

## Year 2 Science: Week 14

### Bulb Diary: *What is a bulb?*

#### Seeds

Every single seed has the beginnings of a new plant inside it, along with a little store of food to help it grow.

When the conditions are right, the seed soaks up water and swells, and the tiny new plant bursts out of its shell. This is called **germination**.

##### Embryo:

The tiny root and shoot which will grow into the adult plant.

##### Seed Coat:

A tough outer covering.



##### Food Store:

A store of food for the young plant to use until it has grown enough to make its own food.

#### Bulbs

Some plants grow first from a seed, and then develop a bulb that helps them to grow back year after year.

A bulb lets the plant rest underground over the winter when it is too cold, then grow back later in the year when conditions are right.

**Flower Bud:** Future flower stored inside the bulb for protection.

##### Tunic:

A papery outer covering.

##### Scales:

Thick leaves that store the food.

##### Roots

##### Stem



Watch how these seeds germinates over time: <https://www.youtube.com/watch?v=ECibetK2EYI>

Now let's see if a bulb grows the same way:

This week we are going to be planting a bulb and making observations of its growth in a diary.

1. Collect your plant diary, bulb and pot from outside of school.
2. Fill your pot half way with soil.
3. Place the bulb in the centre of the pot with the roots facing downwards.
4. Cover the bulb completely with soil.
5. Give the bulb plenty of water and let the water drain out from the bottom.
6. Top up with soil if needed then water again.
7. Place pot on a sunny windowsill.
8. Make weekly observations of how your bulb grows.

#### Planting

