

Lesson Planning Guide

Instructor: Mrs. Love

Course: Floral Design

Title of Lesson: Unit 3 Safety and Tool Material ID

Date: Week 4

Lesson Duration: **44 mins - Monday**

Monday, Tuesday, Wednesday (Lab), Friday

Lesson 1 of 4- Monday

Objective:

The student will gain an understanding of floral design tools and how they are used in the industry. To identify floral design tools.

Materials and Supplies:

Vocabulary handout, Student Notes handout, PowerPoint Slide show. Floral Tool Research handout, Floral Design Tool Project Handout and Rubric. Floral paint, floral foam adhesives, wire, wire cutters, floral snips, ribbon, ribbon scissors, containers, tapes, picks, floral food and any other items you wish to use as an example.

Assessment:

Formative Assessment: Identification of various tools will be assessed along with correctly identifying proper use. Students will research a floral tool in class: tools purpose and how it is used or maybe used as an exit ticket.

Standards:

Industry Sector Anchor Standards - Agriculture and Natural Resources

2.0 Communication

2.4 Demonstrate elements of written and electronic communication, such as accurate spelling, grammar, and format.

4.0 Technology

4.1 Use electronic reference materials to gather information and produce products and services

4.3 Use information and communication technologies to synthesize, summarize, compare, and contrast information from multiple sources.

4.7 Demonstrate the use of appropriate tools and technology used in the Agriculture and Natural Resources sector.

Career Pathway Standards: Ornamental Horticulture Pathway

F11.0 Understand basic floral design principles.

F11.1 Demonstrate the use of plant materials and tools.

Key Academic Standards from the Academic Alignment Matrix

Language Standards Reading Standards for Literacy in Science and Technical Subjects – RLST (Standard Area, Grade Level, Standard #)

9-10.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text

11-12.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.

Anticipatory Set:

Have a table set up in the front of the room with as many tools, containers, glues, adhesives and other materials as you can think of that would be eye catching to students.

Pose the question: In order to make a floral arrangement, what items besides flowers do you think you might need to perform the task? Allow students to answer. Thank them for their participation.

It takes a lot more than a vase, water and a good pair of snips to create a work of art, which is what you will all do as time moves on. All of these items you see before you today are tools and materials you will become very familiar with and some of these items you will be using every day.

Take 5 minutes and come up and look at some of the tools you will be using this year. Feel free to touch them and pick them up. Write any questions you might have down and we will answer them in a bit.

Teaching

- Floral Design Tools-Knives: Different styles are designed for different uses and convenience, used to cut stems and floral foam.
- Floral Scissors are used to cut ribbon and wire; serrated edges, slender blade edges.
- Wire cutters – spring action blades used to cut heavy wire, Utility cutters used to cut light wire.
- Floral shears designed to cut stems without crushing them. Used to cut thick or woody stems. Pruning shears designed to cut very thick tough branches with one smooth cut.
- Stem strippers- used to remove thorns and leaves from stems. (several models)

Modeling:

Demonstrate the proper use of each tool in front of the class. Demonstrate the wrong use of tools and how improper use leads to disappointing outcomes and possible safety near misses.

Instructional Strategies:

PowerPoint featuring images and definitions of tools and uses: show slides 1-18; students will follow along with student notes handout and fill in missing information.

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To start the lesson, I would ask the students to define in their own words what they think being a florist entails and how it connects to our everyday life. I would then ask them what they think a florist should know and what tools they think they would need to complete the task.

How would this relate to any other industry? Do I need to know what a lug wrench is to change a tire on a car? Why would a doctor need to know what a scalpel is before he performed surgery? Or where to put gasoline into a lawnmower? All these tools have a function and meaning, all these tools need to be used in a specific way to get a good outcome. No matter what industry, all tools have a place, all tools have meaning, all tools need to be used in specific ways.

I would then hand out Student Notes and vocabulary terms. With a room full of tools, I would ask all the students to come look, feel, play with all the tools, and implements they see.

Using a power point, I would relate each object to a specific job. Students would then repeat words and relate it to a floral task.

Checking for Understanding:

Point to tools located in the front of the room that we have covered and ask if I can use particular tools in a specific scenario. (Teachers choice)

Guided Practice:

1. Students will be divided into groups and each group will choose a design from the Internet or a trade magazine and gather the tools needed to create the design.

2. Assign homework project: As a group, create a presentation on which tools are required for your design.

Students should demonstrate knowledge by defining the following:

How tools aid in the process.

A list of tools they believe are needed to create the design

Why the tools are important to floral design

Approximate cost of design.

Project will be due at the end of the week after final assessment.

Time will be allotted in each class to work on this project- some outside classwork may be needed.

Grading Rubric handed out.

Independent Practice:

Students will research a tool they have covered today on the internet and uncover the following information: Use, care of, and safety precautions when using the chosen tool.

Closure:

Now that you have an understanding with the use of knives, scissors, and strippers, let's move on to adhesives, water tubes, and waterproof clay.

Lesson Planning Guide

Instructor: Mrs. Love

Course: Floral Design

Title of Lesson: Unit 3 Safety and Tool Material ID

Date: Week 4

Lesson Duration: **44 mins - Tuesday**

Monday, Tuesday, Friday

Lesson 2 of 4

Objective:

The student will gain an understanding of floral design tools and how they are used in the industry. To describe the use of adhesives in floral design

Materials and Supplies:

Students will need to refer to their student vocabulary handout and interactive note books; student notes, Hand out floral glue, floral tape, flowers and cardboard.

Assessment:

Formative Assessment: Identification of various tools will be assessed along with correctly identifying proper use.

Standards:

Industry Sector Anchor Standards - Agriculture and Natural Resources

2.0 Communication

2.4 Demonstrate elements of written and electronic communication, such as accurate spelling, grammar, and format.

2.5 Communicate information and ideas effectively to multiple audiences using a variety of media and formats.

4.0 Technology

4.1 Use electronic reference materials to gather information and produce products and services

4.3 Use information and communication technologies to synthesize, summarize, compare, and contrast information from multiple sources.

4.7 Demonstrate the use of appropriate tools and technology used in the Agriculture and Natural Resources sector.

Career Pathway Standards: Ornamental Horticulture

F11.0 Understand basic floral design principles.

F11.1 Demonstrate the use of plant materials and tools.

Key Academic Standards from the Academic Alignment Matrix

Language Standards Reading Standards for Literacy in Science and Technical Subjects – RLST (Standard Area, Grade Level, Standard #)

9-10.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text

11-12.3 Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.

Anticipatory Set:

Have a corsage, flower with water pick, clear vase with tray at front of room.

Yesterday we talked about knives, scissors, wire cutters... Today we are now moving on to adhesives.

Why would adhesives be important to floral design? Let the students answer- Thank you for all your great answers!

Why would floral tubes and picks be important? Let students answer – Thank you all for participating. You all had some really good answers! Let's talk about why these are so important in floriculture.

While we get started on our next section I will be passing around some adhesives, a floral corsage and some water tubes and picks. Please make sure everyone has the opportunity to look and touch all the items. Great! Let's Go!

Teaching

- Floral Design Tools- Adhesive: Are fast-drying and waterproof, bond quickly, safe and easily used. Safe for fresh flowers, will not brown fresh flowers. - Maintains bond in hot and cold temperatures. Available in sprays and tapes.
- Glue Guns -available in high and low temperature styles. Range in use sensitivity due to different temperatures
- Pan Melt Glue- Uses a small electric pan, or glue skillet to melt small pellets, chips or blocks of glue – intended for items to be dipped such as floral foam or picks. Is not affected by moisture and temperature like other glues. Can be reused over and over.
- Floral Stem Tape - one of the most important items in a florists tool box! Used to lengthen and strengthen stems: corsages – bouquets – headpieces – nosegays – boutonnieres. ACTIVATED ONLY WHEN STRETCHED.
- Anchor tape /waterproof tape• Is an all-purpose product for holding either wet or dried foam in place -repels water and sticks to a surface or object when force is applied to it
- Water Tubes - Are clear plastic tubes with tight fitting clear cap • Are ideal for boxed flowers
- Water Picks used in arrangements: stick in foam.
- Waterproof Clay/pot gum- Is both waterproof and heatproof and used for holding several elements of the arrangement such as: – candles – figurines (vase with tray displayed)

Modeling:

Demonstrate the proper use of each tool in front of the class. Demonstrate the wrong use of tools and how improper use leads to disappointing outcome and possible safety near misses.

Instructional Strategies:

PowerPoint featuring images and definitions of tools and uses: show slides 19-35; students will follow along with student notes handout and fill in missing information.

Checking for Understanding:

Point to tools located in the front of the room that we have covered and ask if I can use particular tools in a specific scenario.

Guided Practice:

Students will be given a few flowers and a piece of cardboard. They will practice using floral adhesive in the form of tube glue, hot glue, and floral tape. They will practice using glue in the correct manner and observe the use of hot glue on flowers and the damage it causes.

Independent Practice:

Students will take home floral tape and practice floral taping skewer sticks. Students will bring their sticks back to class and discuss their techniques.

Closure:

So far we have covered knives, scissors, adhesives and water picks. Next class we will cover other fun items like anchor pins, and ribbon!

Lesson Planning Guide

Instructor: Mrs. Love

Course: Floral Design

Title of Lesson: Unit 3 Safety and Tool Material ID

Date: Week 4

Lesson Duration: **1.5 hours - Wednesday**

4 lessons: Monday, Tuesday, Wednesday (Lab). Friday

Lesson 3 of 4

Objective:

The student will gain an understanding of floral design tools and how they are used in the industry. Identify different products necessary to floral design,

Materials and Supplies:

Students will need to refer to their student vocabulary handout and interactive notebooks; student notes. Designer dish, anchor tape, floral foam and a few stems of anything on hand: greenery or inexpensive flowers or filler.

Assessment:

Formative Assessment: Identification of various tools will be assessed along with correctly identifying proper use.

Written assessment on floral tools and materials.

Standards:

Industry Sector Anchor Standards - Agriculture and Natural Resources

2.0 Communication

2.4 Demonstrate elements of written and electronic communication, such as accurate spelling, grammar, and format.

4.0 Technology

4.1 Use electronic reference materials to gather information and produce products and services

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Anticipatory Set:

How did your skewers go? Tell me what was easy and what was difficult about your assignment.

Allow students to discuss with each other –

Explain to students that in time this task will become easy! It's all about muscle memory and we will have tons of practice! If you think floral taping was fun- wait until you see what I have in store for you today!

Today we are going to be covering some fun materials you get to play with! How many of you have gone to Michaels and gone through the floral aisle? How many of you have noticed the floral foam? How many of you have poked the foam? (most students laugh and raise their hands) Floral foam is just one of the many items we are going to cover today. Now just to get it out of your system, I am going to pass around several pieces of foam for you to play with. I am only passing out 4 pieces, so please be mindful that everyone needs a turn. Also note that this will be the one and only time EVER in the history of EVER that I will give you permission to destroy a perfectly amazing piece of foam! LOL! So enjoy this assignment!

Let's get started!

Teaching

- Floral Design Tools: Foam - Is used as a stem support device, while allowing flowers to drink and increases their life. Available in many styles, shapes and sizes.
- Candle Cups -designed to hold taper candles in floral foam.
- Anchor Pins -Secure floral foam firmly to the bottom of a vase can be used with pot glue, hot glue or pot gum.
- Floral Preservatives extend the life of fresh flowers by: – replenishing the food source – lowering the pH – reducing bacterial growth.
- Leaf Shine Is used to clean and shine leaves and helps prevent pests and fungus on plants- does not stop photosynthesis.
- Ribbon Comes in many different materials, colors and sizes. – common sizes include 1,3,5,9 and 40 The smaller the number, the narrower the ribbon is – the larger the number, the wider the ribbon.
- Floral Wire is used to strengthen or lengthen a stem. It is also used to make wreaths, swag hangers and bows. Is available in many different sizes including 20, 22, 24, 26 and 30 gauge (diameter)
- Storage Containers (large plastic) are typically used to display flowers in floral coolers. They also come in many shapes and sizes to be used to hold floral foam, with a water reservoir to keep foam saturated. Glass vases can also be placed in this category.

- Corsage & Boutonniere Accessories Include boutonniere and corsage pins and wristbands.

Modeling:

Demonstrate the proper use of each tool in front of the class. Demonstrate the wrong use of tools and how improper use leads to disappointing outcome and possible safety near misses.

Instructional Strategies:

PowerPoint featuring images and definitions of tools and uses: show slides 36-64; students will follow along with student notes handout and fill in missing information.

Checking for Understanding:

Point to tools located in the front of the room that we have covered and ask if I can use particular tools in a specific scenario.

Guided Practice:

Students will be given a few flowers, a piece of floral foam, and anchor tape. They will practice the correct preparation of soaking foam and learn how to install foam into a dish and secure it properly. This assignment will be modeled before assignment.

Independent Practice:

Students will demonstrate the proper techniques of preparing and securing floral foam into a designer dish. Practice inserting stems into foam at the correct angle and depth.
Students will turn in their Floral Design Tools Project.

Closure:

Congratulations! We have covered all the tools and materials in floral design!! Next class you will present your Floral Design Tools Project! Can't wait to see what you have in store for the class!

Lesson Planning Guide

Instructor: Mrs. Love

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Title of Lesson: Unit 3 Safety and Tool Material ID

Date: Week 4

Lesson Duration: 44 mins

4 lessons: Monday, Tuesday, Wednesday (Lab). Friday

Lesson 4 of 4

Objective:

Students will display their gained knowledge in floral design tools by presenting their group projects in class.

Materials and Supplies:

Students will supply all materials needed for presentations. Floral tool design crossword puzzle handout.

Assessment:

Students will be assessed on their knowledge through group presentations.

Standards:

Industry Sector Anchor Standards - Agriculture and Natural Resources

2.0 Communication

2.2 Identify barriers to accurate and appropriate communication.

2.4 Demonstrate elements of written and electronic communication, such as accurate spelling, grammar, and format.

4.0 Technology

4.1 Use electronic reference materials to gather information and produce products and services

4.3 Use information and communication technologies to synthesize, summarize, compare, and contrast information from multiple sources.

4.7 Demonstrate the use of appropriate tools and technology used in the Agriculture and Natural Resources sector.

5.0 Problem Solving and Critical Thinking

5.1 Identify and ask significant questions that clarify various points of view to solve problems.

5.4 Interpret information and draw conclusions, based on the best analysis, to make informed decisions.

6.0 Health and Safety

6.2 Interpret policies, procedures, and regulations for the workplace environment, including

6.6 Maintain a safe and healthful working environment.

9.0 Leadership and Teamwork Work

9.3 Understand the characteristics and benefits of teamwork, leadership, and citizenship in the school, community, and workplace setting.

9.10 Understand how to organize and structure work, individually and in teams, for effective performance and the attainment of goals.

9.12 Demonstrate how to interact with others in ways that demonstrate respect for individual and cultural differences and for the attitudes and feelings of others.

9.13 Participate in group or team activities, including those offered by the student organization, that develop skills in leadership, cooperation, collaboration, and effective decision making.

10.0 Technical Knowledge and Skills

10.8 Maintain and troubleshoot equipment used in the agricultural industry.

11.0 Demonstration and Application

11.1 Utilize work-based/workplace learning experiences to demonstrate and expand upon knowledge and skills gained during classroom instruction and laboratory practices specific to the Agriculture and Natural Resources sector program of study.

Career Pathway Standards: Ornamental Horticulture

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Anticipatory Set:

Is everyone ready for their presentations? Is anyone nervous? I want to remind everyone that they aren't alone- everyone will have an opportunity to stand in front of the class today. I will be here to help you if necessary! It's very important that we respect each group's time. You are all important and I can't wait to see your presentations! After each group is finished with their presentation, I have drinks and candy in the back for you. Drinks and snacks will only be provided after everyone has completed their presentations.

Teaching

Students will give a presentation in class on their tools:

How tools aid in the process.

A list of tools they believe are needed to create the design

Why the tools are important to floral design

Approximate cost of design.

Project will be due at the end of week after final assessment.
Time will be allotted in each class to work on this project- some outside classwork may be needed.

Modeling:

Students will use the Presentation Rubric as a guide.

Instructional Strategies:

Students will be the teachers and may use PowerPoint, Poster board or other means of visual aids for presentations.

Checking for Understanding:

Students will demonstrate understanding of tools by oral presentation.

Guided Practice:

Students will use presentation rubric as guided practice as well as peer presentations.

Independent Practice:

Students will be given a crossword floral tool puzzle to complete.

Closure:

Congratulations! Now that you have finished this segment, we will cover the safety elements of floral design and then we can start designing!