

Year 2

Science

What?

Growth in animals	animals become older and change as time passes
Human growth	baby > toddler > child > teenager > adult
Things humans need to survive	water, food, air, rest and shelter
Things humans need to be healthy	to have a balanced diet of the right amount of different types of food and drink. to exercise regularly. to be hygienic. to rest and have a good night's sleep
What is regular exercise?	adults need to be active for at least 150 minutes each week and children aged 5 to 16 need to be active for at least 60 minutes each day children under 5 need 3 hours of activity a day
What is good hygiene?	to maintain daily personal hygiene, you should make sure: your hands are washed after you've used the toilet your private parts are washed every day your face is washed daily you're fully bathed or showered at least twice a week your teeth are brushed twice a day
What is rest and sleep?	rest is important for growth and development. children aged 0 to 12 year olds should sleep 9 to 12 hours each night.

Animals Including Humans – Humans

Key Vocabulary and Phrases

Offspring	a person or animal's child or children
Growth	the process of getting bigger
Baby	a very young child
Toddler	a young child that is just beginning to walk
Child	a young person below the age of 13
Teenager	a person aged between 13 and 19
Adult	a grown up

The eatwell plate



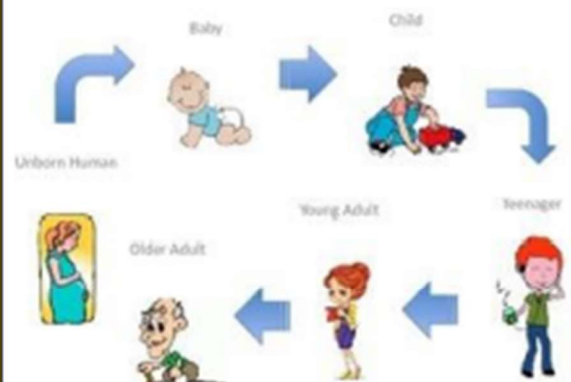
Use the eatwell plate to help you get the balance right. It shows how much of what you eat should come from each food group.



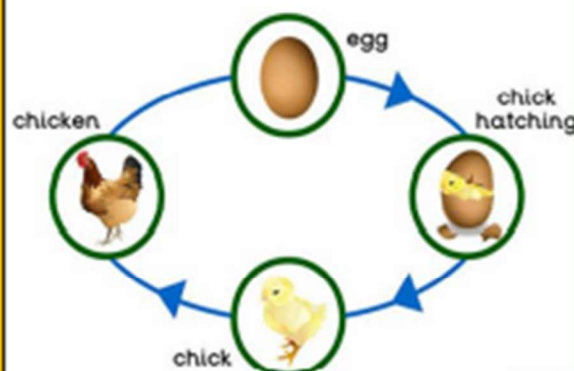
What?

Growth in animals	animals become older and change as time passes
3 examples of animal growth	<ul style="list-style-type: none"> •egg > chick > chicken •egg > caterpillar > pupa > butterfly •spawn > tadpole > frog

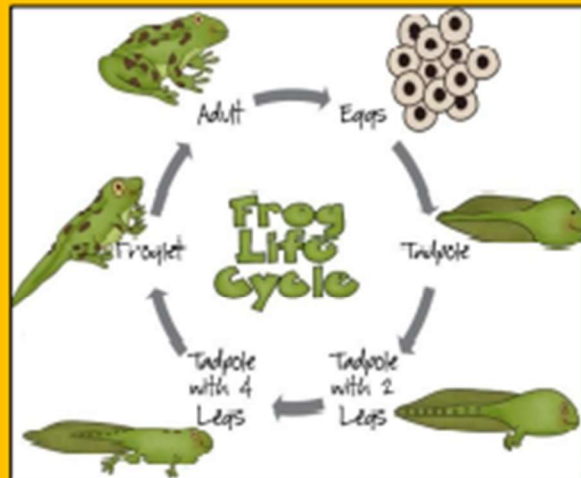
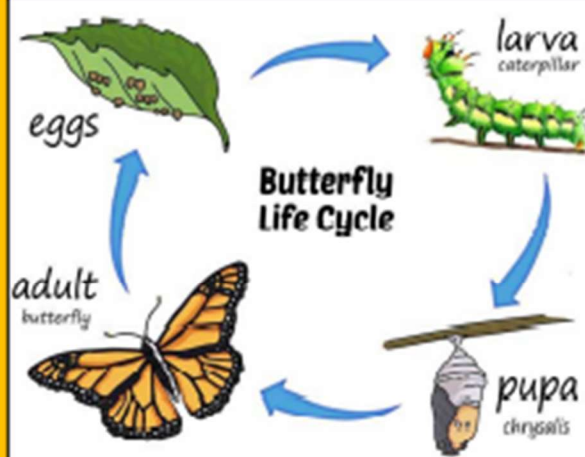
The Human Life Cycle



The Life Cycle of a Chicken



Butterfly Life Cycle



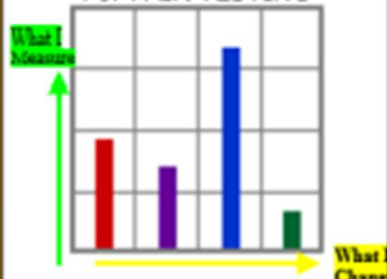
Key Vocabulary and Phrases

offspring	a person or animal's child or children
growth	The process of getting bigger
larva	a baby or young insect
pupa or chrysalis	an insect that is about to turn into an adult
female	girl
male	boy
hen	girl chicken
rooster	boy chicken
life cycle	a life cycle is the different stages of life for a living thing
frog	an amphibian
tadpole	a tadpole or polliwog is a young frog that breathes and lives in the water.
adult	a person fully grown
child	a young person
baby	a very young child

Key Vocabulary and Phrases

ask questions	Use the question words What, where, when, why, how
compare and contrast	Look at two or more objects and describe similarities (what is the same) and differences (what is different)
classify, sort and group	Organise objects by their features (e.g. colour, size, shape).
diagram	A labelled picture
record data	Drawings, scientific diagrams, photos, classification keys, tables, bar graphs and line graph, writing and numbers are ways to show what I have found out.
reporting and presenting findings	Giving reasons, explaining causes and relationships, explaining results and trusting its accuracy

How I could record my findings?

Bar Chart
For FAIR TESTING

Use this if you have only 1 set of numerical (continuous) data and the other is words, e.g. type of material and volume of water it can hold

Venn Diagram
For CLASSIFYING/GROUPING

Use this to show how objects are grouped together and any that could be in either group. You can use more than 2 circles or groups, e.g. animals that live on land or on water, with those that do both in the middle

What I could investigate

Is the oldest person the tallest?



Equipment I could use

Tape measure for measuring height



Scales for measuring weight



Compare diets - How does diet differ as you age? How is an adult diet different to a children's diet?

Sort foods by food groups



THE EATWELL PLATE

A guide to the right balance of the five main food groups



- Fruit & Veg
- Carbs & Starches
- Dairy
- Protein
- Sugars & Fats

Ruler



Pencil and paper

