

*Handicraft
First Year*

*Module 8
Power 4*

Plan, Procure, Proceed, Produce



What this module is about

Congratulations! You have finished many assigned projects in the previous modules. This time you will be planning and constructing your own project.

A project plan is the basic and organized listing of the project, its objectives, working drawing, bill of materials, tools and equipment, procedure and evaluation. This serves as your guide on how your project will be presented and evaluated.

So, you are now excited? Good! Move on and enjoy reading.



What you are expected to learn

This module enables you to:

1. discuss the importance of a project plan;
2. identify the parts of a project plan;
3. prepare a project plan; and
4. construct a project.



PRETEST

Directions: Choose the letter of the best answer. Write your answers on your paper.

- ___ 1. Refers to the goals you want to achieve, the principles, skills and values learned.
- a. objectives
 - b. design of the project
 - c. evaluation
 - d. procedure

- ___ 2. This refers to the process to be followed in completing the project.
- evaluation
 - procedure
 - name of the project
 - materials used
- ___ 3. It includes the itemized listing of the materials and supplies needed to complete the project.
- procedure
 - objective
 - bill of materials
 - name of the project
- ___ 4. This refers to the end product or result of the activity.
- procedure
 - objective
 - name of the project
 - bill of materials
- ___ 5. Which is not included in the procedure in making a bamboo tray?
- do not dry the bamboo split
 - dry it first and apply the coating
 - sandpaper it after each coating
 - apply prime coating, using clear gloss lacquer

Lesson 1

Project Plan

ALWAYS PLAN



CREATIVITY IS THE HIGHEST ACHIEVEMENT OF THE BRAINS OF MAN

Have you tried preparing a plan before working on your project? What is the outcome of your project? Before starting any project, there must be a plan. Planning saves times, effort and money. Wastage is likewise prevented if a plan is made before actually working on the project. A plan visualizes the possible steps or processes involved in the project, the materials needed and the cost of the project as well as the projected outcome. Below are the parts of a project plan.

Parts of a Project Plan and Their Definitions

1. Name of the project – This refers to the end-product or result of the activity.
2. Objectives – These are the goal you want to achieve. The principles, skills and values that should be learned in the project are all incorporated in the objectives.
3. Design of the project – This part of the project plan includes illustrations, sketches or drawings of the project to be made. Specifications in the project such as color, size, style etc. are also indicated.
4. Bill of Materials – This is an itemized listing of materials and supplies needed to complete the project. Quantity, total cost, and tools and equipment needed to complete the project are also indicated.
5. Procedure – This refers to the process to be followed in completing the project.



Self-check:

Identify what is described in each statement.

- _____ 1. This refers to the process to be followed.
- _____ 2. This includes the illustrations and sketches of the project to be made.
- _____ 3. This is an itemized list of materials.
- _____ 4. This refers to the result of the activity.
- _____ 5. This refers to the goals you want to achieve.

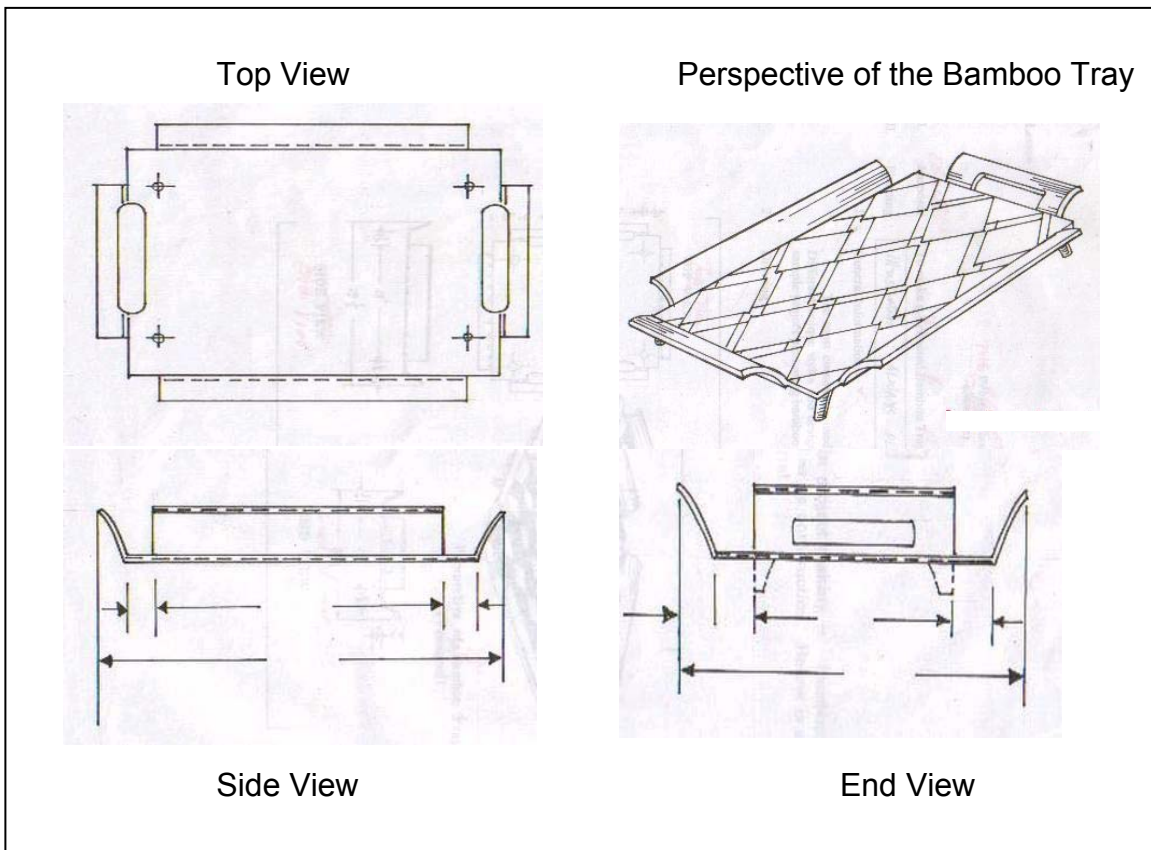
Lesson 2

Preparing a Project Plan

Now that you learned the parts of a project plan, you are now ready to decide on what project to work on. But first, here's a sample project plan. Just follow carefully the prepared plan before actually working on the project.

The most used material in project making is bamboo. Different unique styles and designs are applied in its construction. Below is a sample project plan, using bamboo as material.

- I. Name of the project: Veneered bamboo tray
- II. Objective: To make a veneered bamboo tray
- III. Design of the project



IV. Bill of Materials
 A. Bill of Materials

Quantity	Name of Materials	Description	Unit Cost	Total Cost
1 pc.	Plywood Tanguile	1/4"x10"x16"	P 850.00	P 850.00
3 pcs.	Internode, spiny	4" diam x 14"	50.00	150.00
2 pcs.	Bamboo length	2" diam x 14"	30.00	60.00
2 pcs.	Bamboo width	2" diam x 8"	25.00	50.00
12 pcs.	Brace nails	1/2 small can	5.00	60.00
1 pint	Wood glue	1 small can	30.00	30.00
4 pcs.	Narra legs	1" diam x 2"	25.00	100.00
1 bottle	Clear glass	Bear bottle	25.00	25.00
1 bottle	Lacquer thinner	Bear bottle	20.00	20.00
4 pcs.	Flint paper	No. 1, 2 1/10	30.00	30.00
			Total	P 1,375.00

B. Tools Needed

tri-square	diamond box (improvised)
coping saw	dovetail saw
plane (native)	spokeshave
claw hammer	steel square
file, bastard	pencil

V. Procedure

1. Secure the materials needed.
2. Measure and cut the plywood with the desired dimension for the base.
3. Cut and split the bamboo internodes.
4. Dry the split bamboo under the sun.
5. Make a metre box at 60 degrees angle.
6. Reduce the thickness of the bamboo split to approximately 1/8" thick.
7. Plane one side of the bamboo split.
8. Cut the desired diamond pieces accurately.
9. Test squareness by putting together the cut diamonds.
10. If well fit, continue cutting the diamond shape.
11. Identify the center of the plywood by drawing a line connecting the two opposite corners. The intersection is their considered center where you can begin to glue the diamond cuts.
12. Continue gluing the diamonds shapes until the whole surface is covered.
13. Set aside drying for at least twenty-four hours.
14. Plane the surface evenly and square the edges.
15. Layout the design and cut on the line with a coping saw.
16. Sandpaper all parts with flint paper.
17. Fit the ridings and glue them with used wood.
18. Repeat step number 13.
19. Apply prime coating with the use of clear gloss lacquer.
20. When dry, apply a coating.
21. Sandpaper it after each coating.

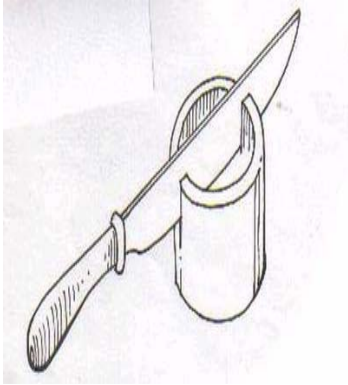
Safety Precautions

1. Don't attempt to plane the bamboo diamond veneer if it is wet.
2. Check the squareness of the diamond cut first before cutting all the necessary pieces needed for the tray.
3. Don't assemble or cut diamonds if the bamboo is still green, for it will shrink.
4. Avoid applying lacquer very thickly for the finish will crack in the long run.
5. Make pilot holes before driving the brad nails along the sidings.

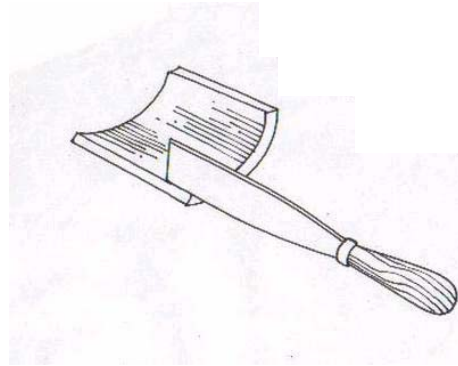
Activity 1

1. Make a project plan using bamboo as material.
2. Indicate the different parts of the project plan.

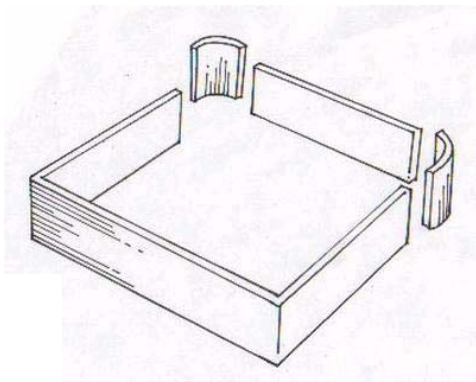
Fundamental Operation in Splitting and Planing a Bamboo



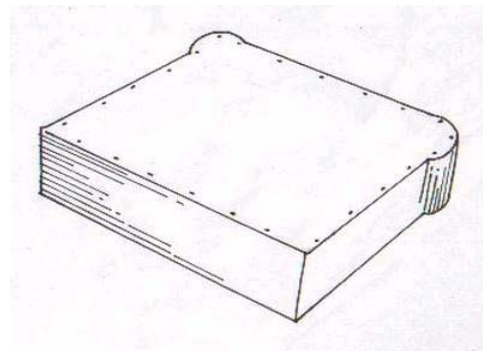
Splitting



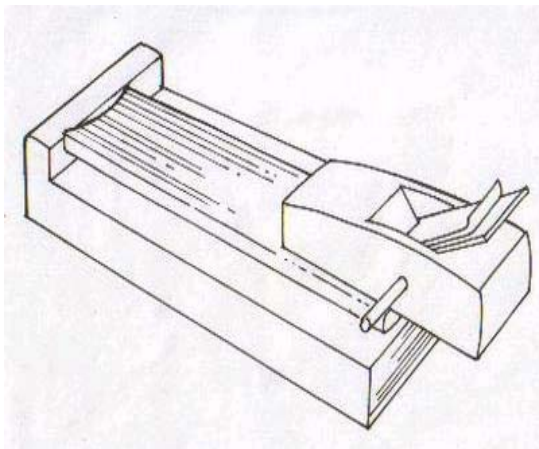
Skiving the Edge for a Joint



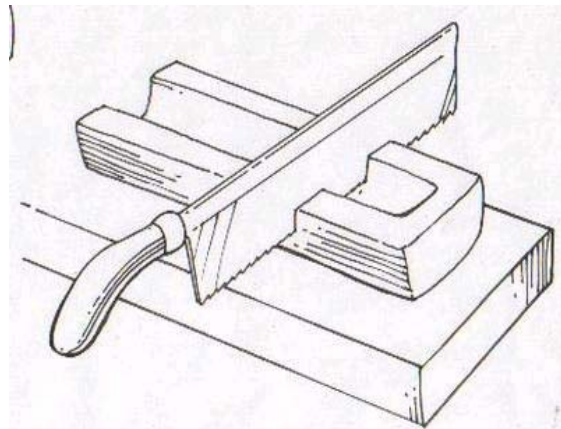
Assembling the Parts



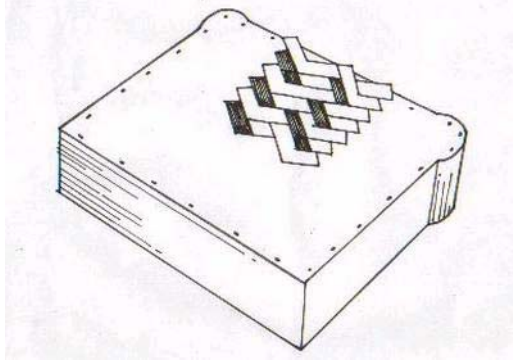
Nailed Plywood on Both Sides



Planing Bamboo Strips



Method of Cutting Squared Bamboo Strips



Laying Out and Gluing
Bamboo Strips with Weld
Wood Glue



Self-check:

Write T, if the statement is true and F, if not true.

- _____ 1. Make pilot holes before driving the brad nails along the sidings.
_____ 2. Apply lacquer thickly on the finished bamboo tray.
_____ 3. Coating is not needed in making a veneered bamboo tray.
_____ 4. Don't assemble or cut diamonds if the bamboo is still green.
_____ 5. Check the squareness of the diamond cut before cutting other pieces.



LET'S SUMMARIZE

- ◆ A project plan is the basic and organized listing of the project. It states the objectives, design of the project, bill of materials and tools and equipment needed in the project.
- ◆ A project plan saves time, money and effort.
- ◆ Design of the project includes the sketch or drawing of the project to be made.



POSTTEST

Directions: Choose the letter of the best answer. Write your answers on your answer sheet.

- ___ 1. This refers to the end-product or result of the activity.
- a. procedure
 - b. objective
 - c. name of the project
 - d. bill of materials

- ___ 2. It is the itemized listing of the materials and supplies needed to complete the project.
- procedure
 - objective
 - name of the project
 - bill of materials
- ___ 3. This refers to the process to be followed in completing the project.
- evaluation
 - procedure
 - objectives
 - name of the project
- ___ 4. Refers to the goal you want to achieve, the principles, skills and values learned.
- objectives
 - design of the project
 - evaluation
 - procedure
- ___ 5. Which is not included in the procedure of making a bamboo tray?
- do not dry the bamboo split
 - dry it first and apply the coating
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ANSWER KEY

Pretest

- a
- b
- c
- c
- a

Lesson 1: Self-check

- Procedure
- Design of the project
- Bill of Materials
- Name of the Project
- Objectives

Lesson 2: Self-check

- T
- F
- F
- T
- T

Posttest

1. c
2. d
3. b
4. a
5. a