

Plant Biology

Science

Statement Code no: 9

Student:

Class:

At Junior Certificate level the student can:

Understand and identify the structure, functions and processes of a typical flowering plant

Date Commenced: / /

Date Awarded: / /

Learning Targets - This has been demonstrated by your ability to:

- 1 Draw one example of a plant cell, identifying the nucleus, cytoplasm and cell wall and indicate the position of the cell membrane
- 2 Identify and understand the functions of the main parts of a microscope and use it to examine a plant cell
- 3 Prepare a slide from plant tissue and sketch the cells under magnification
- 4 Identify the main parts of a typical flowering plant and their functions; the root, stem, leaf and flower
- 5 Locate and identify the main parts of the flower: sepals, petals, carpel and stamen
- 6 Understand how to use a simple key to identify plants
- 7 Describe, using a word equation, how plants make their own food through photosynthesis
- 8 Show that starch is produced by a photosynthesising plant
- 9 Investigate the growth response of plants to light
- 10 Investigate the conditions necessary for germination

Refer also to: Art, Home Economics, Personal and Social Development, Physical Education.

Work begun | Work in progress | Work completed