

Exploring Plants & Soils



Project Overview

This project is designed to teach plant and soil basics for any age member who is new to horticulture and agronomy. Upon completion of this project, you will understand the components necessary to grow successfully and will be able to begin growing your own plants

Key Learning Topics

- Soil Characteristics
- Plant Characteristics
- Environmental factors that affect plant growth (water, temperature, and light)
- Parts of a plant
- Parts of a flower
- How to grow and use plants

Resources

- Exploring the World of Soils and Plants: Unit 1 Project Book (Guide 100.A-6)
- General Record sheet
- Self-Determined (SD) Record sheet

Exhibit Guidelines

- Poster about soils (14" x 22")
- Display board utilizing soils (14" x 22")
- Poster about plant parts and functions
- Display utilizing a live plant to illustrate labeled plant parts (24"x24"x24")
- Terrarium
- Self-Determined advanced Plant & Soil Science Exhibit including SD Project Record Sheet 300.SD.1

Expanding the Project

- Horticulture Contest
- Agronomy Contest
- School Science Fair experiment.
- Junior Master Gardener program

Targeting Life Skills

- Critical thinking
- Decision making
- Problem solving
- Service learning

