

# Year 3 Maths Knowledge Organiser – Spring 2



### Key Vocabulary

**+** add plus

**-** subtract minus

**=** equals

**×** multiply

**<** greater than

**>** less than

### Fractions

**numerator**  $\frac{3}{5}$  This is how many equal parts you have

**denominator**  $\frac{3}{5}$  This is how many equal part there are altogether

### Equivalent Fractions

$\frac{1}{2}$  is equal to...  $\frac{1}{4}$  is equal to...

$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8} = \frac{5}{10} = \frac{6}{12}$

$\frac{1}{4} = \frac{2}{8} = \frac{3}{12} = \frac{4}{16} = \frac{5}{20}$

### Comparing fractions

$\frac{4}{5}$  **Greater than**  $\frac{3}{5}$

$\frac{1}{3}$  **Less than**  $\frac{2}{3}$

### Capacity

**Capacity** is the amount of liquid a container can hold.

For example *The cup contains less than 1l of milk.*

**Volume** is how much liquid is in the container.

*The bottle has a capacity of 2 litres.*

quarter full    half full    full

### Measure mass

We use scales to measure **grams**.

A gram is a small unit of measurement that we use to measure how heavy or light something is.

We can write gram as **g**.

We measure the following using grams:

We also use scales to measure **kilograms**.

A kilogram is a larger unit of measurement that we use to measure how light or heavy something is.

We can write kilogram as **kg**.

We measure the following using kilograms:

### Add and subtract mass

$600g + 500g = 1100g = \mathbf{1kg\ 100g}$

$1kg - 300g = 1000g - 300g = \mathbf{700g}$

### Add and subtract capacities

$800ml + 400ml = 1200ml = \mathbf{1l\ 200ml}$

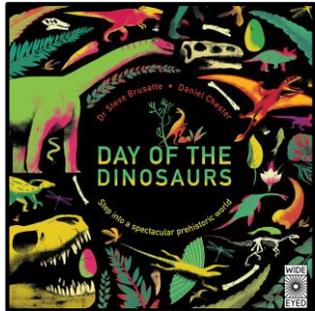
$1l\ 300ml - 200ml = \mathbf{1l\ 100ml}$



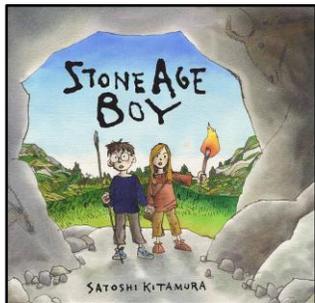
# Year 3 English Knowledge Organiser - Autumn 2



## Core Texts



**Day of the Dinosaurs**  
Steve Brusatte



**Stone Age Boy**  
Satoshi Kitamura

## Features of Text Type: Writing to Inform

### Grammatical features:

In line with the purpose to **inform**, the text contains interesting facts, supported by the use of **technical vocabulary** specific to the topic.

Despite the historical nature of the content, the text uses the **present tense** to make the reader feel as though they are experiencing life in pre-historic times first-hand.

A wide range of **conjunctions** are used to connect ideas and to create multi-clause sentences.

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### Structural Features:

An **introductory statement** presents the topic and draws the reader in.

Simple devices such as **headings and sub-headings** organise material and guide the reader through the text.

Material is grouped into **paragraphs** or sections of related content.

The information on each page is written **non-chronologically**, meaning that the text is not time-related and therefore the main body of the text can be written in any order.

**Images** help the reader to visualise the information within the text, exemplifying and providing clarity.

## Features of Text Type: Developing Dialogue

### Beginning and End

Keep your inverted commas at the beginning and the end of the words being spoken.  
"Stop!" I said.

### New Speaker, New Line

Start a new line whenever someone new speaks.  
"How are you doing today?" asked Henry.  
"I'm great!" said Ashton.

### Capital Letter

Begin what is spoken with a capital letter!  
"What an amazing day!" he announced.

### Punctuation

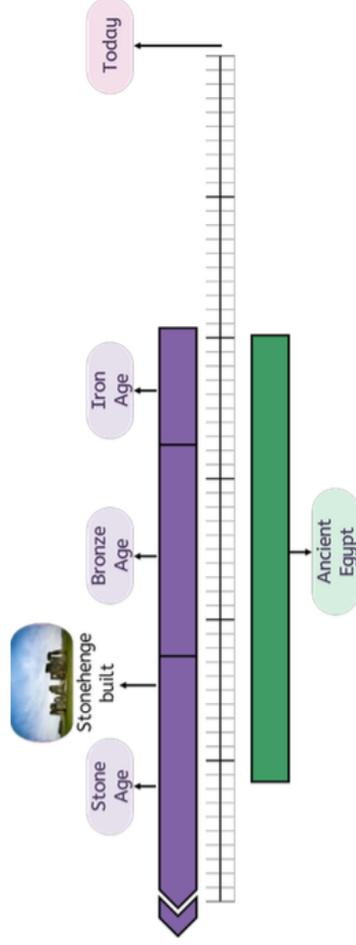
Make sure your speech is correctly punctuated!  
"There are times, I feel, that you are a little cold," I said.

### Commas

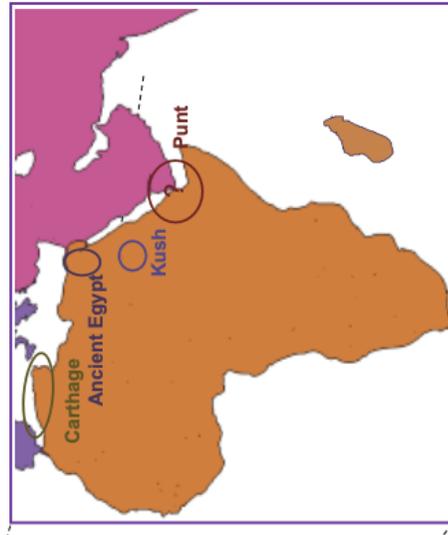
Remember to add commas.  
Ashton whispered, "Be quiet!"  
"Goodbye," said Jules.

# African history: Ancient Egypt

## When did the ancient Egyptians live?



## Where did the ancient Egyptians live?



## Key vocabulary

- **autocracy:** (noun) a place where the ruler can rule in whatever way they want to, without answering to anyone.
- **hieroglyph:** (noun) a picture that represents a word or sound.
- **hieroglyphics:** (noun) writing that consists of hieroglyphs.
- **mummy/mummify/mummification:** (noun/verb/noun) a preserved body / the action of preserving a body / the process of preserving a body.
- **papyrus:** (noun) an early type of paper made out of water plants, used by the Ancient Egyptians.
- **pharaoh:** (noun) the king of Ancient Egypt.
- **pyramid:** (noun) an Ancient Egyptian monument built to honour a pharaoh and to contain their tomb.

# Plants

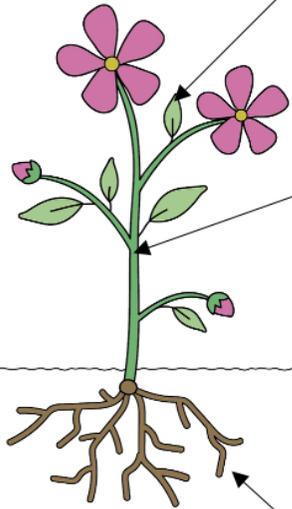
## What do plants need to stay healthy and grow?

- Plants need oxygen, carbon dioxide, water, light, nutrients from the soil, space, and a suitable temperature to grow.
- Different plants have different requirements. This depends on the environment they live in.

Leaves use sunlight, carbon dioxide from the air and water to make their own food.

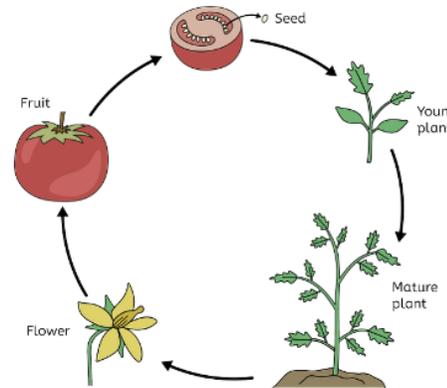
The **stem/trunk** supports the plant. The **xylem** transports water and nutrients from the roots, and the **phloem** transports food from the leaves to the all parts of the plant.

**Roots** absorb nutrients from the soil and help anchor the plant.



## Plant life cycle

A plant's life cycle has **germination, growth, and reproduction (pollination, fertilisation and seed dispersal)**.



- Pollination and fertilisation usually take place in flowers.
- Seeds can be dispersed by wind, by animals (attached to animal fur), or seeds can be self-propelled.
- Seed dispersal is important to make sure there is enough space, water and other things for the seeds to germinate and plants to grow.

## Key vocabulary

- **fertilisation (noun)**: this forms a seed in a plant.
- **germination (noun)**: the process of a plant developing from a seed.
- **pollination (noun)**: the process of pollen from one flower being transferred to another.
- **dispersal (noun)**: The process of spreading out. In this case, the process of seeds being spread out by animals and wind.