

Title: Planning and Establishing a Landscape Plan
Curriculum Area: Introduction to Horticulture
Teacher:
School:
Grade Level: 9-12
Career Cluster: Agriculture, Food and Natural Resources-Plant Systems
Lesson Objective(s): Students will develop technical skills in dealing with horticultural plants. The students will be expected to propagate plants, manage the plant growth environment, and plan and establish landscapes.
Performance Task (Include Teacher and Student Instructions): Students will be given a hand out with a basic drawing and layout of a landscape. The teacher will give verbal instructions, along with instructions written in the handout. The students will be in groups of four. Each group will have their own area to landscape. Each group will be responsible for drawing up a landscape plan, preparing the site for planting, choosing the plants to be installed, and installing the plants into the landscape.
Evaluation and Scoring: Each group will be evaluated by their participation in their project. Each student must be actively participating in all areas of the assignment. Each student will also validate their landscape design on paper, explaining why certain plants were chosen for their individual plans. If necessary, students may also validate their plans verbally if not able to do so in a written form. Groups will be assessed a grade according to their proper planning and written design, preparation of the planting site, proper planting depth and spacing, and overall aesthetics of their final product.
Extension/Modification and/or Instructional Methodology : Before the assignment, students will already have seen landscape plans using audio visual power points and/or videos. The instructor will also physically demonstrate proper bed preparation and planting techniques, as well as how to choose plants for certain areas. Students with modifications will be graded on a lesser grade scale.

SCAN Skills:

Reading, Writing, Mathematics, Listening, Creative Thinking, Decision Making, Problem Solving, Seeing things in the Mind's Eye, Responsibility, and Sociability.

Exit Level TAKS Objectives:

§119.24. Introduction to Horticultural Science (One-Half Credit).

(a) General requirements. This course is recommended for students in Grades 9-12.

(b) Introduction. To be prepared for careers in horticultural systems, students need to attain academic skills and knowledge, to acquire knowledge and skills related to horticulture and the workplace, and to develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. To prepare for success, students need to have opportunities to learn, reinforce, apply, and transfer their knowledge and skills and technologies in a variety of settings.

(c) Knowledge and skills.

(2) The student develops technical skills in dealing with horticultural plants. The student is expected to:

(A) classify horticultural plants;

(B) propagate plants;

(C) manage the growth environment;

(D) propagate and grow horticultural plants;

(F) plan and establish landscapes; and

TEKS Competencies:

In this lesson students will be fully engaged in accomplishing their TEKS objectives. They will have to be able to classify horticultural plants as annuals, perennials, deciduous, evergreen, etc. Students will have demonstrated proper propagation techniques in the greenhouse, and use those plants in their landscape plan. Students will maintain their landscapes by using their acquired knowledge of how to manage the growth environment. They will be actively planning and establishing their own landscape plans. (TEKS 119.24 3 a b c d f)

Team Project, Guest Speaker, or Field Trip:

This assignment will be performed as a team project. Guest speakers will be utilized before this assignment to come talk to the students about demands of local nursery and landscape owners.

Resources:

Students may use their textbooks, pencils, graphing paper, rulers, compass, internet sources, and DVDs available to them in order to complete their projects.