

KS1 Science Journey Cycle A



Investigation focus What changes happen to a tree over a year?

Observe a tree in the school grounds every month in the school year – ongoing all year.



Autumn 1 Investigation focus



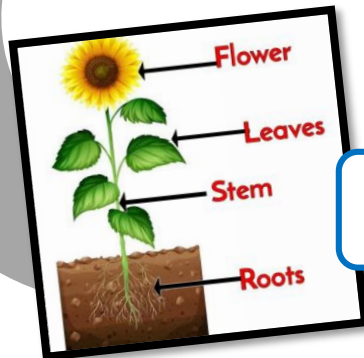
Autumn 2 Materials and their properties



Spring 2 Animals including humans

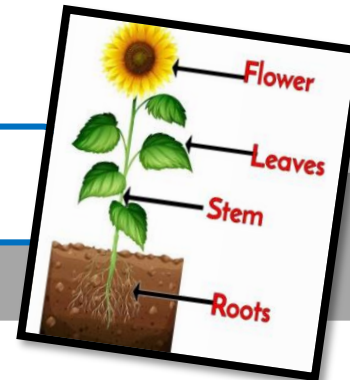


Spring 1 Investigation focus Which material is the best at blocking out light? The three little pigs want some new curtains for their house and they need to completely block out the light.

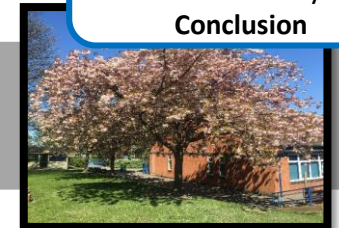


Summer 1 Plants

Summer 2 Investigation focus



Investigation focus What changes happen to a tree over a year? Conclusion



KS1 Science Journey Cycle B



Investigation focus What changes happen to a tree over a year?

Observe a tree in the school
grounds every month in the school
year – ongoing all year.

Autumn 1

Investigation focus

Do all leaves turn brown in
Autumn?



Autumn 2

Investigation focus

Do different types of bread
change differently over time?



Spring 2

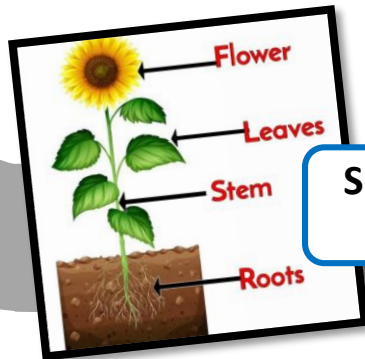
Investigation focus

Which substance keeps an
apple from turning brown?



Spring 1

Animals including humans



Summer 1 Plants

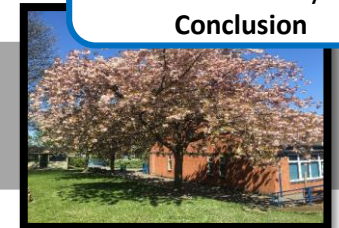


Summer 2

Materials and their properties

Investigation: Which material will make
the best umbrella for Teddy?

Investigation focus
What changes happen
to a tree over a year?
Conclusion



LKS2 Science Journey Cycle A



NCPA Dunk-athon
Working scientifically
skills focus



States of matter
Is there a pattern in how long it takes
different ice lollies to melt?
Pattern seeking



Rocks, soils & fossils
Which type of rock would be best
for building a Stone Age house?
Identifying, grouping & classifying



Forces and magnets
Which magnet is the strongest?
Comparative/fair testing



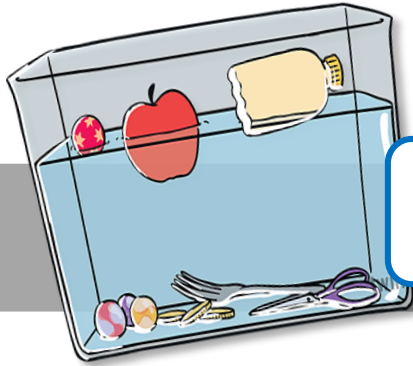
Digestive/Muscular/Skeletal system
How does the human digestive
system work?
Research



Plants
What happens to celery when it is
left in a glass of coloured water?
Observation over time



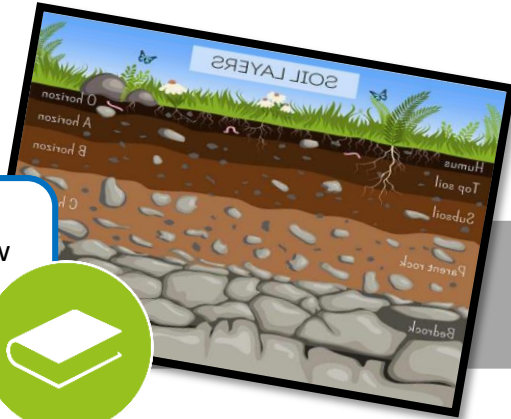
LKS2 Science Journey Cycle B



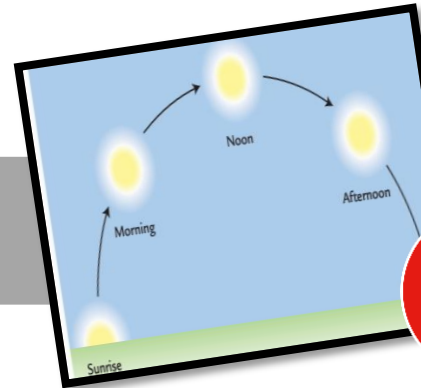
Floating and sinking
Working scientifically
skills focus



Electricity
Which metal make the bulb light the
brightest?
Comparative/Fair testing



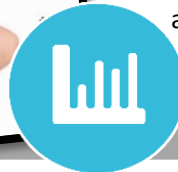
Rocks, soils & fossils
What are the layers of soil and how
are they made?
Research



Light
How do shadows change throughout
the day?
Observation over time



Sound
Is there a pattern between the faintness
of a sound and the distance a person is
away from the sound source?
Pattern seeking



Living things & their habitats
How can we sort animals into groups?
Identifying, grouping & classifying



UKS2 Science Journey Cycle A



Forces

Which shape/size parachute takes the longest to fall?
Comparative/fair testing

Vikings - Investigation

What are the Aurora Borealis and how are they created?

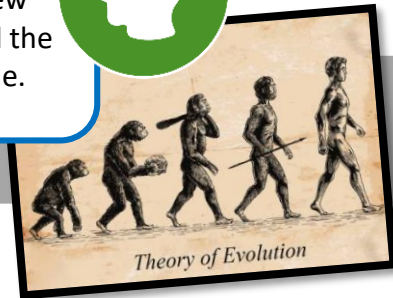
Research



Evolution and inheritance

How do animals evolve? Create a new animal and explain how it evolves and the changes that would need to be made.

Problem-solving



Animal classification/adaptation

Where do most animals live in the Amazon rainforest?

Identifying, grouping & classifying



Light and Electricity

Does the length of wire effect an electrical circuit? Is there a pattern?

Pattern seeking



Early Islamic Civilisation - Investigation

What changes can we see when we observe the moon for twenty days?

Observation over time



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World War I - Investigation

Why do submarines sink if they are full of air?

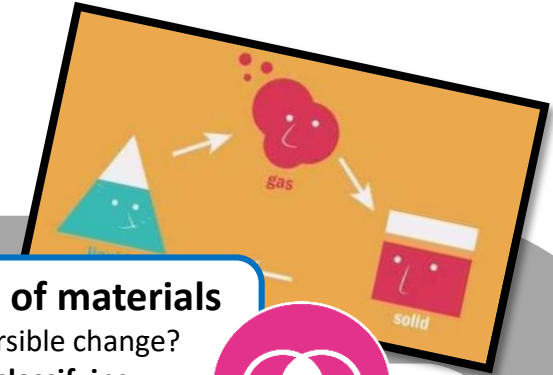
Research



Properties and changes of materials

Which materials have a reversible change?

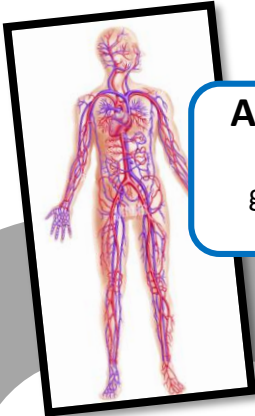
Identifying, grouping & classifying



Animals including Humans

Which type of exercise has the greatest effect on our heart rate?

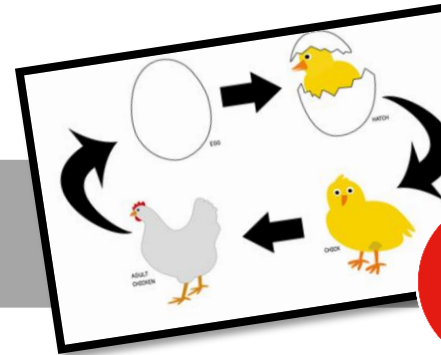
Comparative/Fair testing



Life Cycles

What comparisons can you make between the life cycle of two collections of animals?

Observation over time



Earth and Space

Is there a pattern between the size of a planet and the time it takes to travel around the Sun?

Pattern Seeking



Tudors

What foods did the Tudors take on long ship journeys?

Create a provision list of foods that would last on a journey of 30 days.

Problem-solving

