

WOODWORKING & PAINTING

Prepared By:

Jacob Ridens (1/2025)

Target Group:

Seconded Year Campers and Older

Prerequisite:

None

Time Allotted:

50 minute block

Materials Needed

Woodworking Tools
Wood to build with (Talk to Gabe)
First Aid Kit
Wood Type Examples
Painting Supplies

Instructional Goal:

At the end of the week campers will feel confident in their ability to use tools and create objects using wood and woodworking skills.

Monday

Requirements:

1. Do the Following:
 - a. Explain to your counselor the most likely hazards you may encounter while participating in woodwork activities, and what you would do to anticipate, help prevent, mitigate, and respond to these hazards. Explain what precautions you should take to safely use your tools.
 - b. Show that you know first aid for injuries that could occur while woodworking, including splinters, scratches, cuts, severe bleeding, and shock. Tell what precautions must be taken to help prevent loss of eyesight or hearing and explain why and when it is necessary to use a dust mask.
 - c. Earn the Totin' Chip recognition.
2. Do the Following:
 - a. Describe how timber is grown, harvested, and milled. Tell how Lumber is cured, seasoned, graded, and sized.
 - b. Collect and label blocks of six kinds of wood useful in woodworking. Describe the chief qualities of each. Give the best uses of each.
7. Talk with a Cabinetmaker or finish carpenter. Learn about training, apprenticeships, career opportunities, work conditions, work hours, pay rates, and union organization that woodworking experts have in your area.

Tuesday

Requirements:

3. Do the following:
 - a. Show the proper care, use, and storage of all working tools and equipment that you own or use at home or school.
 - b. Sharpen correctly the cutting edges of 2 different tools.

(Set up ideas for these projects)

4. Using a saw, plane, hammer, brace, and bit, make something useful of wood. Cut parts from lumber that you have squared and measured from working drawings.
5. Create your own Woodworking project. Begin by making working drawings, list the materials you will need to complete your project, and then build your project. Keep track of the time you spend and the cost of the materials.
6. Do Any Two of the following:
 - a. Make working drawings of a project needing beveled or rounded edges and build it.
 - c. Make working drawings of a project needing miter, dowel, or mortise and tenon joints and build it.

Wednesday

Requirements:

(Continue on working on the projects from requirements 4-6, use the projects for requirement 6 for 4 and 5)

Thursday-Friday

Requirements:

1. Explain the proper safety procedures to follow when preparing surfaces and applying coatings.
2. Do the following:
 - (a) Explain three ways that coatings can improve a surface.
 - (b) Explain the differences between oil-based paints, acrylic-based paints, and water-based paints.

- (c) Explain where you would apply enamel paint, flat paint, wood stain, and varnish, and explain the importance of sheen.
- (d) Tell why each is best for these uses.

5. Show the right way to use, clean, maintain, and store painting equipment.
 6. Explain the importance of ladder safety, personal hygiene, and the use of personal protective equipment when painting.
 7. Explain some of the environmental and health issues concerning removing paint, applying paint, and discarding old paint.
 8. Find out about career opportunities in the painting craft. Discuss the training and experience required, and explain why this profession might interest you.
3. Prepare and paint two different surfaces using patching materials or caulking and the proper primers and topcoats. Suggested projects include an interior or exterior wall, a door, a piece of furniture, a concrete wall or floor, a porch rail, or a fence. Your counselor must preapprove the projects.
 4. Prepare and paint an item using harmonizing colors that you have selected using the color wheel in this pamphlet.