

HORTICULTURE SCIENCES

Time Frame	SOL Objective/ Competency	Essential Understandings/Questions	Essential Knowledge/Skills
1st Quarter (First 4½ Weeks)	HISTORY AND SOCIAL SCIENCE CE.1-CE.4, .14, GOVT.3, .17, .16, .15 VUS.14-15 ENGLISH 6.2, 7.1, 7.2, 6.5, 6.6, 6.7, 7.6, 7.8, 7.9, 8.6, 8.7, 8.8, 9.4, 9.6, 9.7, 10.4, 10.7, 10.8, 10.9, 11.4, 11.8, 11.9, 12.4, 12.7	DEMONSTRATE WORKPLACE READINESS SKILLS:PERSONAL QUALITIES AND PEOPLE SKILLS DEMONSTRATE WORKPLACE READINESS SKILLS: PROFESSIONAL KNOWLDEGE AND SKILLS DEMONSTRATE WORKPLACE READINESS SKILLS:TECHNOLOGY KNOWLEDGE AND SKILLS	<ul style="list-style-type: none"> • DEMONSTRATE POSITIVE WORK ETHIC • DEMONSTRATE INTEGRITY • DEMONSTRATE TEAMWORK SKILLS • DEMONSTRATE SELF REPRESENTATION SKILLS • DEMONSTRATE DIVERSITY AWARENESS • DEMONSTRATE CONFLICT RESOLUTION SKILLS • DEMONSTRATE CREATIVITY AND RESOURCEFULNESS • DEMONSTRATE EFFECTIVE LISTENING AND SPEAKING SKILLS • DEMONSTRATE READING AND WRITING SKILLS • DEMONSTRATE CRITICAL THINKING AND PROBLEM SOLVING • DEMONSTRATE HEALTHY BEHAVIORS • DEMONSTRATE AN UNDERSTANDING OF A HEALTHY WORKPLACE ENVIRONMENT • DEMONSTRATE TIME TASK AND RESOURCE MANAGEMENT • DEMONSTRATE JOB ACQUISITION SKILLS • DEMONSTRATE TELECOMMUNICATIONS SKILLS • DEMONSTRATE INTERNET USE AND SAFETY • DEMONSTRATE AN UNDERSTANDING OF WORKPLACE ENVIRONMENTS • IDENTIFY PURPOSES OF THE FFA • EXPLAIN THE BENEFITS AND RESPONSIBILITIES OF FFA MEMBERSHIP • ATTEND STUDENT MEETINGS • PARTICIPATE IN THE FFA THROUGH COMPETITIONS

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2nd Quarter (Second 4½ Weeks)	PS.8 ENGLISH 9.4, 10.4, 11.4, 12.4, 10.1, 11.1, 10.7, 11.9, GOVT .18, .16, .17, .18, .9, .3 MA .14	EXAMINING ALL ASPECTS OF AN INDUSTRY ADDRESSING ELEMENTS OF STUDENT LIFE GAINING AN OVERVIEW OF THE ENVIRONMENTAL HORTICULTURE INDUSTRY PRACTICING LEADERSHIP SKILLS	<ul style="list-style-type: none"> ● EXAMINE ASPECTS OF PLANNING WITHIN AN ORGANIZATION ● EXAMINE ASPECTS OF MANAGEMENT ● EXAMINE ASPECTS OF FINANCIAL RESPONSIBILITY ● EXAMINE TECHNICAL AND PRODUCTION SKILLS REQUIRED OF WORKERS ● EXAMINE INDUSTRY TECHNOLOGY ● EXAMINE LABOR ISSUES ● EXAMINE COMMUNITY ISSUES ● EXAMINE HEALTH, SAFETY, AND ENVIRONMENTAL ISSUES ● PARTICIPATE IN A COMMITTEE MEETING ● DELIVER AN ORAL SPEECH ● PARTICIPATE IN A PANEL DISCUSSION ● WRITE A NEWS RELEASE ● USE PARLI PRO ● COMPLETE FFA AWARD/OFFICER APPLICATION ● APPLY FOR AN FFA PROFICIENCY AWARD ● PARTICIPATE IN A COMMUNITY PROJECT ● PLAN AN SAE PROJECT ● IDENTIFY FFA OFFICER DUTIES ● DEVELOP SAE RECORD BOOK SKILLS

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3rd Quarter (Third 4½ Weeks)	BIO.3, .5, .9	APPLYING SCIENCE TO HORTICULTURE INVESTIGATING THE FLORICULTURE INDUSTRY	<ul style="list-style-type: none"> ● DEMONSTRATE UNDERSTANDING OF PLANT TAXONOMY ● ANALYZE PLANT ANATOMY AND PHYSIOLOGY

		INVESTIGATING THE LANDSCAPE INDUSTRY	<ul style="list-style-type: none"> ● IDENTIFY HOW ENVIRONMENTS INFLUENCE PLANT GROWTH ● ESTABLISH PLANT PROPAGATION PROCEDURES ● ESTABLISH GREENHOUSE GROWING PRACTICES ● DESIGN FLORAL ARRANGEMENTS ● IDENTIFY FLORICULTURE CROPS ● DESIGN AND CONSTRUCT LANDSCAPES ● MAINTAIN AND IDENTIFY LANDSCAPE PLANTS
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4th Quarter (Last 4½ Weeks)	BIO.9 ENGLISH 11.4 SCIENCE CH.1	ESTABLISH AND MAINTAIN TURFGRASS PRODUCE FRUITS AND VEGETABLES MANAGING PESTS	<ul style="list-style-type: none"> • ESTABLISH, MAINTAIN AND RENOVATE TURFGRASS • IDENTIFY VEGETABLES AND FRUIT • PLAN VEGETABLE AND FRUIT GARDEN SITES • DEMONSTRATE AN UNDERSTANDING OF INTEGRATED PEST MANAGEMENT • IDENTIFY GREENHOUSE GARDEN PESTS • INTERPRET MSDS AND PESTICIDE LABELS • FOLLOW PERSONAL SAFETY PROCEDURES