



## St Paul's C of E Primary School – Knowledge Organiser

Name of Topic

Artful flowers

Year Group

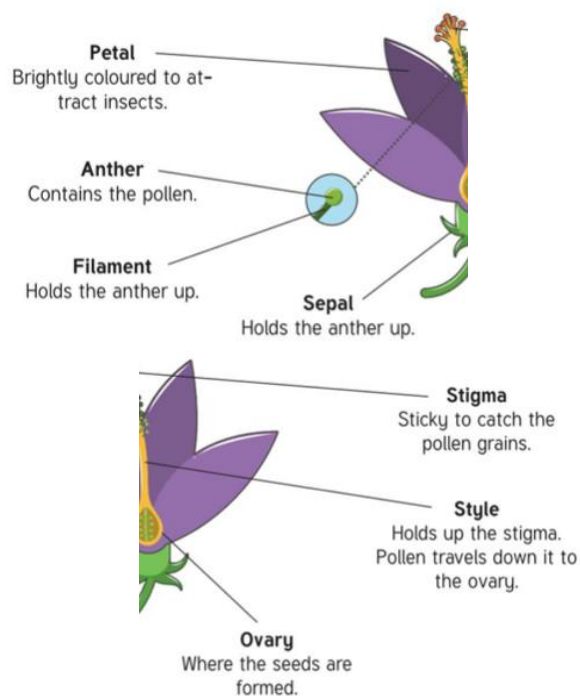
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### Key Vocabulary and Spellings

1	botany	Botany is the study of plants.
2	reproduction	Plant reproduction is the creation of new plants by one or more parent plants.
3	stigma	The stigma is the top of the female part of the flower which collects pollen grains that pollinators drop onto it.
4	carpel	The female parts of a flower.
5	pollination	Pollination is the process through which seeds are created to make another plant.
6	fertilisation	When the female and male parts merge together.
7	fruit	A fruit is the part of a flowering plant that contains the seeds.
8	pod	A long, narrow, flat part of some plants, such as beans and peas, that contains the seeds and usually has a thick skin.
9	germination	Germination is the process by which seeds begin to grow into plants.
10	dispersal	Seed dispersion is the way seeds are carried or spread to other places.

### Top 5 Topic Facts

1	Different plants flower at different times of the year.
2	All flowers have a basic structure that consists of male and female parts called stamens and carpels which are surrounded by petals.
3	The petals are brightly coloured to attract bees and insects for pollination.
4	Pollination occurs when pollen from the anther is transferred to the stigma.
5	When the seeds have grown, the plant needs to disperse them so that they can grow into new plants.



### Key Investigations/Questions

1	What role does each part of a flower play in the life cycle of flowering plants?
2	What happens to flowers after pollination?
3	Name some different types of seed dispersal.