

<ol style="list-style-type: none"> 2. Society of American Florists (SAF) 3. American Academy of Floriculture (AAF) 4. American Floral Marketing Council (AFMC) 5. Professional Florist Commentators International (PFCI) 6. Redbook Master Consultants (RMC) 7. Allied and State Florists Associations <p>III. Trade Publications</p> <ol style="list-style-type: none"> A. Floral Finance B. Floral Management C. Floral Mass Marketing D. Florist E. Florists' Review F. Flower News G. Flower Magazine H. Holland Flowers I. PFD (Professional Florist Designer) J. The Retail Florist K. Supper Market Florist L. Flowers M. FTD Future Florist Newsletter N. Design for People O. Design with Flowers P. Floral and Nursery Times Q. Market Letter R. The Professional Floral Designer 	<p>Exit Slips Students write letters requesting information for student membership in professional floral organizations. Lecture with PowerPoint Presentation</p>	<p>Students write reflections of what they have learned. Email or Paper mail LCD Projector with Computer</p>
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Unit Assessment:	Guest speaker worksheet, PowerPoint presentation, Buzz poster, Quiz, Test, Displays, Posters, Group Project
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Unit/Course CTSO Activity:	Students will develop portfolio of projects. FFA Members will participate in the Floriculture CDE.
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Unit/Course Culminating Product:	Students will present a multimedia presentation discussing career opportunities in the floral design industry and develop picture portfolio in order to gain employment in the floral design industry.
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Course/Program Credential(s): <input type="checkbox"/> Credential <input type="checkbox"/> Certificate <input type="checkbox"/> Postsecondary Degree <input checked="" type="checkbox"/> University Degree <input type="checkbox"/> Other:
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Course Title: Creative Floral Design

Unit: 2	Safety
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Content Standard(s) and Depth of Knowledge Level(s):	<p>Students will:</p> <ol style="list-style-type: none"> 3. Apply safety precautions involved in creative floral design.
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Learning Objective(s) and Depth of Knowledge Level(s):	<p>Students will:</p> <ol style="list-style-type: none"> 1. Explain the importance of safety in the floral design industry. 2. Explain personal protective equipment and give examples. 3. Identify safety precautions necessary when handling, applying, and storing chemicals used in the floral design industry.
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Essential Question(s):	What criteria should floral design industry use to understand the importance of safe usage of tools and supplies?
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Content Knowledge	Suggested Instructional Activities Rigor & Relevance Framework (Quadrant)	Suggested Materials, Equipment and Technology Resources
<p>I. Importance of safety in the floral design industry</p> <ol style="list-style-type: none"> A. Safety in floral design industry <ol style="list-style-type: none"> 1. Usage of Tools and Equipment B. Hazards in floral design industry <ol style="list-style-type: none"> 1. Usage of Chemicals (examples: Spray paint, leaf shine, and floral preservatives) 2. Slips and Falls 3. Electrical Safety 	<p>Lecture with PowerPoint Presentation and Classroom Discussion Guided Practice</p>	<p>Textbooks Checklists Handouts Teaching Equipment LCD Projectors with Computers and Printers Internet CDs</p>

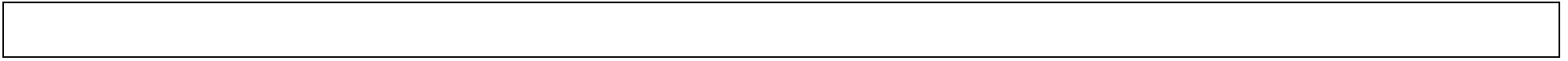
<p>II. Personal Protective Equipment</p> <ul style="list-style-type: none"> A. Eye Protection B. Hearing protection C. Respiratory protection D. Skin and body protection <p>III. Safety precautions necessary when handling, applying, and storing chemicals used in the floral design industry</p> <ul style="list-style-type: none"> A. Reading Labels B. Wearing proper PPE C. Proper storage and disposal of chemicals 	<p>Lecture with PowerPoint Presentation and Classroom Discussion</p> <p>Note-Taking</p> <p>Simulations</p> <p>Lecture with PowerPoint Presentation and Classroom Discussion</p> <p>Note-Taking</p> <p>Simulations</p>	<p>Textbooks</p> <p>Checklists</p> <p>Handouts</p> <p>Teaching Equipment</p> <p>Lab Equipment</p> <p>Lab Supplies</p> <p>Student Equipment</p> <p>LCD Projectors with Computers</p> <p>Internet</p> <p>Textbooks</p> <p>Checklists</p> <p>Handouts</p> <p>Teaching Equipment</p> <p>Lab Equipment</p> <p>Lab Supplies</p> <p>Student Equipment</p> <p>LCD Projectors with Computers</p> <p>Internet</p>
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Unit Assessment:	Safety Test, Performance Tasks, Solutions to Problems, Teacher Observations, Checklists, and Scenarios
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Unit/Course CTSO Activity:	Students will develop portfolio of projects. FFA Members will participate in the Floriculture CDE.
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Unit/Course Culminating Product:	Students will take floral design safety test attaining 100% grade on exam.
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Course/Program Credential(s): <input type="checkbox"/> Credential <input type="checkbox"/> Certificate <input type="checkbox"/> Postsecondary Degree <input checked="" type="checkbox"/> University Degree <input type="checkbox"/> Other:
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Course Title: Creative Floral Design

Unit: 3	Design Mechanics
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Content Standard(s) and Depth of Knowledge Level(s):	<p>Students will:</p> <p>4. Demonstrate the use of design mechanics in creative floral designs. Examples: wiring and taping techniques, interpreting progressive color theory, analyzing floral design forms</p>
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Learning Objective(s) and Depth of Knowledge Level(s):	<p>Students will:</p> <ol style="list-style-type: none"> 1. Evaluate the principals of design. 2. Evaluate basic designs used in flower arranging. 3. Identify the basic color schemes used in floral design. 4. Use a color wheel to determine combinations for various color schemes. 5. Determine containers used for floral designs. 6. Identify different types and shapes of floral foam. 7. Prepare a block of floral foam for a design. 8. Identify adhesive materials used in floral design work. 9. Select cutting tools to be used in floral design work. 10. Identify the types of picks used in floral design. 11. Determine appropriate size of wire for flowers. 12. Determine appropriate wiring and taping procedure for different flowers and foliage. 13. Select ribbon of appropriate size for specific design. 14. Construct a florist bow from several sizes of ribbon.
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Essential Question(s):	What are the proper mechanics to be used to create floral designs that are adequate for sale in the floral design industry?
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Content Knowledge	Suggested Instructional Activities Rigor & Relevance Framework (Quadrant)	Suggested Materials, Equipment and Technology Resources
I. Design Principals A. Balance B. Proportion and Scale C. Focal Point D. Emphasis F. Rhythm G. Repetition		CDs, Internet or PowerPoint used in demonstrating design principals Reference Books demonstrating types of design principals Handouts about basic design principals LCD Projector with Computer

- H. Radiation
- I. Progression
- J. Facing
- K. Transition
- L. Harmony
- M. Unity

II. Design Elements

- A. Line
- B. Form
- C. Texture

III. Color.

A. Color Wheel

- 1. Primary
- 2. Secondary
- 3. Intermediate
- 4. Tertiary
- 5. Chroma

B. Value

- 1. Tone
- 2. Shade
- 3. Tint

C. Color Harmonies

- 1. Monochromatic
- 2. Analogous Harmony
- 3. Complementary
- 4. Split-Complementary
- 5. Triadic

CDs, Internet or PowerPoint used in demonstrating design principals
Reference Books demonstrating types of design principals
Handouts about basic design principals
LCD Projector with Computer

CDs, Internet or PowerPoint used in demonstrating design principals
Reference Books demonstrating types of design principals
Handouts about basic design principals
LCD Projector with Computer

IV. Containers

- A. Texture of Container
- B. Shape of Container
- C. Size
- D. Color

V. Floral Foam

- A. Standard
- B. Deluxe
- C. Instant
- D. Instant Deluxe
- E. Springtime
- F. Specialty Forms Floral Foam
- G. Floral Foam holding devices

VI. Adhesive Materials

- A. Waterproof or anchor tape
- B. Floral tape
- C. Floral Adhesive Clay
- D. Hot Glue
- E. Spray Glues

VII. Cutting Tools

- A. Floral Knives
- B. Wire Cutters
- C. Florist shears
- D. Ribbon Shears
- E. Pruning Shears

CDs, Internet or PowerPoint used in demonstrating use of containers used in floral design industry

Reference Books and Magazines demonstrating types of containers used in floral design industry

LCD Projector with Computer

Lab Supplies demonstrating types of containers used in floral design industry

CDs, Internet or PowerPoint used in demonstrating use of floral foam

Reference Books, Internet, and Magazines discussing types and forms of floral foam used in the floral design industry

LCD Projector with Computer

Lab Supplies demonstrating the use and types of floral foam

CDs, Internet or PowerPoint used in demonstrating use of Adhesive Materials

Reference Books, Internet, and Magazines discussing types of Adhesive Materials used in the floral design industry

LCD Projector with Computer

Lab Supplies demonstrating the use and types of adhesive materials

CDs, Internet or PowerPoint used in demonstrating use and different types of cutting tools

Reference Books, Internet, and Magazines discussing types of cutting tools used in the floral design industry

LCD Projector with Computer

Lab Supplies demonstrating the use and types of cutting tools

VIII .Picks

- A. Wooden and Steel Picks
- B. Water Picks
- C. Pick Machine

IX. Wire and Tape

- A. Various Gauge sizes #16-#30
- B. Various Gauge sizes used on different types of flowers
- C. Wire straightens, supports, keeps flowers upright
- D. Methods of wiring
 - 1.Straight-Wire method
 - 2.Hook Method
 - 3.Piercing Method
 - 4.Hairpin Method
 - 5.Wrap Method
 - 6.Stitch Method
- E. Tape
 - 1.Colors of floral tape
 - 2.Methods for taping

X. Ribbon

- A. Materials used to make ribbon
- B. Ribbon sizes
- C. Tying a Bow

CDs, Internet or PowerPoint used in demonstrating use of Picks
Reference Books, Internet, and magazines discussing types picks in the floral design industry
LCD Projector with Computer
Lab Supplies demonstrating the use of picks

CDs, Internet or PowerPoint used in demonstrating methods used in wiring flowers and foliage.
Reference books, Internet, and magazines discussing types and gauges of wire used in the floral design industry
LCD Projector with computer
Lab Supplies demonstrating the use and types of wiring methods for different flowers and foliage

CDs, Internet or PowerPoint used in demonstrating the different uses of ribbon and how to make bows used in floral design industry.
Reference books, Internet, and magazines discussing types, styles, and sizes or ribbon.
LCD Projector with computer
Lab supplies demonstrating the use of ribbon in the floral design industry

Unit Assessment:	Portfolio entry, Experiments, Test, Collages, Posters, Projects
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Unit/Course CTSO Activity:	Students will develop portfolio of projects. FFA Members will participate in the Floriculture CDE.
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Unit/Course Culminating Product:	Students will present a multimedia presentation discussing career opportunities in the floral design industry and develop picture portfolio in order to gain employment in the floral design industry.
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Course/Program Credential(s): <input type="checkbox"/> Credential <input type="checkbox"/> Certificate <input type="checkbox"/> Postsecondary Degree <input checked="" type="checkbox"/> University Degree <input type="checkbox"/> Other:
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Course Title: Creative Floral Design

Unit: 4	Floral Designs
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Content Standard(s) and Depth of Knowledge Level(s):	<ol style="list-style-type: none"> 5. Demonstrate design techniques used in creating contemporary arrangements, including basing, clustering, pillowing, layering, bundling, and wrapping. 6. Design abstract and interpretive arrangements using both natural and man-made materials. 7. Create period designs, including southwest, colonial, country, oriental, and European.
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Learning Objective(s) and Depth of Knowledge Level(s):	<ol style="list-style-type: none"> 1. Describe contemporary floral design. Name techniques used in creating contemporary floral designs. 2. Demonstrate advanced techniques such as basing, clustering, pillowing, layering, bundling, and wrapping in a modernistic floral design. 3. Demonstrate the ability to create a modernistic floral design using natural and man-made materials. 4. Compare and contrast why modernistic floral designs exist when they are only popular for a short period of time. 5. Identify the origins of many of the floral designs that are popular today. 6. Describe the influences of the European and the oriental style on the American style of design. 7. Determine a favorite period-style design and plan the supplies needed and construct an authentic replication 8. Analyze the difference between the period-style floral designs throughout history.
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Essential Question(s):	What impact have different cultures throughout history had on floral design techniques and styles?
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Content Knowledge	Suggested Instructional Activities Rigor & Relevance Framework (Quadrant)	Suggested Materials, Equipment and Technology Resources
I. Contemporary design techniques <ol style="list-style-type: none"> 1. Basing 2. Clustering 3. Pillowing 4. Layering 5. Bundling 6. Wrapping 	Laboratory Simulations PowerPoint Presentation and Lectures Portfolio	Reference Books Rating Charts CDs Video PowerPoint demonstrating techniques Lab Supplies and Equipment for teacher to demonstrate different techniques. Students can practice in teams

<p>II. Abstract and Interpretative floral designs</p> <p style="padding-left: 40px;">A. Natural Materials</p> <p style="padding-left: 40px;">B. Man-Made Materials</p> <p>III. Floral period and cultural designs</p> <p style="padding-left: 40px;">A. European</p> <p style="padding-left: 40px;">B. Oriental</p> <p style="padding-left: 40px;">C. Colonial</p> <p style="padding-left: 40px;">D. Country</p> <p style="padding-left: 40px;">E. Southwest</p>	<p>PowerPoint with Lecture</p> <p>Laboratory</p> <p>Demonstrations</p> <p>Research/Group Investigation</p> <p>Portfolio</p> <p>Laboratory</p> <p>Simulations</p> <p>Demonstrations</p> <p>Group Investigations</p> <p>Instructional Technology</p> <p>Lecture</p> <p>Note-Taking</p> <p>Research</p> <p>Worksheets</p>	<p>LCD Projector with Computer</p> <p>CDs, Internet or PowerPoint used in demonstrating and researching contemporary design.</p> <p>Reference books and magazines</p> <p>Lab supplies and equipment for developing contemporary design</p> <p>LCD Projector with computer</p> <p>PowerPoint on period designs</p> <p>Internet to research different period floral designs.</p> <p>Lab supplies and equipment for creating period design.</p> <p>LCD Projector with computer</p>
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Unit Assessment:	Portfolios, Projects, Research Teams, Online Activities, Experiments, Performances of Floral Designs
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Unit/Course CTSO Activity:	Students will develop portfolio of projects. FFA Members will participate in the Floriculture CDE.
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Unit/Course Culminating Product:	Students will present a multimedia presentation discussing career opportunities in the floral design industry and develop picture portfolio in order to gain employment in the floral design industry.
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Course/Program Credential(s): <input type="checkbox"/> Credential <input type="checkbox"/> Certificate <input type="checkbox"/> Postsecondary Degree <input type="checkbox"/> University Degree <input type="checkbox"/> Other:



Course Title: Creative Floral Design

Unit: 5	Creative Designing
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Content Standard(s) and Depth of Knowledge Level(s):	<p>Students will:</p> <ol style="list-style-type: none"> 1. Describe factors involved with balloon decorating. 2. Create tabletop floral arrangements for special events. 3. Construct various specialty arrangements, including dish gardens, topiaries, jardinières, and pot-de-fleur. 4. Demonstrate the ability to dry and preserve flowers and foliage. 5. Identify various types of permanent flowers.
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Learning Objective(s) and Depth of Knowledge Level(s):	<p>Students will:</p> <ol style="list-style-type: none"> 1. Demonstrate the different ways that balloons are used in decorating for events. 2. Design a table top arrangement for a major and minor holiday. 3. Design a table top arrangement to be used at a wedding reception or ceremony. 4. Design a table top arrangement for a school event. 5. Demonstrate the ability to wrap potted plants with florist foil. 6. Demonstrate the ability to wrap potted plants with preformed pot covers. 7. Design a jardinière (decorative container used to hold potted plants) using a variety of materials. 8. Design a dish garden using the European dish garden design. 9. Discuss the pot-de-fleur (adding flowers to the dish garden) techniques used in dish gardens. 10. Demonstrate the variety of techniques (chicken wire, plunger, and pomander oasis balls) used for designing the foundation for topiary ball construction. 11. Design a topiary using a variety of materials. 12. Explain the various ways to dry flowers hanging method, desiccant-drying, microwave drying, and glycerin, bleaching and dyeing. 13. Identify flowers and foliage that have tendencies to dry effectively. 14. Demonstrate the ability to dry flowers or foliage and use them in a dried floral design. 15. Identify various types of permanent flowers including silk and paper dried. 16. Demonstrate mechanics used in designing with faux or dried flowers. 17. Discuss ways to maintain and keep dried and permanent flowers fresh looking. 18. Design an arrangement using only faux flowers and foliage.
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Essential Question(s):	What design criteria should a student know to create dried and permanent flower arrangements to sell in a floral design business?
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Content Knowledge	Suggested Instructional Activities Rigor & Relevance Framework (Quadrant)	Suggested Materials, Equipment and Technology Resources
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<p>I. Balloon Decorating</p> <ul style="list-style-type: none"> A. Mylar Balloons B. Latex Balloons C. Equipment D. Inflating Balloons E. Event Decorating 	<p>Laboratory Simulations Group Investigation Virtual Field Trip Instructional Technology Portfolio</p>	<p>PowerPoint with virtual field trip to site with decorations for event using balloons Lab equipment and supplies to develop Balloon Decorating for Event</p>
<p>II Special Events table top floral designs</p> <ul style="list-style-type: none"> A. Major Holidays B. Minor Holidays C. Weddings D. School Events 	<p>Laboratory Simulations Guest Speakers Instructional Technology Lecture Handouts Portfolio Simulation</p>	<p>Lab equipment and supplies to develop table top floral designs for major and minor holidays, weddings and school events Design table top floral designs for a school event PowerPoint with directions and descriptions of all types of table top designs for special events Handout and supplies to take orders for special event table top floral designs Internet view Web sites for special event floral designs looking at each type of design including major holidays, minor holidays, weddings and school events Prepare picture portfolio with students designs photographed for presentation for future career in floral design. Guest Speaker to discuss event design and how flowers are used at events</p>
<p>III. Potted Plants and Dish Gardens.</p> <ul style="list-style-type: none"> A. Use of indoor potted plants B. Poly foil and preformed pot covers C. European Dish Garden D. Pot-de-fleur Dish Garden E. Jardinières Dish Garden F. Topiaries 	<p>Laboratory Simulations Guest Speakers Instructional Technology Lecture Portfolio</p>	<p>Lab equipment and supplies to develop potted plants and dish gardens PowerPoints with directions on how to create potted plants using the variety of styles and design types Prepare portfolio picture and written explanation of potted plant and dish garden Demonstration of making a European Dish Garden</p>
<p>IV. Drying Flowers</p> <ul style="list-style-type: none"> A. Identify flowers best suited for drying 		<p>Lab equipment and supplies to dry flowers PowerPoint with directions on how to dry and</p>

<ul style="list-style-type: none"> B. Hanging Method C. Desiccant-Drying D. Microwave Drying <li style="padding-left: 20px;">Glycerin E. Bleach and Dyeing 	<p>Laboratory Simulations Instructional Technology Lecture Portfolio</p>	<p>preserve dried flowers and foliage Prepare portfolio picture and written explanation of understanding of dried flowers and foliage</p>
<p>V. Permanent Flowers</p> <ul style="list-style-type: none"> A. Paper Flowers B. Silk Flowers C. Dried and Preserved Flowers D. Freeze-Dried Flowers F. Mechanics for permanent flowers 	<p>Laboratory Simulations Instructional Technology Lecture Portfolio</p>	<p>Lab equipment and supplies to prepare and develop designs using permanent flowers PowerPoint with directions on how to use permanent flowers Prepare portfolio picture of permanent floral design and written explanation of understanding of permanent flowers and foliage</p>

Unit Assessment:	Performance Tasks, Portfolios, Projects, Research Teams, Online Activities, Tests, Displays, Group Projects, Rating Scales
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Unit/Course CTSO Activity:	Students will develop portfolio of projects. FFA Members will participate in the Floriculture CDE.
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Unit/Course Culminating Product:	Students will present a multimedia presentation discussing career opportunities in the floral design industry and develop picture portfolio in order to gain employment in the floral design industry.
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Course/Program Credential(s): <input type="checkbox"/> Credential <input type="checkbox"/> Certificate <input type="checkbox"/> Postsecondary Degree <input checked="" type="checkbox"/> University Degree <input type="checkbox"/> Other:
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Course Title: Creative Floral Design

Unit: 6	Visual Marketing
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Content Standard(s) and Depth of Knowledge Level(s):	Students will: 13. Create window and in-store displays, including radiation, step, pyramid, and zigzag designs.
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Learning Objective(s) and Depth of Knowledge Level(s):	Students will: 1. Plan a visual display. 2. Understand the four primary purposes of displays. 3. Understand the secondary purposes of displays. 4. Discuss the different categories of display. 5. Understand artistic displays used in floral design. 6. Understand the different design display arrangements.
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Essential Question(s):	What design criteria should a student know to create window and in-store displays in a floral business?
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Content Knowledge	Suggested Instructional Activities Rigor & Relevance Framework (Quadrant)	Suggested Materials, Equipment and Technology Resources
I. Planning a visual display for a floral design shop. A. Primary Purposes of Displays 1. Attract Attention 2. Arouse Interest 3. Create Desire 4. Initiate Buying B. Secondary Purposes 1. Impulse Buying 2. Artistic Display C. Categories of Display 1. Theme Display 2. Product-Oriented Displays D. Designing Display Arrangements	Laboratory Simulations Demonstrations Group Investigations Instructional Technology Lecture Note-Taking Research Worksheets Brainstorming/Discussion Case Studies Field Trips/ Virtual Field Trips Guided Practice	Lab equipment and supplies to develop visual display for a floral design shop PowerPoint with directions and descriptions and examples of visual displays in floral design shops Internet view Web sites for virtual tour of designs and presentations of floral designs visual displays Prepare picture portfolio with students designs for visual display and photographed for presentation for future career in floral design and written explanation of what was accomplished through design work. Guest Speaker to discuss visual display in floral

<ol style="list-style-type: none"> 1. Repetition Arrangement 2. Step Arrangement 3. Zigzag Arrangement 4. Pyramid Arrangement 5. Radiation Arrangement 		design shop
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Unit Assessment:	Performance Tasks, Portfolios, Projects, Research Teams, Online Activities, Tests, Projects, Models, Exhibitions
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Unit/Course CTSO Activity:	Students will develop portfolio of projects. FFA Members will participate in the Floriculture CDE.
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Unit/Course Culminating Product:	Students will present a multimedia presentation discussing career opportunities in the floral design industry and develop picture portfolio in order to gain employment in the floral design industry.
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Course/Program Credential(s): <input type="checkbox"/> Credential <input type="checkbox"/> Certificate <input type="checkbox"/> Postsecondary Degree <input checked="" type="checkbox"/> University Degree <input type="checkbox"/> Other:
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