



Food

MODULE 9

Parts of a plant and their functions

TIME

1 hour

MATERIALS

Photocopies
of sheets F32, F33
Scissors

SKILLS

Reasoning, justifying

KEYWORDS

Characteristics
Nutrients
Carbon dioxide
Reproduction
Roots
Stem
Leaves
Flower
Fruit
Seeds

CROSS-CURRICULAR

ACTIVITY

Literacy
PSHE
Art – photography

Overview

Children will review their knowledge of plant structures. Children will focus on making observations, drawing conclusions and justifying reasoning.

Aims

To enable children to recognise the parts of a plant and the function of each part

Teaching sequence

1. Make enough copies of sheets F32 and F33 for pairs of children to cut up; distribute to pairs of children.
2. Children to cut up sheet F32 and F33 (plant labels and functions and plant picture).
3. In pairs they re-arrange puzzle pieces (sheet F32) into a plant.
4. Using labels from sheet F33, they label parts and functions of the plant. One function has already been provided.
5. Each pair joins another pair to discuss and explain their labelling.
6. One child from each group of 4 justify the group's reasoning to the whole class.

Teachers' notes

It might be helpful to laminate the pieces of the plant puzzle for robustness. The completed sheet of all the labelled plant parts with their functions is in the Media Gallery Food M9 Plant part labels and functions.

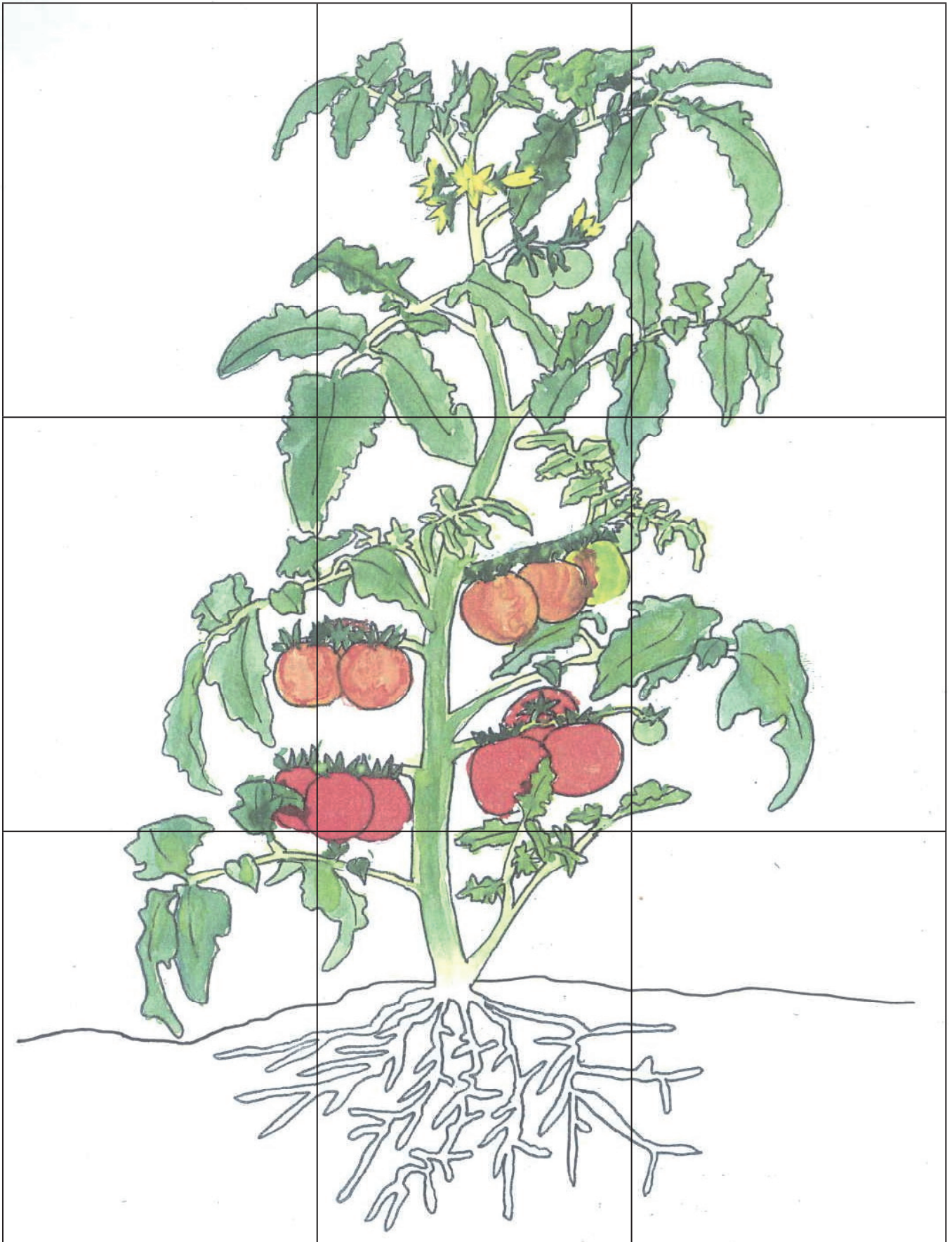
Extension activities

Students could be encouraged to search for images of plants in magazines or brochures as homework, or download plant images from the Media Gallery on the project website or other sites on the internet and make their own 'plant puzzle' for another child to complete.

They could also develop and make a sheet of labels to go with the image. Alternatively, children could be encouraged to photograph their own 'whole' plant at home in their garden or in the school grounds or growing in a local allotment, and use the image they photograph to make their own plant puzzle.

As part of this unit children can grow and photograph their own vegetables or ones growing at school. Refer to Media Gallery Food M1 Vegetable crops to grow in a school garden or containers for more information.

Plant puzzle



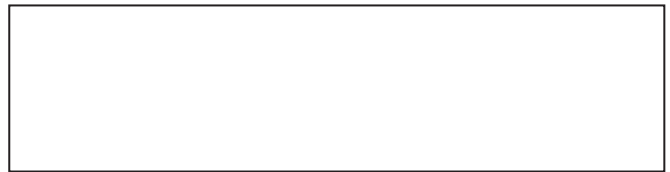
Plant part labels and functions

One function is already done for you



This part of the plant takes in water and nutrients from the soil. It also holds the plant in the soil.

Root



Today I learned