



## Sustainable Gardening: Growing a Greener Future

### The Science of Sustainable Gardening

**Objective:**

Understand the scientific principles behind sustainable gardening, including soil health, pollination, and biodiversity.

---

**Age Group:** Key Stage 3

**Duration:** 2 hours

---

**Links to National Curriculum:**

- Science: Study ecosystems, biodiversity, and plant reproduction.
  - Geography: Investigate sustainability and human-environment interaction.
- 

**Activity Plan:****1. Workshop on Sustainability (30 minutes):**

- Learn about the nursery's methods for reducing waste, conserving water, and promoting biodiversity.
- 

**2. Soil and Pollination Experiment (1 hour):**

- Compare soils from different parts of the nursery to understand nutrients and organic matter.
  - Observe pollinators in action and discuss their role in plant reproduction.
- 

**3. Design a Sustainable Garden (30 minutes):**

- Groups create plans for a sustainable garden, considering plant selection, soil health, and water use.
- 

**Outcome Across All Key Stages:**

- Pupils develop practical gardening skills and a deeper understanding of sustainability.
- Activities encourage curiosity, critical thinking, and actionable steps toward environmental stewardship.