Introduction to Horticulture

PATHWAYS TO HORTICULTURE
HIGH SCHOOL CURRICULUM
How can people in Minnesota learn about the plants in their home yards and gardens?

- Where should we plant the tree seedling that we received at the Northern Green?
- Should it be in the sun or the shade?
- How tall does it get?
- Do I need to water and feed it?
Interest Approach

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?

- 1.
- 2.
- 3.
- 4.
- 5.
Agronomy

The science, cultivation and production of field crops such as corn, soybeans, wheat, and alfalfa.

Generally includes larger areas of land that are farmed with large amounts of capital (money) and less labor intensive.
Horticulture

Hortus = Latin for enclosed garden
Cultura = Latin verb that means to grow

- Includes cultivation, processing, and sale of fruits, vegetables, ornamental plants, and flowers.
- As an industry, contributes over $37 billion to U.S. economy annually.
Major Divisions

Pomology

- The science and practice of growing, harvesting, handling, storing, processing, and marketing of fruit trees.

Photo courtesy National Agricultural Library, Agricultural Research Service, U.S. Department of Agriculture
Major Divisions

Viticulture

- Grape vines
Major Divisions

Other fruit
- Raspberries, stone fruits, etc.
Major Divisions

Olericulture
  - Vegetables
Major Divisions

Floriculture

- Flowering plants
Major Divisions

Arboriculture

- Woody plants

Photos courtesy of Harold Pellett
Major Divisions

Landscape Nursery
- The science and practice of propagating, growing, installing, maintaining, and using grasses, annual plants, shrubs, and trees in the landscape.

Photo courtesy of MNLA
Career Areas

What businesses can you think of that fit in the following career areas?

- Landscape Design
- Nursery Production
- Landscape Installation & Maintenance
- Fruit Production
- Floriculture
- Vegetable Production
- Irrigation Contractor
Thank you for using the Pathways through Horticulture Curriculum, provided to Minnesota teachers free-of-charge, courtesy of the Minnesota Nursery & Landscape Association and the MNLA Foundation.

For more information or to inquire about other resources offered by the MNLA Foundation, please contact:

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Connect with horticulture and landscaping resources.
www.theLandLovers.org
Your resource for careers in the green industry.

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