



Gardening in the Classroom

Paris Gibson Education Center

Seminars will Tuesdays and Thursdays beginning at 12:30

Pre-Seminar: April 29 or May 1: Information and Sign-Up

Week 1: May 6 & 8: Introduction to Plants, “What Are They and Why Care?”

Understanding plant structure and function gives us a better understanding of their role and importance in our own lives. All of the sources of food on the planet are tied to plants. These seminars teach the chemistry and biology that connects animals to plants.

1. plant seeds and begin the *Growing a Plant Project*
2. walk-through the processes of photosynthesis and cellular respiration
3. introduce plant structures: roots, stems, leaves, fruits, flowers and seeds

Week 2: May 13 & 15: Plant Structure, “Roots, Stems, Leaves, Fruits & Seeds”

Chapter 23 discusses many types of structures and tissues found in plants. The purpose of the *Plant Tissue Project* is to introduce the vegetative parts of plants, along with the different tissue types found within each part. After reading, examining slides, and viewing images, you will construct a packet containing information and diagrams to demonstrate your understanding of the structure and tissue types found in plants.

1. review the vegetative structures and the type of plant tissues
2. draw and label 1 monocot root , 1 dicot root and 1 root tip cross section
3. draw 1 monocot stem, 1 dicot stem, 1 leaf cross section

Week 3: May 20 & 22: Growing Plants, “Successful Gardening Tips”

Gardening is more than just planting seeds. This week will teach you how to prepare soil, maintain nutrients and monitor the growing conditions to ensure a successful garden.

1. evaluating soil composition and nutrients
2. growing plants hydroponically
3. starting, maintaining a garden
4. maintaining best conditions, sunlight, water, soil, pH, nutrient
5. germination, pollination, pruning, cloning

Week 4: May 27 & 29: Greenhouses and Gardens, “Looking at Local Resources”

1. visit Bundy’s Garden, The Flower Farm and The Westside Orchard
2. complete the *Growing a Plant Project*, the *Plant Tissue Project*
3. take the *Chapter 23 Test* and prepare all plants for take home