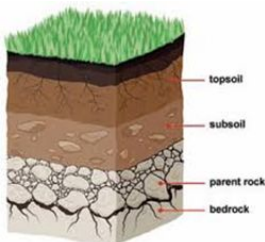


Willow Tree Academy - From Farm to Fork

Key Knowledge

Layers of soil



Fossils

What is a fossil?

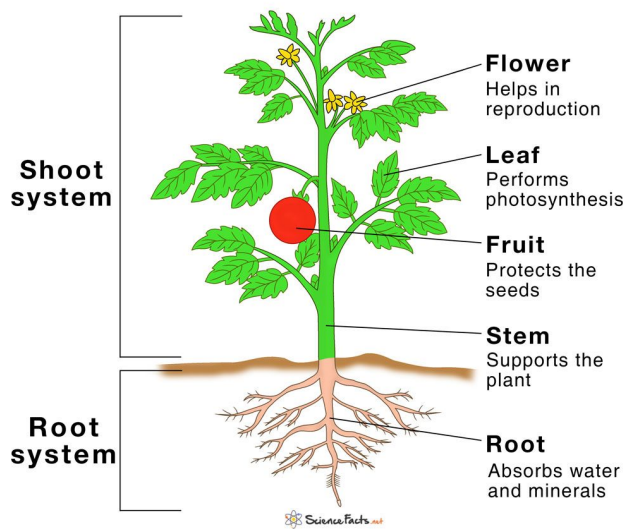
A fossil is the preserved remains or impressions of a living organism such as a plant, animal, or insect. Some fossils are very old. Studying fossils helps scientists to learn about the past history of life on Earth.

Rocks

There are three main types of rocks that are formed through the rock cycle. These are **sedimentary**, **igneous**, and **metamorphic**.

Examples of rocks. Granite, chalk, limestone, sandstone, basalt, marble, pumice and slate.

Parts of a Plant



Types of farming

Pastoral Farming - is aimed at producing livestock, rather than growing crops. Examples include dairy farming, raising beef cattle, and raising sheep for wool.

Arable Farming - involves growing crops such as rapeseed, wheat and barley.

Horticultural Farming - growing garden crops, generally fruits and vegetables.



Key Vocabulary

Sedimentary- A type of rock that is formed over many years of pressure.

Igneous- A type of Rock that is formed through extreme heat.

Metamorphic- A type of rock that is formed by being heated whilst being under immense pressure.

Anthropic- A type rock that is made, modified or moved by humans.

Fossilisation- The process of fossils forming.

Pollination - This is the process that allows plants to reproduce.

Reproduction- This is the process by which a living organism creates a likeness of itself.

Germination- The process by which seeds begin to grow into plants.

Seed dispersal- Is the movement, spread or transport of seeds away from the parent plant.

Topographical- Is a detailed map of the surface features of land. It includes the mountains, hills, creeks, and other bumps and lumps on a particular hunk of earth.

Apiary- An apiary is a location where beehives of honey bees are kept.

Other Key Information

Seasons - Different food needs planting at different times of the year.

Rainfall - Rain can impact on how well a crop will grow.

Harvest time - Food is harvested at different times of the year.

Transport - Food is transported all around the world by air, land and sea.

Grown local - Supporting local farmers and buying food that is in season.

Balanced diet - Consuming the correct amount of each food group to support the body's nutritional needs.

Literacy

Narrative - alternative viewpoints
Information Text
Explanation Text
Persuasive web page/leaflet
Recount
Poetry



Immersive Reading Text

Charlotte's Web- E.B White

Maths

Mass and Capacity
Money
Time
Geometry (shape)
Statistics

We will continue working on learning our times tables up to 12x12

Humanities

Geography:

Farming and land use.
Compare Uk and worldwide farming
Topography in the UK
The significance of the Equator and Tropics
Using an 8-point compass

History:

History of farming

Computing

Creating media: flip book animation
Data handling: using and creating databases

Music

Placing *me, so and la* on a stave.
Performing *ta, ti-ti, sh and too* rhythms.

PE

Athletics
Netball

Big Question - Where does our food come from?



Science

Rocks and Soils

Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties. Describe in simple terms how fossils are formed when things that have lived are trapped within rock. Recognise that soils are made from rocks and organic matter.

Plants

Explain the parts of a plant, know the job of a leaf, and why plants make their own food, explain the cycle of flowering plants, explain the impact of seed dispersal and know what seeds need to grow.

Art & Design

Focus artists: Marianne North, Rebecca Vincent.
Develop intricate patterns with a variety of media
Printing techniques.

DT

Healthy and varied diet/ food preparation skills
Design and a pop up page about farming

PSHCE

Healthy eating/ lifestyle/ dental health
Healthy families/ Learning who to trust/
Stereotyping gender

P4C

Pesticides, fertilisers and their impact
Is it ok to kill animals for food?

MFL (French)

Phonics
Days, weeks and months of the year
Fruit and vegetable, likes and dislikes

RE

Eid al-Adha celebration
Christian worship: How and why do some people find peace and strength from belonging to a church?