

Name: _____

Class Period: _____

A Trip Down The Garden Path

The beginning portion of the unit will combine your previous knowledge of plants, either from personal experience or from information you learned in school, with new information gained in this unit. Material will be presented using readings, Power Point presentations, lab activities, Brain Pop viewings, and online resources from our textbook (please see my Staff Page for specific directions). The resources from our textbook include a virtual lab, vocabulary reviews, SciLinks, chapter reviews, Science Puzzlers, Twisters, Teasers, even the chapters can be read aloud for you. Other opportunities may be provided as they become available.

It is recommended that you R.H.O. specific reading sections before you view Power Point presentations, and before you do any lab activities. Once you start a lab activity you will need to complete it and turn it in the following day, so being prepared before you start is very important.

Use the form below as a checklist to follow. With the exception of the background portion, containing Section 1 with its activities, other parts can be done in different orders. We will have the use of lap top computers, the computer lab, iPads, Dr. B.'s Power Points loaded on her downloads section of the Brontman Conference, reference books from our library and from Vernon Area Library. Students will be provided with the unit's Study Guide, with the concepts and vocabulary divided by section/topics. Students *SHOULD* use this as a guide, making certain vocabulary is understood and concepts can be explained, before moving on to another section. All of these resources are designed to provide you with tools to sort out and discover the amazing characteristics of plants, the kingdom that is so important to nearly all living things on Earth.

- R.H.O. Holt Chapter 4/Section 1 (your copy contains some portions from Glencoe Chapter 3/Section 1), *What Is A Plant?*
 - Botany Intro Power Point
 - Brain Pop-Carnivorous Plants
 - Virtual Lab Introduction to Plants (eActivity, Stage 1)

- R.H.O. Holt Chapter 4/Section 2, *Seedless Plants*
 - Seedless Plants Power Point
 - Brain Pop-Seedless Plants
 - ***Sphagnum moss lab***

- R.H.O Holt Chapter 4/Section 3, *Seed Plants*
 - Seed Plants Power Point
 - Brain Pop-Seed Plants
 - Review of the article, How Does A Tree Absorb Water, from Science Illustrated
 - Lima Bean dissection (Where is the baby plant?)
 - Gymnosperm:Angiosperm Compare and Contrast Worksheet
 - Monocot/Dicot Flower Sorting
 - Monocot/Dicot Compare and Contrast Worksheet

- R.H.O. Holt Chapter 4/Section 4, *Structures of Seed Plants*
 - Stems and Vascular Tissue Power Point
 - Virtual Lab Introduction to Plants (eActivity, Stage 2 – stem)
 - Leaf Layer and Function Power Point
 - Leaf Layer Packet
 - Virtual Lab Introduction to Plants (eActivity, Stage 2 – leaf)
 - Root Power Point
 - Root Lab
 - Virtual Lab Introduction to Plants (eActivity, Stage 2 – root)
 - Review of the article, Helping Plants Grow, from Science Illustrated

- Botany Review Packet-1