



# Dales and Valleys

Year 5 – Summer Term



## Key Vocabulary

Gravity	A force that pulls things towards the ground. Gravity also holds the Earth and other planets in their orbits around the sun.
Friction	A force created by two surfaces moving in opposite directions against each other.
Air Resistance	A force that air exerts (applies) on a moving object
Water Resistance	A force that water exerts (applies) on a moving object
Force	A push, pull, twist or turn
Gestation	The process of period of developing inside the womb between conception and birth
Puberty	The process of adolescents reaching physical maturity.

## Main Stages of the Human Life Cycle

- **Foetus** - an unborn animal or human being in the very early stages of development
- **Newborn** - this is a baby that has just been born.
- **Infancy** - this is a period of rapid change. Many toddlers learn to walk and talk at this stage.
- **Childhood** - children learn new things as they grow. They become more independent.
- **Adolescence** - this is when the body starts to change and prepare itself for adulthood. Hormonal changes take place over a few years. This is also known as puberty.
- **Early adulthood** - this is when humans are usually at their fittest and strongest.
- **Middle adulthood** - changes such as hair loss may happen. There are also some hormonal changes again and the ability to reproduce decreases.
- **Late adulthood** - there is a decline in fitness and strength.

## Extra Reading

Scan the QR code



Animals, including humans

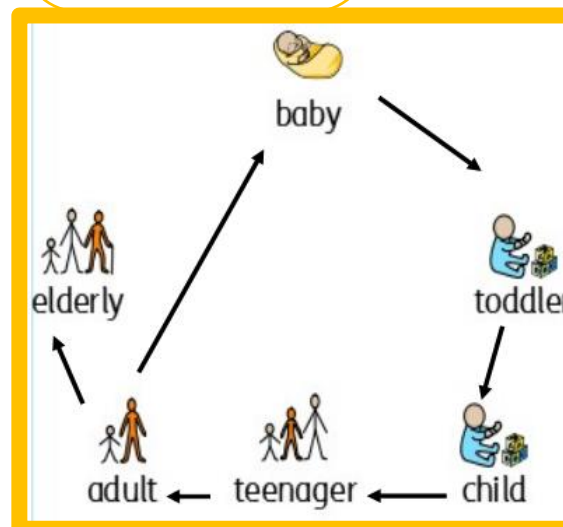


Forces

Beliefs

## Topics

History: Anglo-Saxons  
Geography: Biomes  
Art: Claude Monet and the Impressionists  
D.T.: Anglo-Saxon drawstring bags  
R.E. Belief in our community  
PHSE: Relationships  
Science: Properties of Materials  
P.E.: Swimming





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Cavern	A large cave or chamber in a cave.
Dale	A valley, especially in northern England
Fieldwork	Practical work carried out by a researcher in the natural environment, rather than in a laboratory or office.
Industrial Revolution	A period of history when manufacturing of goods moved from small shops and homes to large factories.
Landscape	All visible features of an area of land.
Valley	Long, low areas of land that can typically be found between hills and mountains.

## Information about Castleton



## Facts about Derbyshire and the Peak District



Where is the  
Peak  
District?



- A **valley** is a type of landform. A valley is a lower part in the land, between two higher parts which might be hills or mountains.
- A valley is made deeper by a stream of water or a river as it flows from the high land to the lower land, and into a lake or sea. Some valleys are made by glaciers which are slow-moving rivers of ice.
- Derbyshire's solid geology can be split into two very different halves. The oldest rocks occur in the northern, more upland half of the county, and are mostly of Carboniferous age, comprising limestones, gritstones, sandstones and shales. In contrast, the southern and more lowland half of Derbyshire contains much softer rocks, mainly mudstones and sandstones of Permo-Triassic age, which create gentler, more rolling landscapes with few rock outcrops.
- All of our learning related to the Derbyshire Dales will lead up to and follow on from our residential trip to Castleton.