



# Numeracy

## Key stage 1

Open Futures Resources

Raising attainment through bringing learning to life

More resources at [www.openfutures.com](http://www.openfutures.com)



### Ma2 – Number

**There are many opportunities to develop counting skills in the garden, from choosing what pupils want to grow from seed catalogues, to recording how many of each crop is planted:**

- Counting out seeds to sow and then the number of plants that result;
- Counting the number of cells in a module tray and the right number of seeds needed;

- Counting parts of the plant, such as leaves, flowers and recording how these change as the plant grows;
- Number patterns can be applied when spacing out seeds and plants using the measuring sticks;
- Basic mental maths, *eg* adding together all of the beans that a group have harvested.

### Ma3 – Shape, space and measures

- Looking at shapes in the garden, *eg* rectangular or square beds, different seed / leaf shapes and sizes, 3D shapes, such as pyramid wigwams for beans.
- Measuring in the garden – younger pupils could use objects such as watering cans / buckets to measure the size of the garden or features within it. Unit cubes or rulers (year 1 / 2) could be used to measure plants and their parts.
- Use of charts and graphs, *eg* bar graphs to record pupils' favourite apple following a taste test.

**Estimating can be applied to many gardening activities:**

- How tall plants will eventually grow;
- How many leaves / flowers / fruits / pods will grow;
- Linking with measuring activities: how many buckets make up the length of a bed;
- Harvesting crops that cannot be seen, such as the number of potatoes underground, number of peas / beans in pods;
- How many slices can be cut from an apple.