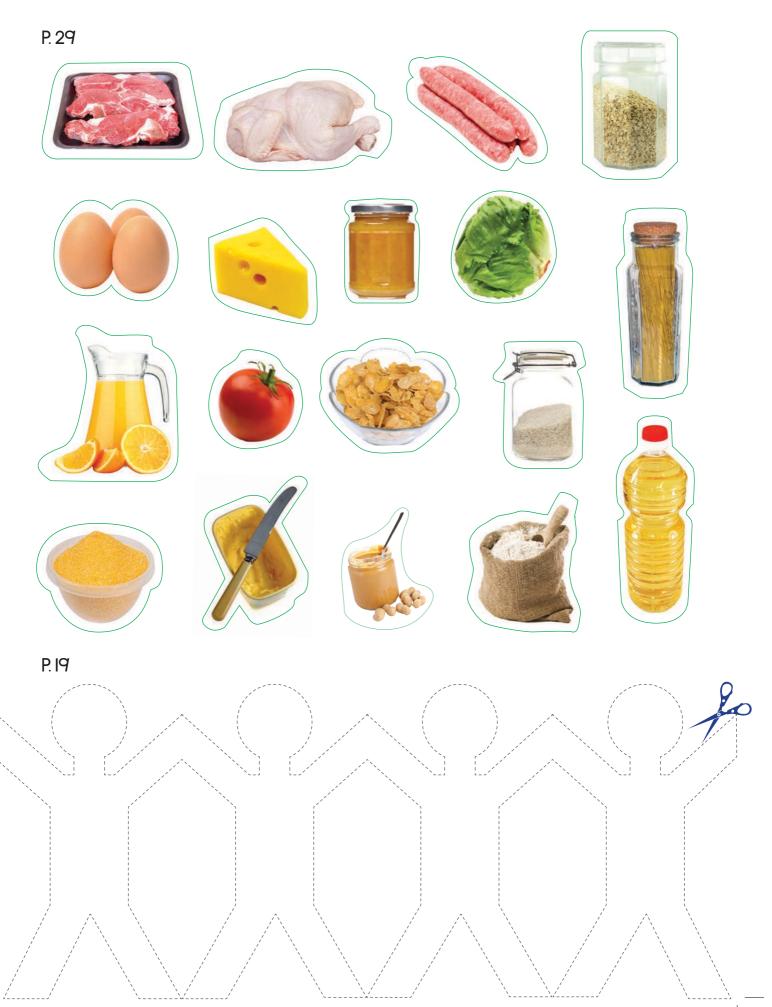












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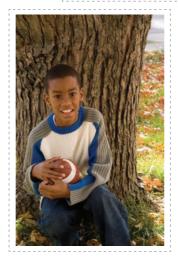
P. 36-37



















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