



MARSHALL PUBLIC SCHOOLS

WE EDUCATE AND EMPOWER EVERY STUDENT, EVERY CHANCE, EVERY DAY.

Greenhouse

This course is a combination of classroom and laboratory activities related to production of floriculture and horticulture crops in a greenhouse environment. Subjects covered include plant propagation, growth and development, pest management and marketing. The greenhouse class is responsible for the production of poinsettias, foliage plants and annual bedding plants for annual sales. This is for two semesters and one unit of credit.

Scope and Sequence

Timeframe	Unit	ELO and Standards <u>Greenhouse Operations</u> <u>Standards</u>
1 Week	Careers in the Greenhouse Industry	RI.11-12.7 Analyze career opportunities in the greenhouse industry.
1 Week	Greenhouse Structures	RI.11-12.7 Examine greenhouse

		parts, structures, coverings, layouts, environmental controls and other equipment found in a greenhouse.
1 Week	Greenhouse Plant Identification	PS.02.01 Classify plants that are important to the Missouri greenhouse industry.
1 Week	Growing Media	RH.11-12.7 Distinguish types and components of growing media and their uses.
1 Week	Pests and Diseases in the Greenhouse	RST.11-12.9 Classify common pests and diseases found in Missouri greenhouses and evaluate various pest management methods and safe usage and application of pesticides.
1 Week	Growing Plants in the Greenhouse Environment	SL.11-12.1 Demonstrate and analyze proper methods for planting seeds, transplanting seedlings, asexual reproduction, potting, and watering plants.
1 Week	Managing the Greenhouse Business	RI.11-12.7 Demonstrate ability to apply the principles of a Greenhouse business by developing a commercial crop plan, creating a marketing plan, or conducting a

		plant sale.
4 Weeks	Poinsettia Care and Sale	RI.11-12.7 Students will demonstrate proper propagation, care and selling techniques for poinsettia crop.
12 Weeks	Spring Plant Care and Sale	PS.01.02 Students will be able to propagate, care for, and sell a spring plant crop

***Definition of an ELO:**

The Missouri Department of Elementary and Secondary Education (DESE) has identified priority standards in the core content areas. Essential Learning Outcomes (ELOs) are either chosen based on the state priority standards in core areas or are teacher-selected standards. ELOs are the most important big ideas or concepts within a course's curriculum and may include one or more learning standards drawn from DESE Missouri Learning Standards.

These standards were created by Missouri teachers and were approved by the Missouri Board of Education in April of 2016. An ELO gives students the best opportunity to be successful at the curriculum or experiences that follow that learning outcome. Each ELO has a set of supporting standards in the curriculum that scaffolds learning in that unit of study.