

Rights of the Child/Global Goals

Global Goal 14: Life below water **Global Goal 15**: Life on land

Prior learning

Groups of animals (Y4 and Y5)

Big Ideas

Living things can be classified (grouped)

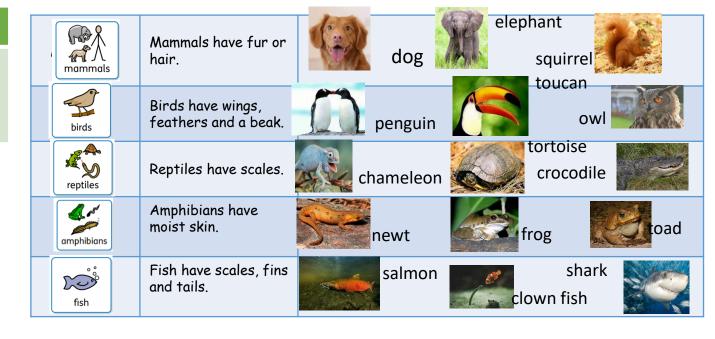
National Treasures

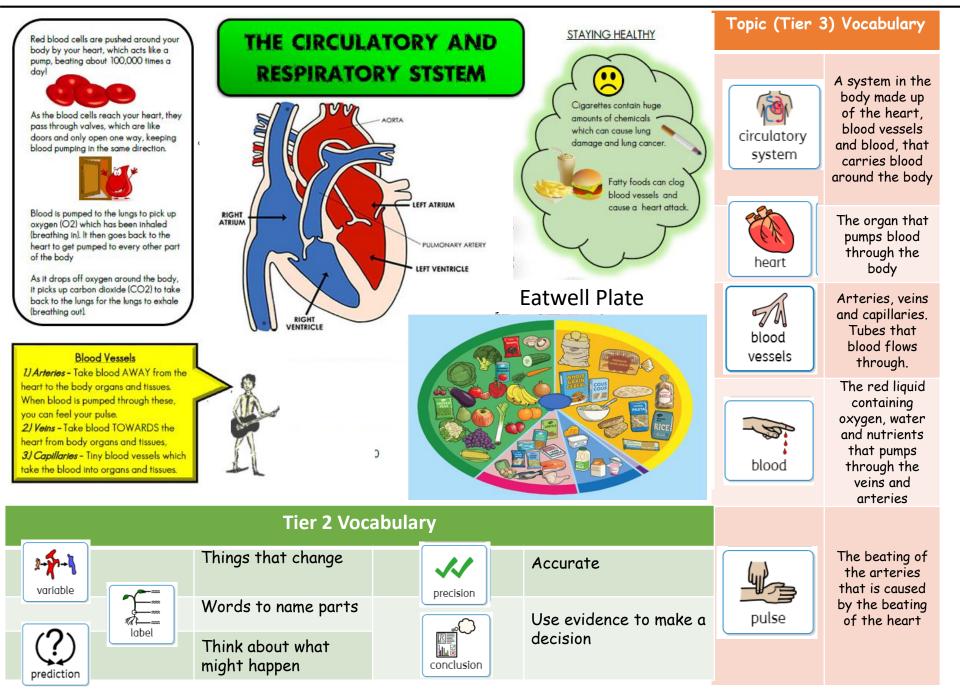
Alexander Fleming

A British micro-biologist who created

Penicillin (a medicine which kills bacteria and can save lives).







Rights of the Child/Global Goals

Article 24: Every child has the right to the best possible health. Global Goal 3: Good health and wellbeing.

Big Ideas

Living things have systems, each with its own job

Prior learning

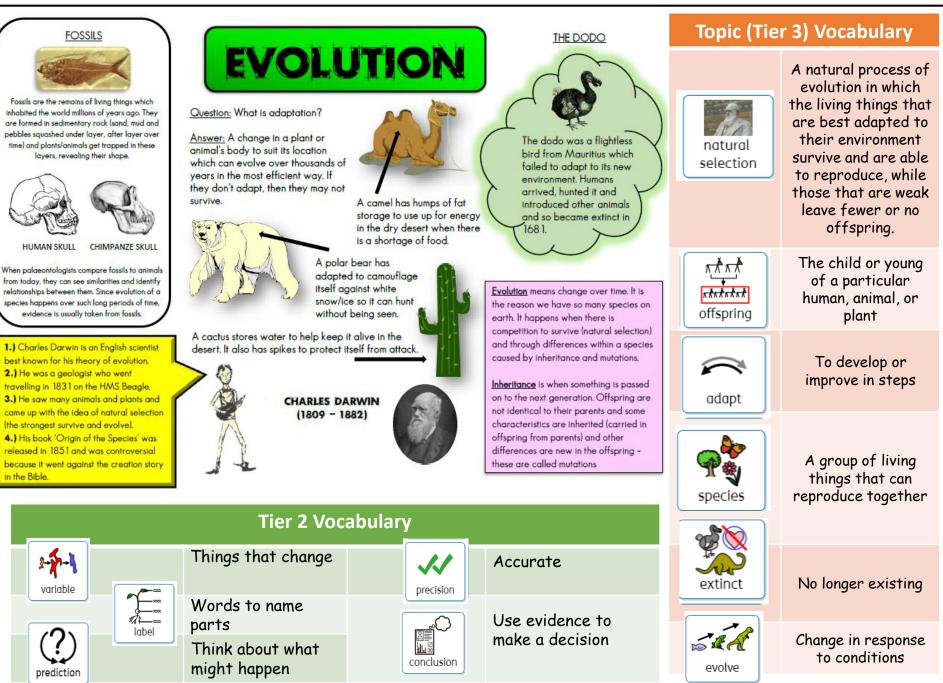
Skeleton (Y3) Digestive system (Y4) Plants transportation of water (Y3) - Link to transportation of blood around body.

National Treasures

British Heart Foundation A British charity that supports research in to healthy hearts.



in the Bible.



How is a fossil made?

1. An animal or plant dies. Some parts decay (break down) and only the skeleton is left.

2. The skeleton is covered in rock or sand.

3. Over a very long time, the bones break down and an empty space is left in the rock where the bones used to be.

4. Minerals fill the space where the bones used to be.

5. Under lots of pressure, the minerals harden and turn to rock.

6. The earth is eroded (worn away) by the weather or the sea.

7. The fossil is uncovered.

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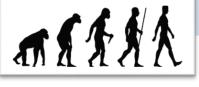
Article 29

I have the right to an education which develops my personality, respect for others' rights and the environment. **Global Goal 14:** Life below water **Global Goal 15:** Life on land

National Treasures

Charles Darwin and Alfred Russell Wallace These biologists developed theories of evolution.







Prior learning

How fossils are formed (Y3) Lifecycles (Y5) Habitats (Y4) Animal classification (Y5) Plants (Y3)

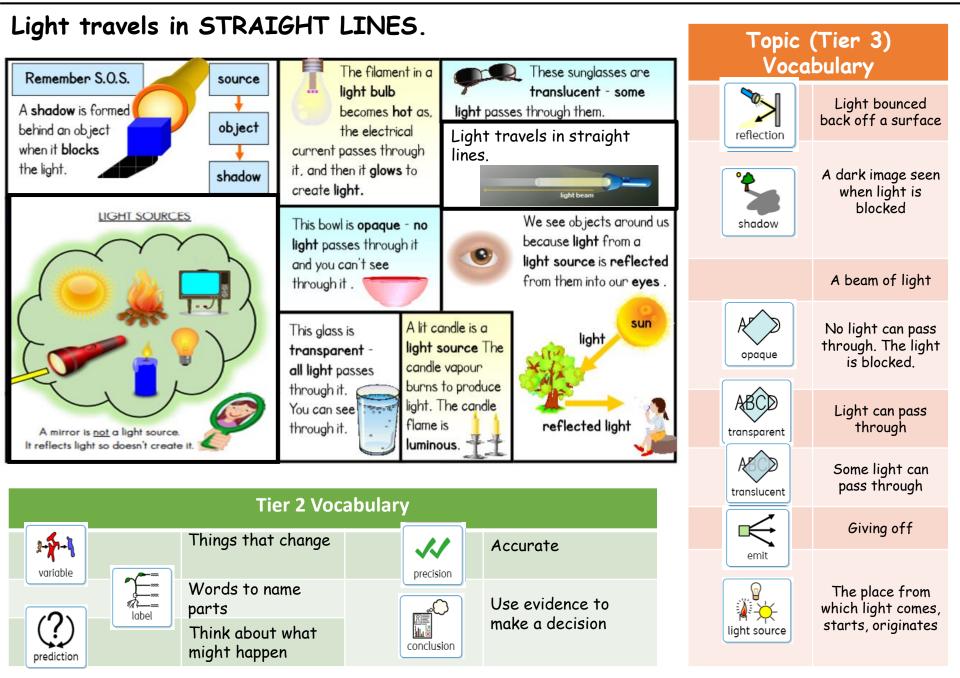
Living things can be classified (grouped)

Habitats provide living things with what they need

Big Ideas

Life goes through a cycle

Light



Rights of the Child/Global Goals

Article 13 I have the right to find out and share information.

> National Treasures

Bonfire Night (5th November)



Prior learning

Year 3 :

-You need light to see things and that dark is the absence of light

- -Light is reflected from surfaces
- -Light from the sun can be dangerous
- -Shadows are formed when the light from a light source is blocked by an opaque object
- Shadows change size.
- -The Sun is at the centre of our solar system (Y5)

Big Ideas

Light & sound can be reflected & absorbed; they enable us to see & hear

Electricity

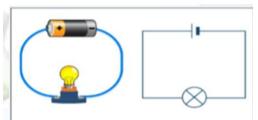
Switches cause breaks in circuits, interrupting the flow of electricity.



motor

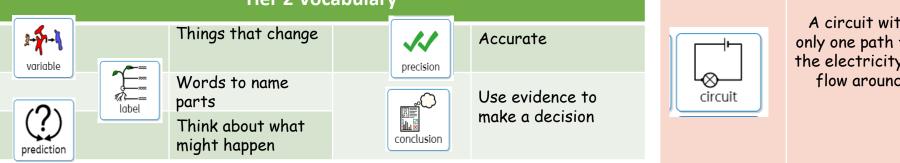
The greater the voltage the brighter the bulb/the louder the buzzer

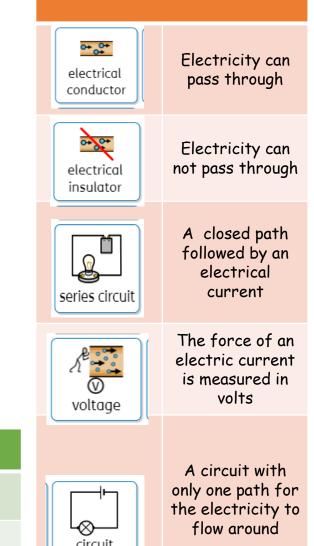
more cells/batteries = brighter bulb/louder buzzer



Here we can see how a **circuit** is depicted by the **symbols**

Tier 2 Vocabulary





Topic (Tier 3) Vocabulary

Prior learning

Year 4:

-naming appliances that run on electricity -constructing a series circuit and

identifying and naming its parts

-identifying a complete loop with a battery where a bulb will light up

-knowing that a switch opens and closes a circuit

-identifying electrical conductors and insulators

Rights of the Child/Global Goals

Article 13

I have the right to find out and share information.

Global Goals 7 and 12:

-Affordable and clean energy -Responsible consumption and production.

National Treasures

The National Grid

Mains electricity is delivered to homes and businesses via a network of cables, substations and pylons called the National Grid.



Big Ideas

Electricity can make circuits work and can be controlled to perform useful functions