

# Horticulture I

Horticulture I is a course designed to help students better understand the unique world of plants. Students are given a rich foundation in biology and plant anatomy. They will understand the functions and life processes of plants. Students will understand and demonstrate how to cultivate and propagate plants in a number of settings, including the outdoors, greenhouse, and interior space. Students will grow their own plant collections and take those plants home.

In the fall, students grow house plants and their own poinsettias, while in the spring the students will grow house plants and vegetables. Through growing the plants, they will also investigate how to grow plants hydroponically. Plants will be grown in the greenhouse and also sold at the annual plant sales. A vegetable garden near the classroom is also cultivated.

Students will explore a number of career opportunities in the plant world. They will go out and investigate their community through a day- long field trip to NC State, the JC Raulston Arboretum, local nurseries, and visit the NC State Farmer's Market.

Finally, students will discover agriculture through a 25 hour project called their SAE. This is a project that counts for 25% of their grade and can involve anything having to do with plants, animals, food and fiber, natural resources, and the environment in general. This can be an extremely unique opportunity for students to study, create, and enrich their lives through agricultural investigation.