

Guthrie Public Schools

Teacher/Course: **Becky Smith/Horticulture**

Grade Level: 10-12

Week	Pass Standard/Course Objectives	Pass Skills	Assessments	Activities/Resources	Specialized Vocabulary
1-5	Preparation for the State Fair Horticulture Projects Arrangements, corsages, swags, wreaths	Basic floral arrangements	Competition at Oklahoma State Fair	Introductory Horticulture Internet floriculture examples Pictures of arrangements	Harmony, balance, color, rhythm, proportion, focal point
6-18	Holiday crafts, floral design. Arrangements, wreaths, topiaries	Nursery ID, math skills	Completed projects	Introductory Horticulture Internet floriculture examples Pictures of arrangements, wreaths, and topiaries Drying magnolia leaves Working with plaster of paris	Magnolia, drying methods, evergreens, frames, clay
19-20	Christmas Break				
21-25	Plant science	Biology, Botany	Tests, quizzes	Introductory Horticulture, Internet sources, greenhouse	Environment, stimulants, retardants, hormones, taxonomy, growth, photosynthesis, transpiration
26-29	Plant Propagation	Biology, Botany	Performance in the greenhouse	Introductory Horticulture, Greenhouse	Micropropagation, separation, division, plugs, layering, asexual, tuber
30-33	Greenhouse Management and crops	Communications, IPM	Greenhouse performance	Introductory Horticulture, Greenhouse	Pesticides, Insecticides, Herbicides, biological

34-35	Plantscaping	Communi- cations	Plant ID tests, quizzes, verbal knowledge	Introductory Horticulture, OSU floriculture ID website	Plantscaping, deciduous, pruning, xeriscaping, ornamental, perennials
36-37	The Vegetable Garden	Biology, Agronomy	Tests	Introductory Horticulture, OSU Fact Sheets, Internet	Herbs, compost, germinate, mulch, organic, acidity, broadcasting, hardiness
38-39	Lawn and Turfgrass Establishment and Maintenance	Agronomy	Tests, discussions	CIMC videos, Introductory Horticulture, OSU Fact Sheets, Internet	Stolonized, nitrogenous, aerator, overseeder, noxious, pelletized, erosion, turf
40-41	The Small Fruit Garden, Strawberries, blueberries, bramble fruits, grapes	AgriScience	Tests, greenhouse	Introductory Horticulture, Internet, Virtual Tours of Vineyards	Crown, pollination, brambles, laterals, trellis, canes, spurs, highbrush, lowbrush