



WILDCATS

Union R-XI School District

Course Title: Greenhouse Operations Management

Course Purpose: Greenhouse Operation and Management will focus on competencies in these major areas: Leadership and Personal Development, Supervised Agricultural Experience Programs, Record Keeping, Greenhouse Structures, Irrigation Systems, Soils, Watering and Fertilization, Propagation, and Integrated Pest Management. The students in this class are also responsible for running our spring plant sale, Mum sale and Poinsettia sale. It is required that students will continue their SAE programs.

Course Outcomes

Outcome/Unit 1	Greenhouse Business Management: Students will apply principles of greenhouse business management by generating a cost analysis and marketing plan for a greenhouse.
Outcome/Unit 2	Growing Structure: Students will demonstrate an understanding of greenhouse structures by making a scale model greenhouse and providing specifics on the materials and costs involved.
Outcome/Unit 3	Plant Growth: Students will demonstrate an understanding of the basic plant processes of germination and photosynthesis by conducting a seed germination experiment and writing a summary of their findings.
Outcome/Unit 4	Plant Health: Students will demonstrate an understanding of a plant pest and disease by writing a report on each that describes the pest and disease and identifies the control method.
Outcome/Unit 5	Plant Propagation: Students will apply principles of plant propagating a plant and describing the process in written form.
Outcome/Unit 6	Plant Science Basics: Students will demonstrate an understanding of plant science by creating a plant collection in which plant will be identified and labeled as to the type of root, leaf shape, leaf margin, leaf attachment and venation.
Outcome/Unit 7	The Greenhouse Industry: Students will demonstrate an understanding of the requirements of a position in the greenhouse industry by researching the position and presenting their findings on a presentation that will be given in a class.