

## Curriculum Mapping

**School:** Illini Bluffs High School  
**Course:** Horticulture Entr. I – Floral Design/  
 Greenhouse Production

**School Year:** 2009-2010  
**Grade Level:** 11-12

Month	ILS	Content	Skills	Assessments	Resources
August	13B:4B  13A:5A	<u>Horticulture Industry</u> <ul style="list-style-type: none"> <li>• Exploring Career Opportunities</li> <li>• Practicing Horticulture Safety</li> </ul>	<ul style="list-style-type: none"> <li>• Be able to locate, understand and use career information.</li> <li>• Carry out relevant procedures in case of an emergency.</li> <li>• Maintain a clean and safe facility work environment.</li> <li>• Select, operate and maintain retail garden center tools and equipment.</li> <li>• Identify hazardous substances in the workplace.</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> <li>• Tests</li> <li>• Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design, Internet</u></li> </ul>
September		<u>Weed ID</u> <u>Entrepreneurship in</u>	<ul style="list-style-type: none"> <li>• Describe responsibility</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> </ul>

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	15a:5a 15A:5a  15A:5a  5B:5a 15A:5a	<u>Horticulture</u> <ul style="list-style-type: none"> <li>• Define Entrepreneurship</li> <li>• Types of Business Ownerships</li> <li>• Establishing the Horticulture Business</li> <li>• Developing a Business Plan</li> <li>• Financial Management in the Horticulture Business</li> </ul>	s of employer or management. <ul style="list-style-type: none"> <li>• Identify short-term goals. Clarify purposes and goals. Understand how to make decisions.</li> <li>• Identify the role of business in the economic system.</li> <li>• Monitor, manage and analyze the financial performance of retail.</li> </ul>	<ul style="list-style-type: none"> <li>• Tests</li> <li>• Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design</u>, Internet</li> <li>• Weed ID Slides and Weed ID Textbooks</li> </ul>
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October	5C:4a 5B:5a 5C:4a 26A:5 4B:5a 12A:5a	<u>Marketing Horticulture Products</u> <ul style="list-style-type: none"> <li>• Selecting a Marketing Approach</li> <li>• Developing a Marketing Plan</li> <li>• Advertising and Displaying Horticulture Products</li> <li>• Marketing Floral Crops</li> <li>• Selling Floral Orders</li> </ul> <u>Seed ID Chrysanthemums</u> <ul style="list-style-type: none"> <li>• Growing Potted Chrysanthemums</li> </ul>	<ul style="list-style-type: none"> <li>• Identify and respond to customer requirements.</li> <li>• Merchandise products and services.</li> <li>• Close the sale.</li> <li>• Market and promote landscape services and products.</li> <li>• Plan, set up and dismantle the visual presentation areas.</li> <li>• Display, install and maintain plants in the greenhouse.</li> <li>• Inspect, post and make signs.</li> <li>• Plant and care for potted plants in the greenhouse and nursery.</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> <li>• Tests</li> <li>• Projects</li> <li>• Career Development Event (CDE)</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design, Internet</u></li> <li>• Seed Samples</li> <li>• Mums</li> </ul>
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November	15D:4b  25A:4  26B:4d 27A:4a 18B:4  26B.4d	<u>Floral Design</u> <ul style="list-style-type: none"> <li>• Exploring the International Flower Market (Include U.S.)</li> <li>• Understanding the Principals of Floral Design</li> <li>• Using Everlasting Flowers</li> <li>• Pricing Floral Work</li> <li>• Managing the Floral Shop</li> </ul> <u>Plant ID</u> <ul style="list-style-type: none"> <li>• Floral Arrangement Flowers</li> </ul> <u>Holiday Lane Projects/Designs</u> <ul style="list-style-type: none"> <li>• Designing Centerpieces and Holiday Arrangements</li> </ul>	<ul style="list-style-type: none"> <li>• Design, monitor and assemble floral arrangements and planters.</li> <li>• Stock and price merchandise.</li> <li>• Receive, unpack and place incoming merchandise into storage.</li> <li>• Operate and maintain pay-ment point.</li> <li>• Process payments for sale of services and merchand-ise.</li> <li>• Evaluate, complete and store the design.</li> <li>• Prepare designs and plants for delivery.</li> <li>• Use memori-</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> <li>• Tests</li> <li>• Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design, Internet</u></li> <li>• Floral Supplies</li> <li>• Floral Design CD of plants</li> </ul>

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			zation skills.		
December	12A:5a 12A:5a 12A:5a	<u>Greenhouse Crop Production</u> <ul style="list-style-type: none"> <li>• Growing Poinsettias</li> <li>• Forcing Easter Lilies</li> <li>• Growing and Forcing Bulbs, Corms, and Tubers</li> </ul> <u>Plant ID</u> <ul style="list-style-type: none"> <li>• Bulbs/Biennials</li> <li>• Perennials</li> </ul>	<ul style="list-style-type: none"> <li>• Plant and care for potted plants in the greenhouse and nursery.</li> <li>• Assemble dish gardens, terrariums and other plant combinations.</li> <li>• Use memorization skills.</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> <li>• Tests</li> <li>• Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design, Internet</u></li> <li>• Spring Bulbs</li> <li>• Fresh Flowers/Plants</li> </ul>

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January	12A:4a 12A:5a 12A:5a 12A:5a 24C.4 5A.4b 1C.4c 5A.5a 3C.5b 3C.5b 4B.5d 4B. 5d	<u>Plant Anatomy and Physiology Review</u> <ul style="list-style-type: none"> <li>• Classifying Ornamental Plants</li> <li>• Understanding Plant Physiology</li> <li>• Understanding Light, Temperature, Air, and Water Effects on Plant Growth</li> <li>• Understanding Plant Growth Regulators</li> </ul> <u>Plant Identification</u> <ul style="list-style-type: none"> <li>• Annuals</li> </ul> <u>Gaining Employment</u> <ul style="list-style-type: none"> <li>• Developing Goals</li> <li>• Obtaining Education for a Job</li> <li>• Identifying Occupational Competencies</li> <li>• Finding a Job</li> <li>• Applying for a Job</li> <li>• Writing a Resume</li> </ul>	<ul style="list-style-type: none"> <li>• Care for potted plants.</li> <li>• Identify short-term goals.</li> <li>• Be aware of the career planning process.</li> <li>• Understand the relationship between work and learning.</li> <li>• Be able to locate, understand and use career information.</li> <li>• Complete job application form.</li> <li>• Prepare a resume.</li> <li>• Write a job application letter.</li> <li>• Prepare for job interview.</li> <li>• Write interview</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> <li>• Tests</li> <li>• Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design, Internet</u></li> <li>• Plant ID CDs</li> <li>• Resume Booklet</li> <li>• Various Job Applications</li> </ul>

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		and Letter of Application <ul style="list-style-type: none"> <li>• Succeeding in a Job Interview</li> <li>• Understanding Conflicts and Their Resolution</li> </ul>	follow-up letter. <ul style="list-style-type: none"> <li>• Establish and maintain relationships with co-workers.</li> </ul>		
February	12A:5a 12A:4b  12A:5a 12A:5a 12A:5a  12A:5a 18B:4  12A:4b	<u>Plant Propagation</u> <ul style="list-style-type: none"> <li>• Propagating Plants Sexually</li> <li>• Propagating Plants by Division, Separation, and Layering</li> </ul> <u>Greenhouse Crop Production</u> <ul style="list-style-type: none"> <li>• Growing Bedding Plants</li> <li>• Growing Potted Plants</li> <li>• Growing Minor Potted Flowering Crops</li> <li>• Growing Foliage Plants</li> <li>• Managing the Greenhouse Business</li> </ul> <u>Floral Design Project</u> <ul style="list-style-type: none"> <li>• Caring for Fresh</li> </ul>	<ul style="list-style-type: none"> <li>• Propagate and Grow Plants</li> <li>• Plant and care for potted plants in the greenhouse and nursery.</li> <li>• Design, monitor and assemble planter combinations.</li> <li>• Design, monitor and assemble planters and arrangements.</li> <li>• Assemble dish gardens, terrariums and other plant combinations.</li> <li>• Carry out relevant procedures in</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> <li>• Tests</li> <li>• Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design</u>, Internet</li> <li>• Plant + Seed materials             <ul style="list-style-type: none"> <li>○ Annuals</li> <li>○ Perennials</li> <li>○ Foliage</li> <li>○ Pots</li> <li>○ Soil</li> <li>○ Etc.</li> </ul> </li> <li>• Fresh Cut Flowers and Materials</li> </ul>

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		Flowers and Foliage	<p>case of an emergency.</p> <ul style="list-style-type: none"> <li>• Receive, unpack and place incoming plants and materials.</li> </ul>		
March	11B:4d 11B:4d 11B:4d 12B.4a 12B4b 13A.4a 13A.4a 7A.4b 13A.4a 12B.4b	<p><u>Greenhouse Structures and Designs</u></p> <ul style="list-style-type: none"> <li>• Exploring Greenhouse Structures</li> <li>• Controlling Greenhouse Climate</li> <li>• Using Automated Systems in the Greenhouse</li> </ul> <p><u>Integrated Pest Management</u></p> <ul style="list-style-type: none"> <li>• Understanding Intergrated Pest Management</li> <li>• Determining Kinds of Pesticides</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain physical plant facilities.</li> <li>• Select, operate and maintain tools and equipment.</li> <li>• Control pests and plant disorders.</li> <li>• Control weeds, pests, insects, diseases, moss and plant disorders.</li> <li>• Address customer questions and</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> <li>• Tests</li> <li>• Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design</u>, Internet</li> <li>• Pest and Disease ID handbook.</li> </ul>

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	12B.4b	<ul style="list-style-type: none"> <li>• Using Pesticide Safely'</li> <li>• Interpreting Pesticide Labels</li> <li>• Applying Pesticides</li> <li>• Managing Environmental Impact of Pesticides</li> <li>• Identifying and Managing Plant Pest and Diseases in the Greenhouse</li> <li>• Identifying and Managing Plant Pest and Diseases in Fruit and Vegetables.</li> </ul>	inquiries about plant characteristics, planting and maintenance.		
April	12A:4b 12A:4b 26A.4e 26A.5	<u>Nutrients and Hydroponics in Floriculture Crops</u> <ul style="list-style-type: none"> <li>• Supplying Nutrients to Floriculture Crops</li> <li>• Understanding Hydroponics (Types of Systems)</li> </ul> <u>Interior Plantscapes</u> <ul style="list-style-type: none"> <li>• Installing Interior Plantscapes</li> </ul>	<ul style="list-style-type: none"> <li>• Analyze, interpret and enhance substrate fertility and water quality.</li> <li>• Select, operate and maintain tools and equipment.</li> <li>• Answer customer</li> </ul>	<ul style="list-style-type: none"> <li>• Worksheet</li> <li>• Quizzes</li> <li>• Tests</li> <li>• Projects</li> </ul>	<ul style="list-style-type: none"> <li>• Illinois Core Curriculum CD</li> <li>• Ag Education PowerPoint</li> <li>• Videos</li> <li>• Supplies for Project</li> <li>• References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design</u>, Internet</li> <li>• Hydroponics materials</li> </ul>

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	26B.4d 26B.4d 26B.4d	<ul style="list-style-type: none"> <li>Maintaining Interior Plantscapes</li> </ul> <u>Plant ID</u> <ul style="list-style-type: none"> <li>Interior Plants</li> </ul> <u>Advance Floral Design</u> <ul style="list-style-type: none"> <li>Designing Wedding Pieces</li> <li>Designing Sympathy Arrangements</li> <li>Designing Corsages and Boutonnieres</li> </ul>	<p>questions and inquiries about plant characteristics, planting, and maintenance.</p> <ul style="list-style-type: none"> <li>Answer customer questions about plant materials and their sensitivities.</li> <li>Install and maintain hardscapes.</li> <li>Design, monitor and assemble floral arrangements.</li> </ul>		<ul style="list-style-type: none"> <li>Interior Plants and materials</li> <li>Plant ID CD</li> <li>Fresh Cut Flowers and materials</li> </ul>
May	5C:4a 5B:5a 5C:4a  26A:5 4B:5a	<u>Continue Adv. Floral Design Unit</u>  <u>Plant Sale</u> <ul style="list-style-type: none"> <li>Prepare plants for sale</li> <li>Create a Marketing strategy</li> <li>Develop Advertising and Displaying</li> </ul>	<ul style="list-style-type: none"> <li>Identify and respond to customer requirements.</li> <li>Merchandise products and services.</li> <li>Close the sale.</li> <li>Market and promote</li> </ul>	<ul style="list-style-type: none"> <li>Worksheet</li> <li>Quizzes</li> <li>Tests</li> <li>Projects</li> </ul>	<ul style="list-style-type: none"> <li>Illinois Core Curriculum CD</li> <li>Supplies for Projects</li> <li>References: <u>Introductory to Horticulture, Introduction to Horticulture, Floriculture: From Greenhouse to Floral Design</u>, Internet</li> <li>Computer software</li> <li>Local Newspapers</li> </ul>

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		<p>method</p> <ul style="list-style-type: none"> <li>• Sell plants to the public</li> </ul>	<p>landscape services and products.</p> <ul style="list-style-type: none"> <li>• Plan, set up and dismantle the visual presentation areas.</li> <li>• Inspect, post and make signs</li> </ul>		
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