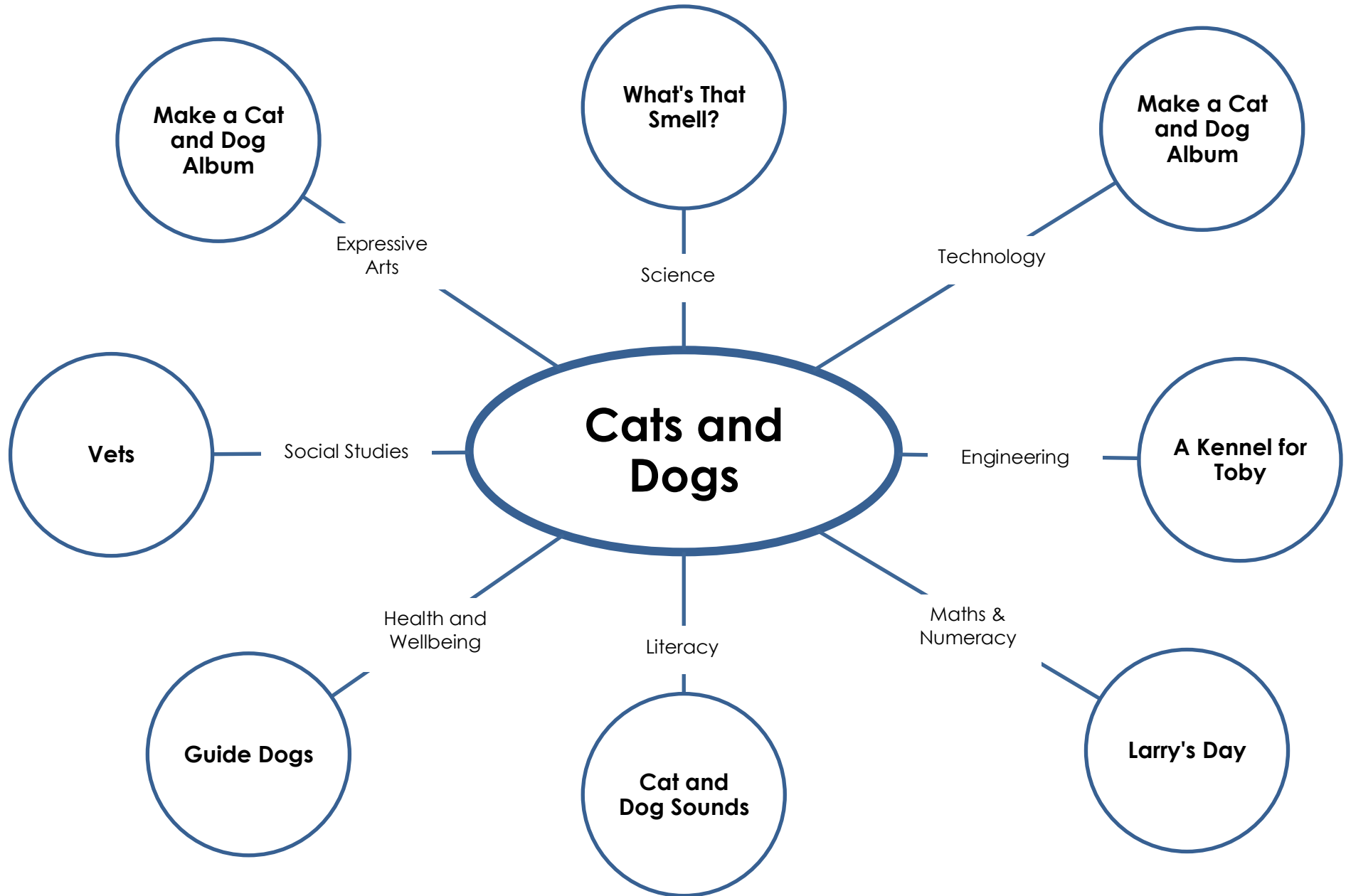


Learning from Home



Science Challenge



What's That Smell?

Dogs have an incredible sense of smell, much better than a human but we can also detect a lot of different smells. Try this investigation and see how many you recognise.

You Will Need:

A partner (An adult or brother or sister), a blindfold, small lidded containers that you can't see through - label them 1, 2, 3 and 4 and some smelly stuff (e.g., lemons, bananas, orange peel, pine needles, a cotton ball soaked in perfume, chocolate, coffee, dirt, vanilla, garlic, onion, mint, vinegar, rose petals, pencil shavings, or ginger etc.)



Method:

1. Have a grown-up poke small holes in the container lids.
2. Put one "smelly" object in each container.
3. Tape a label to the bottom of each container to say what's inside.
4. Blindfold your partner and have him or her smell each container.
5. Write down the number of the container and your partner's guess about what's inside.
6. Swap over. Your partner now collects 4 smells to test you with.



Note: If you use the same containers they must be thoroughly cleaned between turns. Use separate jars if you can. *What about using plastic cups with socks over the top to hide the contents and to smell through? No peaking though!!*

Activity from <https://kidshealth.org/>
 Images from www.clipart-library.com

Are the answers right? Which are good smells? Are any horrible?

The Science: Whenever we smell something, our nose and brain work together to make sense of hundreds of very tiny invisible particles, known as molecules, that are floating in the air. If we sniff, scent receptors in the lining of our nose detect the molecules and pass the information to our brains. For each scent receptor humans have, dogs have 50!

Did You Know: Dogs are often used to look for missing people by first giving them an item of the person's clothing to smell. Can you identify family members' clothes by smell alone? You could repeat the investigation above this time just smelling the clothes. Remember not to look and don't touch either as we can also gain information from our sense of sight and touch. Record your answers in a chart like this one -

	Smell 1		Smell 2		Smell 3		Smell 4	
	Guess	Actual	Guess	Actual	Guess	Actual	Guess	Actual
You								
Partner								



Technology Challenge




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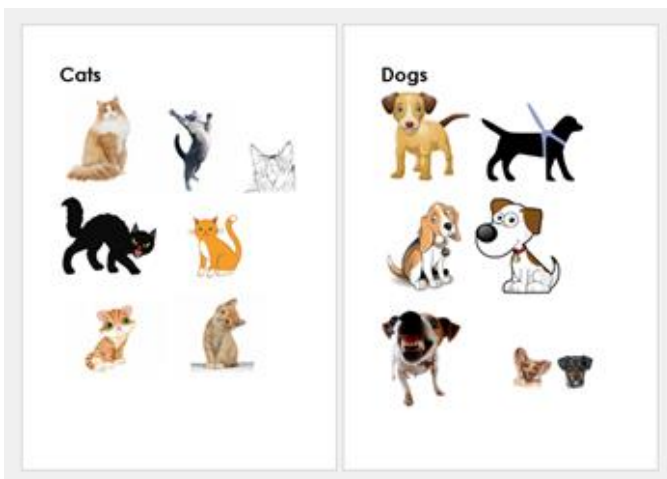
Make a Cat and Dog Album

Adult Support Required

Your task: is to make a cat and dog image album using pictures from the internet.

You will need: A computer or tablet with access to the internet and access to a word processing program such as **Word**.

1. Open a **Word** document. Type the word 'Cats' at the top. Highlight the word and make the **font size** bigger - I chose 36. You might also want to change the font type – I chose **Century Gothic**.
2. Open your internet browser and go to www.clipart-library.com
Type 'cats' into the clipart site search bar.
3. The images at the bottom of the page are free to use. Look through the results and find an image you like.
4. Right click to **copy** it.
5. Return to your **Word** document and right click then '**paste**' the picture onto your page.
6. Go back to clipart library to find more pictures you like. Again, copy them and paste them onto your Word document until you fill the page.
7. Place your **cursor** (the arrow or line you use to move things / type with) after your last picture. Now press **Enter**  until you get another page in your document.



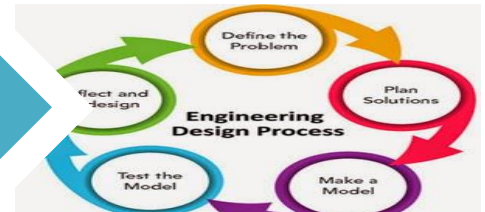
8. This time type dogs into the **search bar** on clipart library.

9. Copy and paste dogs onto your second page of your **Word** document.

10. Give your work a name and **save** it when you are finished. **You may need to ask an adult or older brother or sister to help with this.**

Images from www.clipart-library.com

Engineering Challenge



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A Kennel for Toby

Adult Supervision May Be Required

Toby the dog has a problem – he is feeling very tired and would like a kennel to lie down in.

Challenge: Can you help him by designing and building him a new kennel?

Using materials you have at home, build a kennel for a toy dog or other toy you have at home. Make sure the toy can fit inside comfortably. You could use lego or building blocks or you could recycle old boxes and bottles. **Remember to ask an adult for help if using scissors!**

Test it: Does your toy fit comfortably inside the kennel?

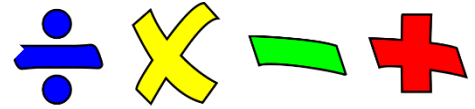
Improve it: Could you add any special features to make the kennel even better? Perhaps you could make it waterproof, or you could make a soft lining for the inside? Could you give it a window?



Can you take a photograph of your finished kennel with your toy in it? If you can, paste the photo onto a **Word** document and type up a few sentences about what it is and how you built it. Remember to give your document a name before saving it. **Ask a grown up for help if you need it.**

Image from www.clipart-library.com

Maths & Numeracy Challenge

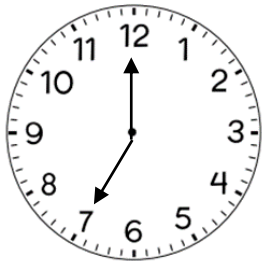


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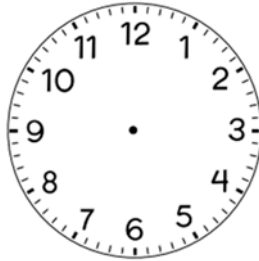
Larry's Day

Larry is a Labrador who lives with his owner in Dumfries.

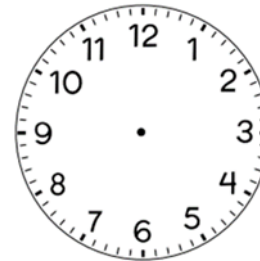
1. Look at the statements in the table below and try to put them in the order they happen over the day, starting with the earliest. Put the letter in the recording box under the clock and the position it occurs, then draw the hands onto the clock. The first one is done for you.



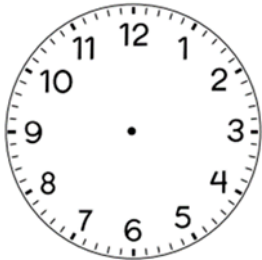
D | **1st**



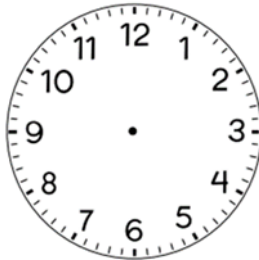
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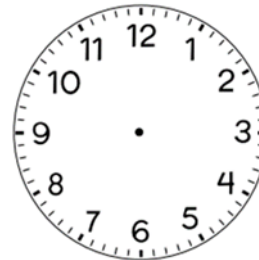
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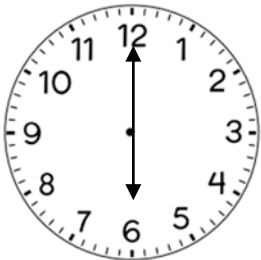
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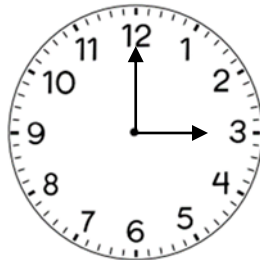
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A. At 8 O'clock in the morning he goes for a walk with his owner.	B. Larry gets a treat from his owner at 7pm before he goes to bed.	C. At 11 O'clock he plays in the garden before lunch.
D. Larry gets up at 7am.	E. He gets another walk at 2 O'clock after his lunch.	F. At 5pm Larry gets his tea.

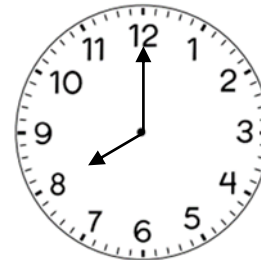
2. Now look at the clocks below. Write down the time that Larry does each thing.



At _____
Larry is dreaming.



At _____
Larry has a stretch.



At _____
Larry cuddles his toy.

Activity adapted from www.bluecross.org.uk
Image from www.clipart-library.com



Literacy Challenge



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Cat and Dog Sounds

1. Think of the words cat and dog. We can break these up into separate sounds. ('c' 'a' 't' 'd' 'o' 'g') Say them out loud.
2. Try to find two or more three letter words which have the same start, middle and end sounds as 'cat' and 'dog'.
3. Write down as many examples of this as you can in the tables below. Write the word and draw a picture of it. Some examples have been done for you.

cat					
c--		-a-		--t	
cup				hot	



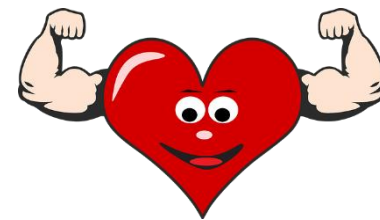
Images from www.clipart-library.com

dog					
d--		-o-		--g	
		log			



4. Choose one word from each sound column and use it in a sentence. Share your work with someone at home.

Health & Wellbeing Challenge



Guide Dogs

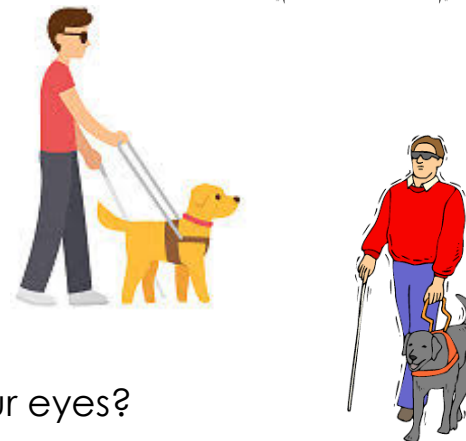
Adult Support Required

We have 5 senses: sight, hearing, touch, taste and smell. Today we are going to think about **sight**.



Task 1: Talk to an adult about the following questions.

1. Which sensory organs do we see with?
2. How many eyes do you have?
3. What colour are your eyes?
4. What might some people use to help them see?
5. What do we call it when someone can't see?
6. What do we call someone who helps look after our eyes?



Lots of people don't have perfect vision (eyesight) but they wear glasses to help them see better. When someone can't see anything or can't see very well even with glasses on, we might say that they are 'blind'.

Task 2: Close your eyes for a minute and imagine not being able to see anything. Imagine doing normal things like going to the toilet, getting dressed or brushing your hair without being able to see. Do you think you could be able to look after yourself? Do you think you would ever be able to have a job or live by yourself? Can you imagine how difficult these things might seem if you are blind?

Click here to watch some young children asking Siobhan, who is blind, lots of questions about her everyday life: <https://www.youtube.com/watch?v=DdCVzgoNJ0k>

In the video, Siobhan talks about her dog Marty. Marty is a guide dog. Guide dogs are dogs trained to help blind people live on their own. They are sometimes called "Seeing Eye" dogs. The blind person (sometimes called a "handler") and the dog need to work together. Both the dog and the handler must take special training to learn how to work as a team.

Click here to watch an animated video about a guide dog called Pip: <https://www.youtube.com/watch?v=07d2dXHYb94>



Images from www.clipart-library.com

Social Studies Challenge



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Vets

Adult Support Required.

Click here to watch a story about Gizzy the cat: <https://youtu.be/Ovj2InBLdfM>

In the story, Gizzy visited the vet several times. Talk to a grown up about how the vet helped Gizzy. What might have happened to Gizzy if he hadn't been microchipped and couldn't be reunited with his owners again?

When Gizzy went to the vet he was given some medicines (injections and tablets) to stop him from catching some nasty diseases. The vet also injected a microchip under Gizzy's skin. This is what helped Gizzy's owners find him again.

Vets also treat poorly animals to try to make them better again when they are unwell, just like you might go to see a doctor. Have you ever taken an animal to see a vet?

Have a go at this activity.

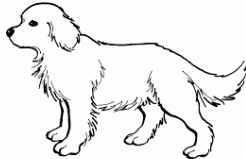

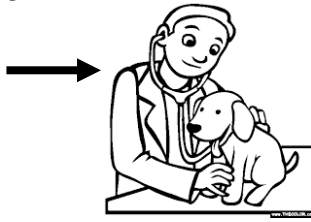

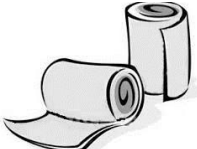

You will need: bingo sheet (below), a dice and coloured pens / pencils



Instructions:

1. Roll the dice
2. Find the item with the same number. Say its name out loud and colour it in.

(If you play with a partner, choose a different colour. The player with the most objects in their colour at the end is the winner. If you roll a 6, have another go.)

<p>1</p> 	<p>2</p> 	<p>3</p> 
<p>4</p> 	<p>5</p> 	<p>6</p> 

1. dog, 2. cat, 3. vet, 4. medicines, 5. bandages, 6. stethoscope

What do you think number 6 is for? How could it help the vet do his job?

Expressive Arts Challenge



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How to Care for Happy Cats

Today you will be learning a song about cats. It is sung to the tune of **London Bridge is Falling Down**. *Click here for the music:* <https://www.youtube.com/watch?v=5L6DA6ZwbjY>

Ask an adult (or older brother or sister if you have one) to help you read through the words and sing with you. Once you have finished, sing the song through again.

		
<p>1. How to care for happy cats Happy cats, happy cats How to care for happy cats Miaow, miaow, miaow, miaow</p>	<p>2. Food and water in their bowls In their bowls, in their bowls Food and water in their bowls Miaow, miaow, miaow, miaow</p>	<p>3. Let your kitten sleep in peace Sleep in peace, sleep in peace Let your kitten sleep in peace Miaow, miaow, miaow, miaow</p>
		
<p>4. Stroke your kitten carefully Carefully, carefully Stroke your kitten carefully Miaow, miaow, miaow, miaow</p>	<p>5. Cats and kittens love to play Love to play, love to play Cats and kittens love to play Miaow, miaow, miaow, miaow</p>	<p>6. Now we all have happy cats Happy cats, happy cats Now we all have happy cats Purr, purr, purr, purr</p>

Activity and images from <https://education.cats.org.uk/>

Can you sing the song to someone else at home?