

School:		Grade Level:	VI
Teacher:	Credits to the Writer of this DLL	Learning Area:	TLE-IA
Teaching Dates and			
Time:	MAY 8-12, 2023 (WEEK 2)	Quarter:	4 TH QUARTER

DAILI LESSON LOG	Teachir	Time: MAY 8-12, 2023	3 (WEEK 2)	Quar	rter: 4 TH QUARTER
	MONDAY	MILITOR AV	MANDA MANAGO AM	THE PARTY OF ANY	
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I. OBJECTIVES					
A. Content Standards	Demonstrates an understanding of k	knowledge and skills in enhancing,	decorating products as an alternative s	source of income	
B. Performance Standards	Performs necessary skill in enhancing/ decorating finished products				
C. Learning Competencies	 Determine market trends on products made of bamboo, wood and metal using technology. Identify customer's preference of products. Cooperate actively in group works. TLE6IA-Ob-3 	 Identify the types/sources of innovative finishing materials. Discuss the types/sources of innovative finishing materials. Cooperate actively in doing activity.		ity of products. e finishing materials and creative ity of products. novative finishing materials accessories on	
		<u>TLI</u>	E6IA-Ob-3		
II. Content	Enhancing/ decorating finished products				
III. Learning Resources A. References 1. Teacher's Guide Pages	Curriculum Guide Pages- K-12 TLE6IA-Ob-3, p. 39				

- 2. Learner's Materials Pages
- 3. Textbook Pages
- 4. Additional Materials from **Learning Resources (LR)** Portal)
- **B. Other Learning Resources**

IV. Procedures

A. Review Previous Lessons

Give the different methods in enhancing/decorating finished determine market trends of products.

Give example of activities to finished products.

What are the different sources of finishing materials, accessories and design?

be done in marketing products made of bamboo, wood and metal?

What are the market trends should What are the finishing materials to enhance finished products?

В.	Establishing	purpose	for	the	
	Lesson				

- Do you have any finished product or handicraft made of bamboo, wood or metal in your home? Where did you buy it?
- Our country has vast natural resources where useful products are derived. The different kind of finishing materials like varnish, paint, lacquer, enamel shellac and many more had their sources.
- In this lesson we are going to discuss the sources of finishing materials, accessories and designs.

Show some pictures of finished products

What finishing materials did they use to beautify it?

- 1. Showing some pictures of finishing products.
- Have them share/show the given assignment
- Finishing- is the method of beautifying the project. It is the last step in the completion of a project.

Presenting examples /instances of the new lessons

One of the steps to ensure the success of the products is marketing.

Product marketing is the set of activities one should be aware in order to know more about the products that made of bamboo, wood and metal.

Show some pictures of finishing materials, accessories and designs.

> What are the finishing pictures?

There are processes and treatments done on some materials before making them into articles. **Treating Bamboos**

- 1. Preserving and Treating Bamboos materials you can see in the There are various ways of treating bamboo to preserve its natural beauty. It is called the resin-oil extraction method. It is done by either wet or dry process. In the wet process, the bamboo is soaked overnight in a solution of 0.1% to 1.2% caustic soda or carbonate of soda or boiled in this solution for 10-15 minutes. In the dry process, bamboo poles are evenly heated over charcoal at a temperature of 49 C to
 - 54 C for 20-30 minutes. 2. Bleaching
 - Bleaching is the process of whitening or removing the colour by sunlight exposure, air ventilation or by the use of chemical solutions.
 - 3. Dyeing Bamboo Poles and Splints Dyeing is the process of applying colour into the materials. The direct dyeing or reactive dyeing method may be used. In direct dyeing, bamboo splints make sure of vegetable dye. It is done by boiling

. Show pictures of unfinished and finished products .Let the pupils describe and compare the pictures.

Have them discuss what the finishing materials they used on their finished products.

D. Discussing new concepts and practicing new skills #1.

Here are some activities to determine market trends on products made of bamboo, wood or 1. metal.

- 1. Direct Marketing – through demonstrations, trade exhibits and other public venues. This is popular activity being done by the producers to motivate consumers or Before it is used, it is mixed with buyers about the products.
- Advertising in Print Media these activities is done through advertisements in newspapers, magazines and flyers about the product.
- 3. Radio, Television and Internet Advertising – it is a modern trees buried several feet below ways of endorsing product.
- Distributing Products via Transport System – Products reached the consumers faster through the means of land, air and sea transportation spreading promotion, feedbacks even in the farthest region of the country.
- What is direct marketing?

There are sources of finishing materials like:

- Shellac it is a good finish for many projects. It comes from the excreta of insects called a luc bug. The colour is yellow and appears like small pieces of cellophane. denatured alcohol.
- Varnish it is another finishing material that beautifies and preserves a project. It is made from copal gum dissolved in pure boiled linseed oil. Copal gum comes from resin of pine the ground. Linseed oil comes from oil of cotton seed. When varnish becomes sticky and hard, add turpentine to make it thin and usable again. Varnish and turpentine are sold in cans and bottles.
- Paint it is another 3. finishing material that is always

water with dye and immersing the bamboo splints until the desired colour is achieved. They are dried under the sun. In reactive dyeing, the following materials are used: 30% of dye; salt is 30 grams per liquid and fixing agent is 30 grams per liquid. The dye is dissolved in water and is diluted to the final volume. The bamboo splints are soaked for 10 minutes then salt is added and dyeing is continued for an hour. 4. Pyrography

Pyrography is the process of burning designs of bamboo with hot wire. The electric soldering iron is considered the best tool in

pyrography.

Enumerate the fundamental processes in treating bamboos. Discuss the following processes in treating bamboos.

Why is it important to paint materials made of wood? How finishing materials helps your project/product more attractive and saleable

Why is it important to paint materials made of wood?

-discuss/review all the previous lesson you taught for the week.

Have them share their learnings on the previous lessons.

- Explain what advertising in print media is.
- Discuss the modern ways of endorsing products.
- Give an example of distributing products via transport system.
- used because of its beautiful colour and a good protector of materials. The body of paint is a mixture of four elements: pigment, vehicle, thinner, and drier. It comes in cans of different sizes. When the paint gets sticky or hard, add paint thinner. If thinner is not available, use gasoline or petroleum as a substitute.
- 4. Lacquer this is a synthetic product which is largely used in all manufactured articles. This finishing material could retain the natural colour of the material to which it is applied. Like varnish and shellac it is sold in cans and bottles. The solvent used is lacquer thinner.
- 5. Stain (Tina) stain is colouring material which is applied to the surface of a wood to improve its appearance. There are three kinds of stain: oil stain, water stain, and spirit stain. When you mix the dye (tina) with petroleum, the result is oil stain. When the dye is mixed with water, it is now water stain. When the dye is mixed with alcohol, the mixture is called spirit stain.

The dye is sold in boxes or in kilos. Spirit stain is ready mixed. It is sold in cans and bottles. All of these stains are applied by means of brush, spray, or cotton cloth.

6. Sandpaper – it is made grits, usually ground silica, flint, quartz, or emery glued to thick paper or cloth. Sandpaper for wood is called flint paper and for

metal it is called emery cloth at present we have water proof abrasive for metal. Both are used for smoothing rough surface of objects.

Glue – glue is a paste for wood materials. It is in powder or in cake form. It is manufactured from fish, animals, and plastic resin.

What are the different kinds

E. Discussing new concepts & practicing new skills #2

If you are going to buy some finished products which do you prefer? Why?

- Bamboo product?
- Wood product?
- Metal product?

of finishing materials? Let the pupils identify the sources How do you preserve and treat of the following finishing materials:

box.

bamboos? What is bleaching? Choose your answer in the What are the two methods in dyeing bamboos? What is pyrography?

What are the effects of finishing materials used in decorating wood, Determine the types/sources of metal and bamboo?

Give instruction to answer the given activity.

innovative finishing materials, accessories, and designs.

Activity No. 1

Direction: I	Draw smiling
face if the sentenc	e is correct and sad
face if it is w	rong.
1. Wh	en you mixed the
dye (tina) with Pet	roleum the result
is oil stain.	
2. Wh	ien varnish
becomes sticky and	d hard, add water
to make it usable a	igain.
3. The	e body of paint is a
mixture of four ele	ements.
4. Wh	en the dye (tina) is
mixed with alcoho	l, the mixture is
called spirit stain.	
5 Wh	en the dve (tina) is

mixed with water, the mixture is

called water stain.