



CRAFT IN AMERICA

EDUCATION GUIDE

The Moulthrops: A Family of Woodturners

"...you look at the piece of wood and you can imagine something about the life of the tree." - Philip Moulthrop

Lesson Overview

In this lesson, students will study the woodturning tradition of three generations of the Moulthrop family. Students will watch *Craft In America: Family*, featuring the Moulthrops, from the DVD or online. The class will focus on how the members of Moulthrop family support each other to achieve their goals, and the decision to make art their career. Students will examine the relationship the Moulthrops have with their chosen material, wood. Students will look for evidence of the Moulthrop family's experimentation and invention. Finally, the class will experiment with creating wood finishes and create an artwork using recycled or scrap wood.



Craft In America Theme/Episode: *Family*

Grade Level: 8-12

Estimated Time: Two 45-minute class periods of research, discussion & planning, followed by four or more 45-minute studio periods.

Background Information: The Moulthrop family resides in Atlanta, Georgia. Three generations of Moulthrops—the late Edward, his son Philip, and his grandson Matthew—have pursued woodturning as a craft and a livelihood. The family members, including Philip's wife, Renée, and Matt's wife, Amanda, are supportive of one another to help the family achieve desired goals. The Moulthrops have great respect for their chosen material of wood. They recognize the life and the history of the wood that they use, and consider the wood with a deep, almost spiritual, appreciation. The Moulthrops are experimenters and continue to push the limits of their craft in inventive ways.

Key Concepts:

- ★ Art is sometimes a family practice, with skills being passed from one generation to another
- ★ Artists may develop a symbiotic relationship with their materials.
- ★ Artists experiment to achieve new things with their artwork.
- ★ Art is a potential career choice.

Critical Questions:

- ★ How do families support each other, emotionally and financially?
- ★ What kinds of careers require artistic skill?
- ★ How can a person connect emotionally to a material?
- ★ Why do artists try new techniques, tools and concepts?

Objectives:

Students will:

- ★ Become familiar with the heritage and techniques embodied in the woodturning of the Moulthrop.
- ★ Delineate ways families may support each other.
- ★ Consider art careers.
- ★ Experiment with surface treatments of wood.
- ★ Articulate an idea about family, trees, nature, or history, and express it through an artwork created from recycled wood.



Vocabulary:

- ★ Lathe
- ★ Gouge
- ★ Chisel
- ★ Grit (sandpaper textures)

Interdisciplinary Connection:

Science: studying wood and trees, experimenting and recording results

History: as an extension, students may study the history of woodturning and the Moulthrop contributions.

National Standards for Visual Arts Education:

Content Standards:

1. Understanding and applying media, techniques, and processes
4. Understanding the visual arts in relation to history and cultures

Resources:

- ✿ Craft in America: Family episode DVD. Also viewable online at video.PBS.org and on the PBS iPhone/iPad app.
- ✿ Craft in America website: www.craftinamerica.org
- ✿ The Moulthrop's website: <http://www.moulthropstudios.com/philip.html>
- ✿ References and handouts listing and describing careers in art: <http://www.temple.edu/tyler/admissions/careers.html>
- ✿ Kutztown University guides on art education careers and studio art careers: <http://cdc.dept.kutztown.edu/PDFs/mdarteducation2.pdf>
<http://cdc.dept.kutztown.edu/PDFs/mdstudioart2.pdf>

Worksheets:

- ✿ "Inventing Wood Finishes"
- ✿ "Extending the Life of a Tree"

Materials for Studio Production: Materials to be gathered include media for various experimental wood finishes. Encourage students' additional ideas for media. Also, students may help gather natural wood such as twigs, scraps of wood, and used wooden items to be recycled in projects.

- ✿ wood scraps
- ✿ craft wood pieces
- ✿ wood and tree materials from local sources: twigs, acorns, pods, etc. found on the ground around trees
- ✿ old items from discards and thrift stores: wooden bowls, boxes, stools, picture frames, toys, shelves, trays, etc.
- ✿ paper scraps for decoupage
- ✿ pastels, crayons, ink, metallic paint, markers, stain, shellac, brush-on clear finishes (matte and gloss medium), paints of various kinds, floor wax, pastels, oil, tea, coffee (stains)
- ✿ brushes, rags, sponges for application of finishes
- ✿ "recipe" cards (index cards for recording finishing experiments)
- ✿ wood burning tool, if available
- ✿ paper grocery bags (for sanding) and sandpaper
- ✿ white glue
- ✿ glue gun and hot glue
- ✿ wood glue
- ✿ hammers
- ✿ hand drill
- ✿ screwdrivers
- ✿ gouging materials such as chisels
- ✿ nails and screws
- ✿ optional: a camera to photograph experimentation and studio production for later display



Instructional Strategies

"I think he had this urge to see, could he go bigger than that?"

– Philip Moulthrop, commenting on his father Ed's woodturning

This lesson looks at the woodturning craft of the Moulthrop family. The Moulthrops supported each other emotionally and financially as Ed, Philip, and Matthew chose careers in woodturning. The Moulthrops have a great connection to and fondness for their chosen medium of wood. They all experiment to push the limits of their craft.

Investigation (one 45-minute class period)

Before viewing:

- ✿ Introduce students to the Moulthrops and describe briefly what they will see.
- ✿ Have students look for the following: References to careers, evidence of family support, examples of invention and affection for wood as a medium.
- ✿ View the Moulthrop family segment of the *Craft in America: Family* episode.



After viewing:

- ★ Ask for student reactions. What did they think of the work? It is awe-inspiring, and students may want to share comments.
- ★ Note the continued references to jobs (the gallery owner notes the careers that Ed, Philip and Matt left to become artists. Renée and Amanda discuss their husbands' switch to their artistic careers. Matt states he did not think he could make a living as an artist.) Are there societal beliefs or stereotypes that may account for this? (People may stereotype art as "not a real career," or less successful than being an architect, attorney, or working in business.) Yet the Moulthrops have made successful careers in art. In fact, Ed states that when he taught architecture, the family struggled to make ends meet. It was his artwork that brought them a more comfortable life.
- ★ Share information on art careers. Discuss which have appeal to students. Note how the Moulthrops are described as happy in their work. A discussion about earnings vs. contentment in a job can be useful in defining goals for students. What are different ways to define success in a career? (Feeling one makes a difference or contributes, being able to invent or experiment, monetary, enjoyment of the tasks, working outside or in pleasant surroundings, being with people you like, working with family, getting to travel, gaining respect, etc.)
- ★ Have students describe the ways in which the Moulthrops support each other. (Renée and Amanda recount supporting their husbands' decisions to become full-time woodworkers. Ed, and then Philip, served as teachers in the family, handing down the craft. Matt admires and respects his elders' work.)
- ★ Ask students for examples of invention displayed by the Moulthrops. (Ed created his own tools and pioneered the giant turnings. Philip created the mosaic-style bowls with epoxy, and the glaze machine based on the NASA glove-making design. Matt invented new polishing methods.)
- ★ How would students describe the feelings that Philip and Matt have for wood? (Philip says, "...you look at the piece of wood and you can imagine something about the life of the tree." When Philip picks up a piece of wood, he notes, "It has this feeling of still being alive in your hand." Matt likes, "being able to extend the life of a tree..." and mentions that his grandfather once used a tree planted by Thomas Jefferson. The Moulthrops have an almost spiritual connection to the wood they use.) Help students find connections to objects they may feel similarly about. Some students may feel affection for their own choice of art medium, or specific sports equipment, clothing items, etc.

Studio Process and Production

Inventing Wood Finishes: (one or more 45-minute class periods)

Using the worksheet, "Inventing Wood Finishes," have students experiment with various finishes on scraps of wood. Note: pieces of paper grocery bags make surprisingly good polishers/sanders for wood. Depending on the abundance of material at hand, you may want to form students into groups to work together. The activity lends itself to group work.

Students will try out their own ideas for wood treatment. They will record their "recipes" and they will note the results on the worksheet. You may want to have some students document the process by photographing the activity and the resulting examples.



Circulate while students work to be available for help, clarification and conversation. Encourage layering and multi-step processes for more variations. Encourage students to describe the feel and appearance of the finishes, beyond their first impressions. There is texture and appearance, but what might these evoke as a mood, style, feeling or symbol? Have students share their results and post their recipes for others to see and possibly use.

Extending the Life of a Tree: (four or more 45-minute class periods)

Using the worksheet, "Extending the Life of a Tree," have students consider ideas discussed that may resonate with them. They may want to explore further the ideas of family, support, trees, nature, recycling, history and legacy, career, success, invention, or art. Combining these terms may also be a jumpstart for ideas to be presented (such as family and tree, or history and recycling).



Combining the experimental wood finish, wood material, and idea/concept, students will decide how to present their concept using materials at hand. Some students may have ideas beyond the scope of the project, which can be encouraged as similar to the way the Moulthrop's push the limits of their art. Ideas change as students re-consider materials, messages, and what they want to create. Encourage students to choose a direction, and allow them to vary it if their ideas and experiments lead them elsewhere.

Demonstration:

A demonstration of tool use is advisable, as students get ready to produce their art.

Remind students of finishing options; they may want to use someone else's recipe for a finish.

Demonstrate decoupage: Brush diluted white glue (half water and half glue)

or matte or gloss medium to wood surface. Apply cut paper, smoothing it over the surface. While wet or when dry, brush another coat on top of paper. Allow surface to dry.

Demonstrate connecting methods such as gluing, working with hammer and nails, and using a drill and screws. Go over safety rules and precautions. Brainstorm aloud as students work, encouraging, offering ideas, and reminding students of options in materials, finishes and concepts.

Stop for in-process critiques. Have students show their artworks to each other. Pause and look at the work from a short distance. Have students ask each other to interpret their artworks. Is the work representing the student's intention? Does this matter to the student?



Closing Strategies

Reflection:

When work is complete, students should create an artist's statement, with artwork title, artist's name, and a short explanation of the piece on a card, tag, or typed page, to be presented with the artwork. Consider displaying photographs of the students working, a selection of the finishing experiments, and student artworks in a showcase or hallway to share with the school community.

Assessment:

By examining the worksheets and the student's artwork, and in discussions with the student throughout the project, it should be evident that the student can:

- ✿ Explain the unique aspects of the Moulthrop's work.
- ✿ Delineate ways families may support each other.
- ✿ Describe several art careers.
- ✿ Show evidence of experimentation with surface treatments of wood.
- ✿ Articulate an idea through an artwork created from recycled wood.

Additional Resources:

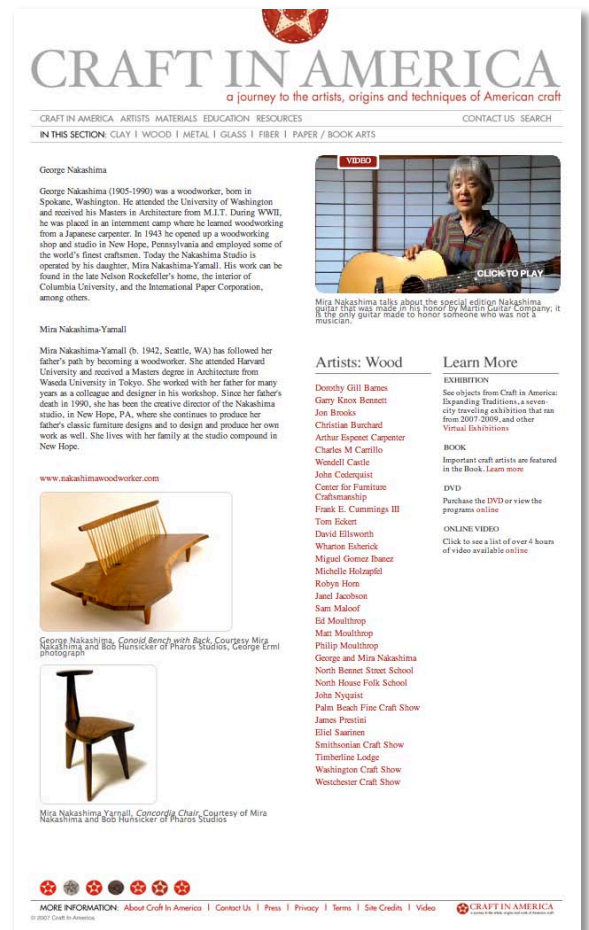
Students may examine the work of the following artists on the Craft In America website, listed under "Wood" (www.craftinamerica.org/artists_wood/):

- ✿ Michelle Holzapfel is a self-taught woodturner. She makes use of the imperfect wood scraps left behind by loggers.
- ✿ Sam Maloof was a self-taught furniture maker and a MacArthur "genius" award-winner.
- ✿ George Nakashima was a master woodworker. Mira Nakashima-Yarnall, his daughter, carries on the tradition.

Authors:

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CRAFT IN AMERICA

WORKSHEET

The Moulthrops: Extending the Life of a Tree

(for “The Moulthrops: A Family of Woodturners” Education Guide)

An Idea Worksheet – Use the back for sketching

Now that you have learned about the Moulthrop family’s work and experimented with wood finishes, it’s time to use your knowledge to create an artwork using recycled wood.

- ✪ Consider the ideas presented in the video and those that the class discussed. Where will you start?
- ✪ You could express gratitude for nature and trees. You could tell a story about family. You could create a tribute to an ancestor. You could make a statement about craft or art. You could encourage recycling by creating something beautiful from your recycled wood. There are many options for this project.
- ✪ Maybe one of the finishes will inspire an idea, such as an appreciation of the beauty and variety found in nature (a finish that highlights features of the wood) or respect for legacy (an aged looking finish). Maybe a finish that covers the wood could say something about artificial surfaces.
- ✪ Consider what you want a viewer to take away from your work. Is that important? How will you achieve that reaction? Will the artwork need a label to explain it?
- ✪ Will your piece be about the connection to wood as a natural substance? Wood as a substance that has a spiritual aspect? Will your piece make reference to a historical issue? Trees can represent history because they live such a long time.
- ✪ Sketch ideas in quick form.
- ✪ Write down words that resonate with you, words that you like.
- ✪ If you get stuck thinking of ideas, talk to your neighbors. How are they thinking? What are they planning? You may get inspiration. You may want to work with someone.

Play with some materials. Look at them, feel them, examine them, including the different finish experiments. Something is bound to inspire you. Share your ideas with classmates and with your teacher.

Name: _____





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WORKSHEET

The Moulthrop's: Inventing Wood Finishes

(for "The Moulthrop's: A Family of Woodturners" Education Guide)

"...just to try to get a different appearance...just a new way of looking at it."

- Philip Moulthrop, on his invention of the wood and epoxy mosaic method

- ✪ Try to invent six different kinds of wood finishes. Your materials include paints, tools, markers, drawing materials, clear and matte coatings, and all that your teacher and you have gathered.
- ✪ In your group, decide how you will approach experimenting. Consider texture, mark-making and color as categories for experiments. Remember that layering can add richness to your results; for example, many coats of a stain, or marker decoration, then sand, then stain.
- ✪ Choose a recorder to write down recipes on this sheet, and later transcribe to an index card to share. Name your finishes. Consider the color names of décor and automotive paints, lipstick, and food recipes for creative inspiration.
- ✪ Describe your results in terms of appearance, then in terms of style, mood, meaning and/or feeling. For example, a worn and distressed surface could evoke a feeling of history or age.

In the rectangles below, record each experiment. Note the name of the finish, the appearance, and the style, mood, meaning, and/or feeling the finish evokes.

Names: _____

