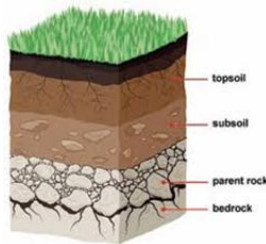


# Willow Tree Academy - Year 3 - From Farm to Fork

## Key Knowledge

### Layers of soil



### Fossils

#### What is a fossil?

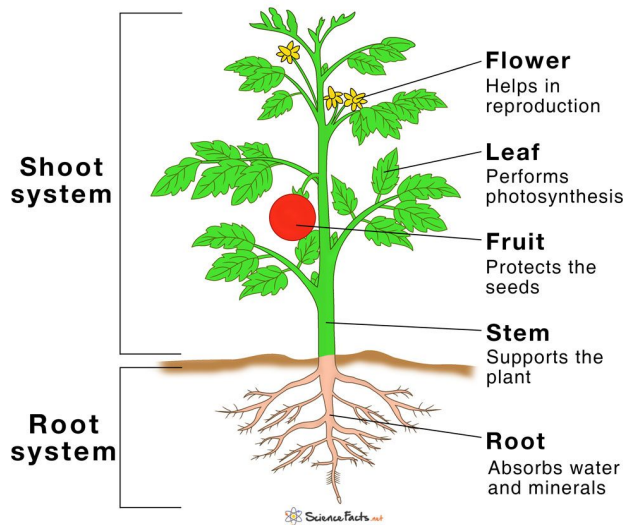
A fossil is the preserved remains or impressions of a living organism such as a plant, animal, or insect. Some fossils are very old. Studying fossils helps scientists to learn about the past history of life on Earth.

### 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

Non Chronological report  
Explanation text  
Recount  
Persuasive presentation  
Poetry



## Immersive Reading Text

*Charlotte's Web - E.B White*

## Maths

Fractions  
Time  
Money  
Shape  
Statistics

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

## Humanities

### Geography:

Farming and land use.  
Compare farming around the world  
Topography

### History:

History of farming

## Computing

Capture and enhance digital images  
Computer networking - emails  
Create and explain simple algorithms

## Music

Glockenspiel/Ukulele Lessons

## PE

Cricket  
Rounders

## Big Question - Are you what you eat?



## 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.

### Animals including Humans

Identify that animals, including humans, need the right types and amount of nutrition. identify that humans and some other animals have skeletons and muscles for support, protection and movement.

## Art & Design

Develop intricate patterns with a variety of media  
Printing techniques

## DT

Healthy and varied diet  
Design and create a bag for life using correct stitching techniques  
Produce an accurate functioning car chassis

## PSHCE

Healthy eating  
Emergency situations  
Roles and responsibilities in the community  
Rules and laws

## P4C

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

## MFL (French)

Days, weeks and months of the year  
Fruit and vegetable, likes and dislike.

## RE

Eid celebration  
Christianity - worship