My name is Carrie Taylor, the Horticulture Coordinator for the Maysville Campus. The Horticulture curriculum is currently inactive, which means we are **not** currently offering the classes as they are listed in the K.C.T.C.S. Catalog. BUT, we still have lots of exciting classes and projects taking place on a regular basis, which include our greenhouse and campus gardens.

Check out our schedule each semester and call Workforce Solutions to enroll in our Continuing Education classes!

WHY we need AGRICULTURE AND

HORTICULTURE

Just a few fun facts about plants...

~If the willow tree didn't exist, we wouldn't have aspirin... Compounds from the tree's bark are used as an analgesic; the first synthetic aspirin was derived from these chemicals.

~A few **Dandelion** leaves can have more vitamin C than an orange!

~We use ornamental perennials in our garden designs. Many of these plants have been crossed with wild species resulting in unique characteristics such as more colorful leaves and striking flowers. One such relative of a wild plant, **Digitalis or Foxglove**, has compounds to strengthen heart muscles and this was manufactured in the eighteenth century; it is now a life saving medicine.

~The berries from wild and cultivated **Juniper** plants are used to flavor the liquor GIN

Blueberries are rich in vitamins called tannins; they can act as an ANTI-VIRAL and diuretic improving our body's ability to heal and act as anti-inflammatory properties to aid in reducing inflammation. They are also used to treat diabetes, cardiovascular diseases and digestive disorders.

Lemon balm has anti-fungal and anti bacterial properties, its sweet citrus smell comes from the oils in the plant, so essential oils, like this and LAVENDER that are extracted from the leaves and stems can increase our energy levels and calm our nerves through internal

or external use. Many herbs, such as these can be used in <u>Culinary</u> dishes that add flavor and nutrients to food.

The extracts from the **OAK TREE's** bark are used to treat acute diarrhea and stomach cramps, eczema and inflammations of the skin

The **ONION** was used in the ancient world to treat many health problems because they have chemicals that are considered to be antibiotic, diuretic and anti-inflammatory, improving circulation and aid in circulation and purification of the blood. *Native Americans used them for colds and they were hung on ancient doorways to ward away plagues.

Our immune systems benefit from plants high in vitamins and nutrients, some of these include: parsley, lemons, cocoa, soybeans, celery, carrots, pumpkin seeds and apples, speaking of apples...the first apple trees were not indigenous to North America, they came from Germany!

~AGRICULTURE

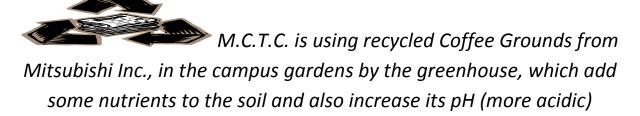
Livestock: cattle, sheep, horse and Crop Production

SUSTAINABLE...AGRICULTURE:

This encompasses ethical issues relating to growing and raising livestock.

HOW?

- Reducing waste as much as possible and properly disposing of materials
- Creating balance through farming production such as **recycling** water and using **ecologically friendly** practices like **organic fertilizers**
- Using responsible pest controls for plants and animals like natural insecticides and fewer herbicides



You can recycle too!

~HORTICULTURE: The art and science of cultivating and growing plants: more ornamental than agriculture

What types of jobs can I get?

Landscaping: design & maintenance

Growing: Nurseries and Greenhouses: Annuals, Perennials, Herbs, Shrubs and Trees

Additional occupations in: Sales, botany, plant pathology, entomology, turf management (golf courses and recreational areas).

~Many businesses today have a combination of Agriculture & Horticulture:

OUR REGION: Many small businesses have emerged due to the changes and diversification in the tobacco industry, one

Challenge: Name ONE product that we consume that DOESN'T relate in some way to agriculture or horticulture.

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