

INTRODUCTION TO HORTICULTURE

Lesson 1: Introduction to Horticulture

I. LESSON DESCRIPTION

Students view Introduction to Horticulture PowerPoint and complete activities outlined within. Students will have a basic understanding of horticulture and careers within the field of horticulture.

Curriculum Standards: Agriculture, Food and Natural Resources (AFNR) Life Knowledge and Cluster Skills Standards

- CS.01.01.01.c. Work independently and in group settings to accomplish a task.
- CS.02.03.01. a. Explore various career interests/options.

Student Learning Objectives: After this lesson, students will be able to:

- (1) Define agriculture, agronomy, silviculture, and horticulture terms.
- (2) Describe the major divisions in the horticulture industry.
- (3) Explain various career options and business within the horticulture industry.

Instructional Methods: Informal Lecture with PowerPoint presentation, Classroom Learning Activity

Instructional Materials & Resources:

- Computer and classroom projector for PowerPoint presentation
- Horticulture Careers: Area Business List
- Optional: Local horticulture business representative present/share with student's opportunities in the horticulture industry
- Optional: Horticultural Careers and Educational Program listings in MCIS or Naviance
- Tree seedling to plant. *** <http://www.dnr.state.mn.us/schoolforest/plantingday.html>
- http://files.dnr.state.mn.us/assistance/backyard/gardens/native_plant/suppliers_north_east.pdf
- <http://files.dnr.state.mn.us/assistance/backyard/treecare/howToPlantaSeedling.pdf>

II. LESSON PLAN

Legend:

Text in normal face - Represents teacher's words.

Text in italic face - Represents suggestions for the teacher.

Interest Approach: 5-10 minutes

- Present the PowerPoint file 01_IntroToHort_PowerPoint.ppt.

- ❑ QUESTION: How can people in Minnesota learn about the plants in their home yards and gardens? Where should tree seedlings be planted? (or use the DNR guide for School Forests)
- ❑ ANTICIPATED RESPONSES: Will vary, use responses to guide a conversation about the impact of the horticulture industry.
- ❑ ACTIVITY: Form groups of two or three students and create a list of at least five things that are included in the area of Horticulture and include how they are used by people in Minnesota. Can you name five Horticultural Career areas?
- ❑ ANTICIPATED RESPONSES: Will vary, share responses and discuss as a class to begin seeing how large the area of Horticulture is and how it benefits Minnesota citizens.

Relevancy:

- ❑ In this lesson, we'll see...the broad spectrum of careers and opportunity in the Horticulture Industry and how it benefits the people of Minnesota.

Learning Objectives:

- ❑ After this class, you will be able to:
 - (1) Define agriculture, agronomy, silviculture, and horticulture terms.
 - (2) Describe the major divisions in the horticulture industry.
 - (3) Explain various career options and business within the horticulture industry.

Instructional Methods

Lecture: 30-35 minutes

- ❑ *Continue with presenting the 01_IntroToHort_PowerPoint.ppt.*
- ❑ *Go through PowerPoint slides with students discussing the terms Agriculture, Agronomy, Silviculture and Horticulture. Continue to follow slides and go over the major divisions in the Horticulture Industry.*
- ❑ *ACTIVITY: The last slide outlines another activity. What businesses can you think of that fit in the following career areas? Try to think of local and regional businesses that fit in the Career Areas. (This will help students connect the importance of the Horticulture Industry to their community.) Students can be put back into the groups they used at the start of the hour and share to make a class list or a teacher could create a class list from a class discussion- use personal preference or base choice on time constraints.*

Summary:

- ❑ With the new knowledge and skills, you developed, you can:
 - (1) Explain the importance of the Horticulture Industry to Minnesota and the local community.
 - (2) Complete the learning objectives for the lesson.

OPTIONAL ACTIVITIES

- Determine value of Agriculture; Agronomy, Silviculture and Horticulture in local community.
- Examine the major divisions of the Horticulture Industry and determine which ones are represented in local businesses (and to what degree) and which ones are not.

RESOURCES

Books:

- *Agriculture Occupational Handbook*
- *A to Z Agriculture Dictionary*

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