Unit 2 Taxonomy

Content Area: **Science**
Course(s): **Horticulture 1**
Time Period: **October**
Length: **8 blocks**
Status: **Published**

Transfer Skills

At the end of this unit students will be able to use scientific names to identify greenhouse plants under their care.

Enduring Understandings

Using Latin names for all organisms is imperative for scientists as well as the common public in order to determine the exact species that is being discussed

Scientific names can be useful in determining larger groups (genus, family) of related plants

Essential Questions

If there is no systematics behind Scientific names, why do we use them?

How can scientific names help consumers?

Content

Vocabulary:

Kingdom, Phylum, Class, Order, Family, Genus, species, variety, binomial nomenclature, simple flower, tube flower, composite flower

Learning Objectives

Students will identify greenhouse plants by scientific name.

Investigate the history and reasoning behind scientific names.

Conduct investigation to identifiy plants by physical features.

Care and maintain plants noting specific needs of each.

Assessments

Project - Mystery Plant

Identify and scientifically name a given plant and complete graphical display of the results of their research.

Quiz - Scientifically Naming of Plants

assess vacabulary skill and plant nomenclature

Test - Major Assesment based on Unit 2 instruction and greenhouse progress.

Individual summative assessment to gauge student acheivement and understanding during Unit 2 instruction.

Standards

HS-LS1-2 Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms.

9-12.HS-LS1-2	Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multicellular organisms.
9-12.HS-LS1-2.2	Developing and Using Models
9-12.HS-LS1-1.6	Constructing Explanations and Designing Solutions

Resources

Text:

Introductory Horticulture 8th ed(Cengage Learning), Hardcover (2011)
by H Edward Reiley, Carroll L Shry

Greenhouse

Planting Materials including soil, water, seeds, Fertilizer.

Plant Samples for Projects