

## UNIT 2 TOPIC 2

### Propagating Plants

#### Pupil Success Criteria

**Mandatory Course Key Area -** Asexual Reproduction in Plants involves one parent, results in the production of clones and has many different forms.

#### NLC Success Criteria

I can state what is meant by the terms 'asexual' and propagation'.

I can describe the process of asexual reproduction in various plants.

I can describe the advantages and disadvantages of both sexual and asexual reproduction in plants.

I can describe asexual reproduction by runners, and state that a runner is a horizontal stem with a plantlet attached.

I can describe asexual reproduction by tubers and state that a tuber is an underground food store.

I can describe asexual reproduction by offsets and state that an offset is a small plantlet produced as a side shoot at the base of the parent plant.

I can describe what is meant by the term 'clone'.

**Mandatory Course Key Area -** Artificial Propagation involves human control of the propagation of plants.

#### NLC Success Criteria

I can identify nodes as points of plant growth.

I can describe the process of taking a cutting including the use of rooting powder.

I can describe ways to reduce water loss, including increasing humidity or by placing cuttings in a mist propagator.

I can explain the process of layering and its advantages.

I can explain the advantages to man of artificial propagation in flowering plants.