

## Year 3 – Spring 1

### Science Crucial Knowledge

#### Plants

- The roots have 4 functions - 1) absorption of water and inorganic nutrients, 2) anchoring of the plant body to the ground, and supporting it, 3) storage of food and nutrients, 4) move water and minerals to the stem.
- The stem/trunk have 3 functions of the stem/trunk are to 1) Support to hold up the leaves, flowers and fruits. 2)Transport of fluids between the roots and the shoots/leaves 3) Storage of nutrients
- The function of the leaves is to collect sunlight and make food by **photosynthesis**
- The function of the flowers is to produce seeds to produce more of the same plant

### Geography Crucial Knowledge

**Location** - Locate countries using maps to focus on Europe concentrating on their characteristics, countries and major cities.

- There are 50 countries in Europe.
- The largest country in Europe is Russia.
- The smallest country is The Vatican City which is also the smallest in the world.
- Locate The UK, France, Spain, Germany, Italy Greece, Russia, Poland, Romania, Hungary.

### Religious Education Crucial Knowledge

**Symbols of Worship** - Compare and contrast the use of symbols, actions and gestures used in worship by different communities

- Different beliefs have different worship symbols. E.g. Christianity has the Holy Trinity. Sikhism the 5 k's.
- The use of symbols gives the believer a sense of belonging.
- Similarities between the faiths (Sikhism, Buddhism, Christianity, Islam) is all of them signify love and peace, pray, have special occasions, all have places of worship and a holy book.
- Differences between the faiths – all have different symbols, rituals and gestures. Different Holy books, places of worship E.g Bible, Qu'ran.