

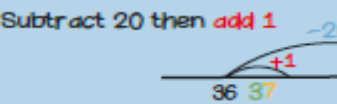
10	10-0																			
9	10-1	9-0																		
8	10-2	9-1	8-0																	
7	10-3	9-2	8-1	7-0																
6	10-4	9-3	8-2	7-1	6-0															
5	10-5	9-4	8-3	7-2	6-1	5-0														
4	10-6	9-5	8-4	7-3	6-2	5-1	4-0													
3	10-7	9-6	8-5	7-4	6-3	5-2	4-1	3-0												
2	10-8	9-7	8-6	7-5	6-4	5-3	4-2	3-1	2-0											
1	10-9	9-8	8-7	7-6	6-5	5-4	4-3	3-2	2-1											
0	10-10	9-9	8-8	7-7	6-6	5-5	4-4	3-3	2-2											

Subtraction Facts

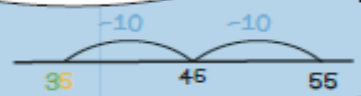
If I know $5 - 2 = 3$
then I also know
 $50 - 20 = 30$



$56 - 19$
Round then adjust

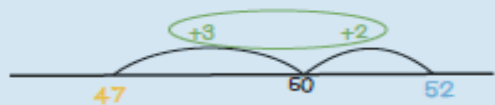
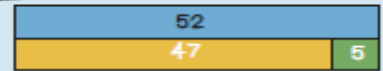


$55 - 20$
Subtract multiples of ten



$52 - 47$
Find the difference between two numbers

$52 - 47 = \bigcirc$
 $47 + \bigcirc = 52$



Stop and look.
What do you notice?

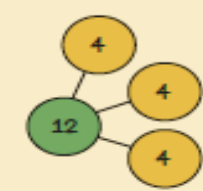


subtract
difference
commutative

$52 - 47$ is not equal to $47 - 52$
Subtraction is not commutative



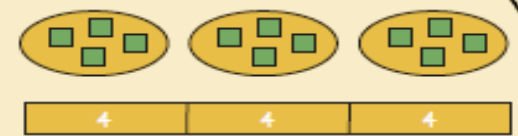
Three groups of four
 $4 + 4 + 4 = 12$



4 multiplied by 3
 $4 \times 3 = 12$

3 groups of 4
 $3 \times 4 = 12$

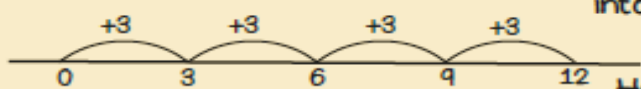
multiply
equal
share
group
divide



$12 \div 3 = 4$
12 divided equally
into 3 groups



$12 \div 3 = 4$
12 divided equally
into groups of 3



How many 3s
in twelve?

Year 2



A cylinder is a 3-D shape
with circles at both ends



A cone is a 3-D shape with a
circular base and a curved
surface that meets at a
point

All faces are
squares



Some faces are
triangles

This face is a
pentagon

Clockwise



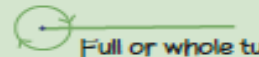
Anti-clockwise



1 right angle turn
or 1 quarter turn
clockwise



2 right angle turns
or 1 half turn
anti-clockwise



Full or whole turn
clockwise

cylinder
face
cone
clockwise
anti-
clockwise

3 right angle turns or
3 quarter turns
anti-clockwise



Previous knowledge.

- To be able to identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
- To be able to understand the language of carnivores, herbivores and omnivores
- To be able to describe and compare the structure of a variety of common animals.
- To be able to identify parts of the human body and make links to senses.

Science Knowledge Organiser – Year 2 Biology: Animals including humans

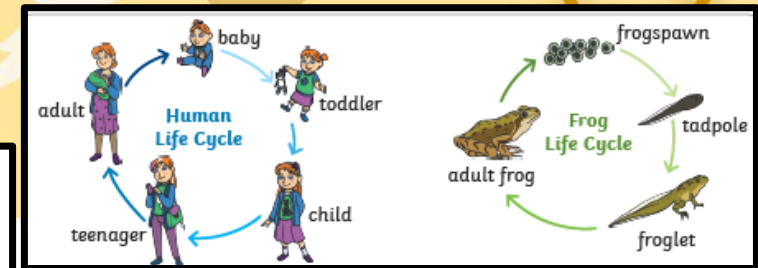
Being active and **exercising** keeps our bodies and minds healthy.



What I will learn in this unit.

- To be able to notice that animals, including humans, have offspring which grow into adults
- To be able to research and describe the basic needs of animals, including humans, for survival (water, food, air)
- To be able to describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

Word	Definition
survival	Something that continues to live and exist
offspring	The child of an animal
hygiene	How we keep ourselves and the world around us clean
nutrition	Food needed to live
reproduction	The act of being able to produce offspring



To stay alive, all animals have three basic needs for survival:



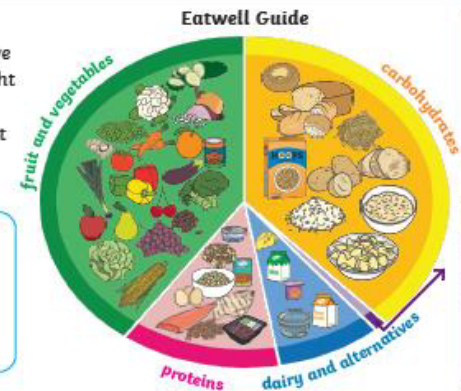
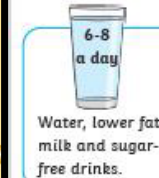
To stop germs from spreading, it is important to be **hygienic**.



Scientist study: Florence Nightingale: (1820- England), Florence Nightingale was known as “The Lady With the Lamp,” was a British nurse who founded modern nursing. Her experiences as a nurse during the [Crimean War](#) were foundational in her views about sanitation. Her efforts to reform healthcare greatly influenced the quality of care in the 19 and 20 centuries.




To grow into a healthy adult, we must eat the right types of food in the right amount and **exercise**.





oil and spreads
Choose unsaturated oils and use in small amounts.





Key Images


Open the main menu 



Save your work 



Open a previously saved file 


Increase or decrease spreadsheet size 


2Calculate toolbox 



2Calculate control toolbox 

Move Cell  Speak 

Lock Cell  Count 

Equals 

2Calculate totalling toolbox 

Totalling  Copying 

Key Questions

Why would you copy and paste when using a spreadsheet?

You might want to rearrange the information in the spreadsheet. It will save you entering the same information many times if you want to repeat things in different cells.

How could a spreadsheet help you when you are planning some shopping?

Yes, you could use it to store the process and work out how much it would cost to buy the things that you wanted.

Look at the graph made in 2Calculate showing the class' favourite pets. Which is the most popular?

			Jan		
	Ming		Maia		
	Meer		Katie		Noah
Leonard	Zack		Oscar	Mohammed	Casey
Petra	Jay	Harriet	Ishaq	Rina	Eve
					
		Favourite Pets			



Freestanding Structures

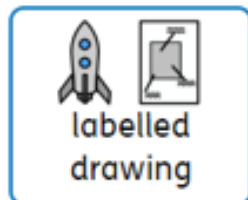
DT Knowledge Organiser
Year 2 Term 3



Things I should know already



make and use
a template



labelled
drawing



ways of
joining

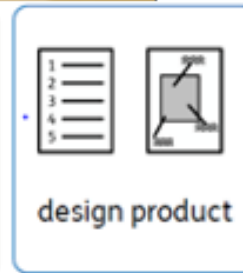


use scissors
safely

The Design Process



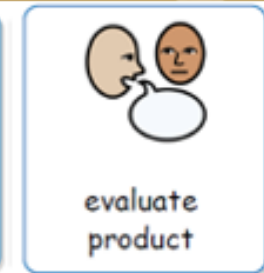
Talk about
existing
products



design product



make product



evaluate
product

Vocabulary

Structure-Something that has been made and put together and can stand on its own.

Stiffer-Something that is more difficult to bend.

Stronger-Something that is made more difficult to break.

Stable-Something that doesnot fall over easily.

Freestanding- A structure that stands on its own and does not need support

Design criteria- Goal for the projects which I need to use when designing and making something.

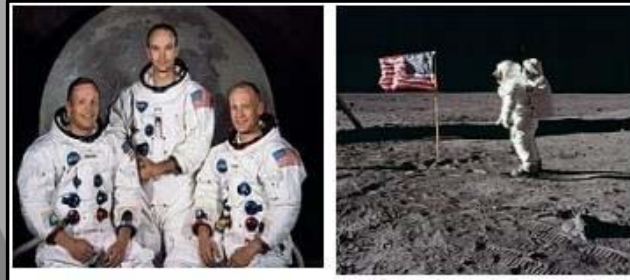
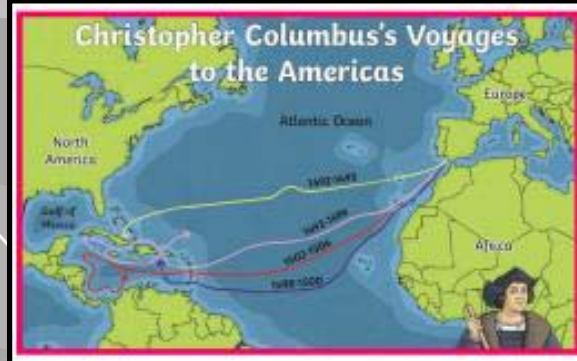
Freestanding Structures

A freestanding structure is a structure that stands on its own foundation or base without attachment to anything else.




History Knowledge Organiser – Infinity and beyond!

“That’s one small step for man, one giant leap for mankind.”

King Ferdinand and Queen Isabella of Spain funded Columbus


Knowledge, important facts



What makes Christopher Columbus a great explorer?

- He learnt the skills he needed to navigate.
- He was determined.
- It took years to find someone to pay for his ships.
- He was brave to sail across an unknown ocean.

Christopher Columbus
1451 – born in Genoa, Italy
1492 – sails west and discovers the Americas
1506 – returns to Spain and dies




What makes Neil Armstrong a great explorer?

- He studied engineering and understood how spacecraft worked.
- He was brave. He often faced danger in his work.
- He stayed calm and in control when things went wrong.


Neil Armstrong
1930 – born in Ohio, USA
1962 – begins to train as an astronaut
1969 – lands on the moon
2012 – dies aged 82




Key Vocabulary



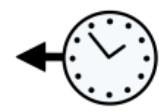
Space




Moon



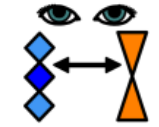
Explorer



Past



Present



Compare



PSHE Knowledge Organiser Year 2 Term 3: Dreams and Goals



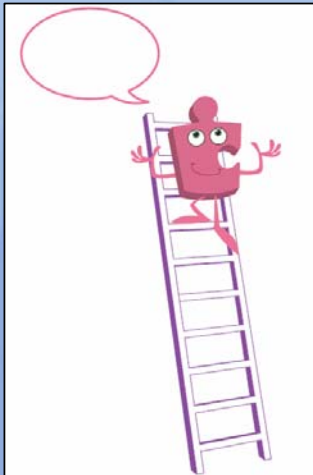
The Park
Academies
Trust

Knowledge

I know who to talk to if I'm being bullied

I know how to work in a group

I know how to set a goal



The Jigsaw Charter

- We take turns to speak
- We use kind and positive words
- We listen to each other
- We have the right to pass
- We only use names when giving compliments or when being positive
- We respect each other's privacy (confidentiality)



Jigsaw
Dreams and Goals
Treasure Chest Template - Ages 6-7 - Piece 6

What did you do in your group to achieve the task?

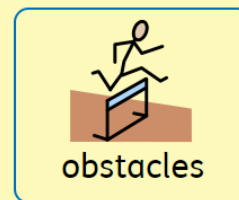
What skills did you have that were helpful for the group?

What skills did other people have that were helpful in your group?

How did you feel about working in your group?

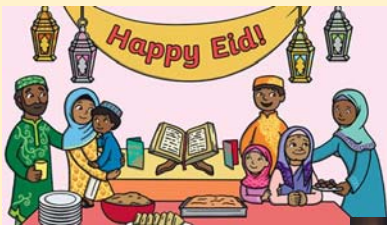
What would you do differently to make your group a better team?

Key Vocabulary



Term 3 and 4: Who is a Muslim and what do they believe? (1.2)
Strand: Believing

How do Muslims celebrate Eid and Ramadan?



How do Muslims mark these celebrations?

How do think these celebrations make Muslims feel?



What are these pictures of?
Why are they important?



What are the Muslim beliefs about God?



Questions:

What are some of the 99 names of Allah?

Can you name some of the objects used by Muslims? Why are they important?

What does Allah look like?

الله

Allah is NEVER a person as Allah is too great for pictures.



Who is the Prophet Muhammad?

How did he discover the Qu'ran?