

DESE Model Curriculum

GRADE LEVEL/UNIT TITLE: 11-12/The Greenhouse Industry

Course Code:

COURSE INTRODUCTION:

The Greenhouse Operation and Management course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as plants started from cuttings, seeds, grafts, and layering. Students will manage their own crop as a greenhouse project. (CD 016765, CIP 01.0604)

Course Rationale – Agriculture encompasses the food, fiber, conservation and natural resource systems, employing over 20% of the nation's workforce. Cutting, seeding, grafting, layering, and management of a greenhouse provide entry level and entrepreneurial opportunities for students with an interest in horticulture.

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UNIT DESCRIPTION: This unit allows students to explore career path opportunities in the greenhouse industry.		SUGGESTED UNIT TIMELINE: 5 Days CLASS PERIOD (min.): 50 MINUTES				
ESSENTIAL QUESTIONS: 1. What are possible careers in the greenhouse industry? 2. What is the impact of the greenhouse industry?						
ESSENTIAL MEASURABLE LEARNING OBJECTIVES	CCSS LEARNING GOALS (Anchor Standards/Clusters)	CROSSWALK TO STANDARDS				
		GLEs/CLEs	PS	CCSS	AFNR Standards	DOK
1. Identify the scope and development of the greenhouse industry				RI11-12.1 RI11-12.2 RI11-12.3	ABS.01.01.01.b	1
2. Outline career paths and SAE (Supervised Agricultural Experience) opportunities available in the greenhouse industry.				RI11-12.7 RH11-12.7	CS.02.03.01.a CS.02.03.03.a CS.02.03.01.b CS.02.03.03.b	2
3. Unit: 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 class.				RI11-12.7 RH11-12.7 SL11-12.4 SL11-12.5	CS.05.03.01.b CS.02.03.02.a CS.02.03.03.c	3
ASSESSMENT DESCRIPTIONS*: (Write a brief overview here. Identify Formative/Summative. Actual assessments will be accessed by a link to PDF file or Word doc.) Students will work individually to research one profession listed in TM 1.4 in lesson 2 of the unit. Areas to examine include (but are not limited to): educational requirements, pay scale, responsibilities, and duties. Students will give a presentation on their findings in class. Assessment will be based on the content and delivery of the presentation. Spelling, grammar, punctuation, and capitalization will also be factors						

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in the assessment.	
*Attach Unit Summative Assessment, including Scoring Guides/Scoring Keys/Alignment Codes and DOK Levels for all items. Label each assessment according to the unit descriptions above (i.e., Grade Level/Course Title/Course Code, Unit #.)	
Obj. #	INSTRUCTIONAL STRATEGIES (research-based): (Teacher Methods)
1 & 2	1. Lecture and discussion
3	2. Student presentations
Obj. #	INSTRUCTIONAL ACTIVITIES: (What Students Do)
1 & 2	1. Students will respond to study questions in lessons 1 and 2.
3	2. Students will complete <i>AS 1.4, Greenhouse Careers: Which One? How to Succeed?</i> and <i>AS 1.5, Getting Involved in the Greenhouse Industry</i> .
	3. Additional activities that relate to the unit objective can be found under the heading “Other Activities and Strategies” on p. 29
UNIT RESOURCES: (include internet addresses for linking) <ul style="list-style-type: none"> ▪ Area businesses, the newspaper, or the local phone book ▪ <i>Greenhouse Operation and Management</i>. University of Missouri-Columbia, Instructional Materials Laboratory, 2002. ▪ Monster.com (job search engine). Accessed January 17, 2012, from http://www.monster.com/. ▪ <i>Occupational Outlook Handbook</i>. U.S. Department of Labor. Bureau of Labor and Statistics. Accessed January 17, 2012, from http://www.bls.gov/oco/home.htm. ▪ University of Missouri-Career Center. Accessed January 17, 2012, from http://www.career.missouri.edu/ ▪ Students will use additional outside sources to complete this activity. ▪ Introduction to Greenhouse Management (Ohio – purple book) 	