

Science

Years 5  
and 6

Summer 2

Reproduction in  
plants and  
animals.

National  
Curriculum

Y5—Describe the life process of reproduction in some  
plants and animals  
Y5—describe the changes as humans develop to old age.



Hurst Hill Primary School  
Learning Together

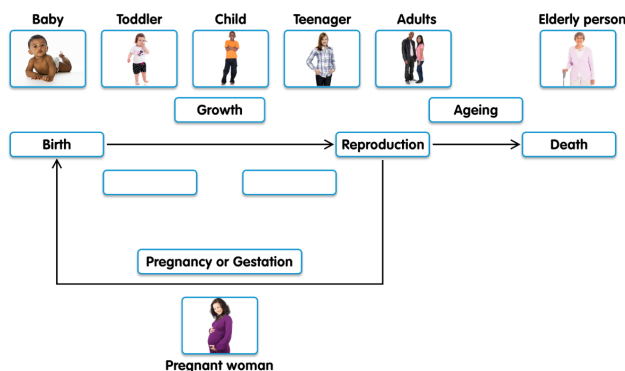
## What I should know already...

The children learn will extend their knowledge about flowering plants explored in Year 3.  
This module builds on summer 1—year 5 'life cycles'.

## Key Skills

Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.  
Identifying scientific evidence that has been used to support or refute ideas or arguments.  
Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs and bar and line graphs.

## Diagram—



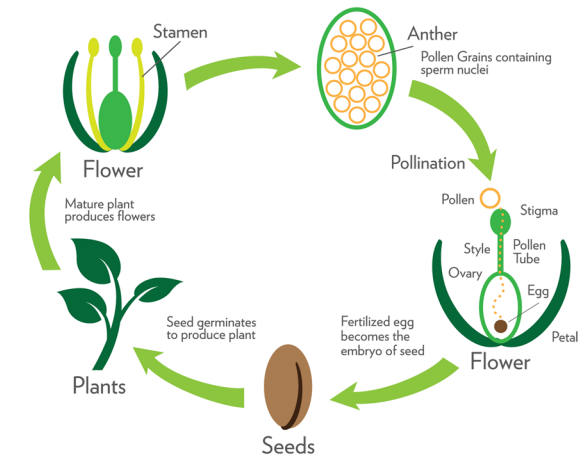
## Key Vocabulary

Reproduction	The process of producing offspring.
Flower	The part of the plant from which the seed develops.
Pollen	The yellow powder found inside flowers, containing male seeds for fertilizing other flowers.
Pollination	To pollinate a flower is to put pollen into it so that it is fertilized.
Pollinator	A pollinator is an animal that causes plants to make fruit or seeds. They do this by moving pollen from one part of the flower of a plant to another part.
Male	Belonging to the sex that produces young by fertilizing the females eggs.
Female	Belonging to the sex that produces young by giving birth or by laying eggs.
Gestation	The process or time when prenatal development takes place before birth.
Sexual reproduction	A process where a male and female are required to make new life.
Asexual reproduction.	A process where one parent creates new life.
Fertilisation	The process of male and female sex cells fusing together.

## Misconceptions

Children may not recognise that reproduction is a characteristic of living things.

Some children will not realise that some plants reproduce sexually.



## Key Questions

What is asexual reproduction?  
What is sexual reproduction?  
How does the life cycle of a plant compare to a human?  
Why does the reproduction process for plants and animals differ?  
How do humans change as they age?

## Recommended reading



R .H Harris