

# Unit 2 Taxonomy

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

## **Transfer Skills**

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

## **Enduring Understandings**

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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**

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

How can scientific names help consumers?

## **Content**

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Vocabulary:

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

## **Learning Objectives**

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Students will identify greenhouse plants by scientific name.

Investigate the history and reasoning behind scientific names.

Conduct investigation to identify plants by physical features.

Care and maintain plants noting specific needs of each.

## **Assessments**

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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 vocabulary skill and plant nomenclature

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

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

## **Standards**

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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

## **Resources**

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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