

 GRADES 1 to 12 DAILY LESSON LOG	School:	Visit DepEdResources.com for More	Grade Level:	VI
	Teacher:		Learning Area:	TLE-IA
	Teaching Dates and Time:	APRIL 29 – MAY 3, 2024 (WEEK 5)	Quarter:	4 TH QUARTER

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
I. OBJECTIVES					
A. Content Standards	Demonstrates an understanding of knowledge and skills in enhancing/decorating products as an alternative source of income		Demonstrate an understanding of and skills in making electrical gadgets.		
B. Performance Standards	Performs necessary skill in enhancing/ decorating finished products		Constructs simple electrical gadgets with ease and dexterity.		
C. Learning Competencies	<u>TLE6IA 1.7.3 -0e-7</u>	<u>TLE6IA 1.7.4 -0e-7</u>	<u>TLE 6 IA 2.6.1 OF-8</u>	<u>TLE 6 IA 2.6.2 OF-8</u>	
	Discuss the proper procedure in computing the selling price. Compute income from sales. Appreciate the importance of proper computing of income from sales.	Prepare plans for mass production or creating new product. Identify the key factors and key elements in making plan for mass production or creating new products. Recognize the importance of planning in mass production or creating new products.	Identify materials and tools needed in making simple electrical gadgets. Demonstrate the proper use of tools and electrical materials. Show proper care of tools and materials use in electrical activities. Discuss the importance of using materials and tools in making simple electrical gadgets.	Identify the different electrical gadgets and their uses. Demonstrate the uses of the different electrical gadgets. (Extension cord, door bell, bulb tester, lampshade, etc.) Appreciate the uses of different electrical gadget.	
II. Content			Production/Repair of Simple Electrical Gadgets Materials and Tools in making Electrical Gadgets	Production/Repair of Simple Electrical Gadgets Materials and Tools in making Electrical Gadgets	
III. Learning Resources					
A. References					
1. Teacher’s Guide Pages					
2. Learner’s Materials Pages					

3. Textbook Pages

4. Additional Materials from Learning Resources (LR Portal)

<https://www.bdc.ca/en/articles-tools/operations/operational-efficiency/pages/production-plan-top-tips-improving-operations.aspx>

B. Other Learning Resources
IV. Procedures

A. Review Previous Lessons

Have pupils recall the meaning of:

Capital
Expenses
Gain

How do we compute the selling price for a certain project or product?

Give the steps in computing the income?

How do we compute our business income? Show sample of computation of income from sales.

What are the different tools and materials needed in making electrical gadgets? What are their uses?

B. Establishing purpose for the Lesson

Have you tried to earn money by selling a product? What is that product?

Vocabulary

Selling price - The actual final price of a product or service that company charges a purchaser to buy the item.

Ask the pupils to give examples of project that they can make or had made. Write them down on blackboard.

Do you have appliances at home? How does it function? Where is it connected? What electrical materials were used?

What kind of tools do we used in fixing those electrical materials?

What electrical gadgets are we going to use when we want to get electricity in a distance?



C. Presenting examples /instances of the new lessons

Pr oj ec t	P i e c e s	Co st of M at eri als	I a b o r	S el li n g P ri c e	Pos si bl e In co m e
Br ac el et	1 0	Ph p 60 .0 0	P h p 3 0		

Show picture about mass production

<http://www.moolf.com/interesting/photo-series-of-chinese-toy-factory-workers.html>

What can you say about the picture? Did they proceed right away in mass production? What did they do first

Prepare videos and picture from the different tools and materials. Real objects found in the industrial arts room.

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Show picture or chart of the different electrical gadgets. (Extension cord, lamp shades, door bell, bulb tester).

			.		
			0		
			0		

What is the item/listed in the chart?
 If you were to sell the item, what will be the price per piece?

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

What are the steps in computing the selling price? Discuss the proper procedure in computing the selling price.

Steps on how to get the selling price and the possible income.

Project: Beaded bracelet

Add all the cost of materials plus cost labor to get the unit cost for each bracelet.

Materials
 ----- Php 60.00
 Labor (Php 30.00/bracelet)----
 Php 30.00

 Php 90.00

Count how many beaded bracelets were made. Multiply this with total cost of materials plus labor to get your capital.

Php 90.00 x 10 bracelets = Php 900.00 (capital)

Multiply Php 90.00 x 20% for mark-up purposes.

Php 90.00
X 20% (.20)

How important is planning specially in mass production?

Here are some advantages of an effective production plan and scheduling.
 Reduced labour costs by eliminating wasted time and improving process flow.

Reduced inventory costs by decreasing the need for safety stocks and excessive work-in-process inventories.
 Optimized equipment usage and increased capacity.
 Improved on-time deliveries of products and services.

What are the key elements to address in production plan?

The production plan initially needs to address specific key elements well in advance of production in order to ensure an uninterrupted flow of work as it unfolds.

Material ordering—Materials and services that require a long lead time or are at an extended shipping distance, also known as blanket orders, should be ordered in advance of production requirements. Suppliers should send you materials periodically to ensure an uninterrupted pipeline.

Activity 1:
 Discuss the importance of using tools and materials in making simple electrical gadget.
 Activity 2:
 Identifying tools and materials needed in making simple electrical gadget.

Tools:	Materials:	
Combination pliers	Lamp	Starter
Side cutter	recycle	Ballast
pliers	connector	Battery (Dry cell, wet cell)
Long-nose pliers	enclosure	Lamp holder
Tester	outlet	Electrical
Screw drivers	metal	wires
Hammer	plugs	Junction box
Electrical knife	Fe	Utility box
	metal	Switch
	plugs	Push Button
	g	Nails
Wire stripper	Flexible	Screws

What electrical gadgets have you seen in the picture?
 What are the uses of these electrical gadgets?

Activity 1: Group Activity
 Group 1 – Give an electrical gadget and their uses at home.
 Group 2 – Give an electrical gadgets and their uses in school.
 Group 3 – Give an electrical gadget and their uses inside the room.

Php 18.00 mark-up price

Add the mark-up to your capital. The sum will be the selling price.

Php 90.00
+ 18.00

Php 108.00 selling price

Define *Business income, Revenue & Expense*

Business Income is the amount of gain earned from a sale of a service and/ or product after deducting all incidental expenses incurred by the business.

Revenue is the amount of money received (or to be received) in exchange for product and/or services provided and sold. Revenue includes gross receipts on the sale of service – or gross sale of product.

Expense is the amount of money paid (or to be paid) in exchange for product and/ or service received and purchased. Sample expenses include inventory purchases, salary and wages, transportation, advertising, electric and water bills, communication, professional fees, etc.

Equipment procurement—Procuring specialized tools and equipment to initiate the production process may require a longer lead time. Keep in mind that the equipment may have to be custom made or simply difficult to set up. This type of equipment may also require special training.

Bottlenecks (delays)—These are constraints or restrictions in the process flow and should be assessed in advance so you can plan around them or eliminate them before you begin production. When you assess possible bottlenecks, be aware that they may shift to another area of the process. Dealing with bottlenecks is a continual challenge for any business.

Human resources acquisitions and training—Key or specialized positions may demand extensive training on specialized equipment, technical processes or regulatory requirements. These employees should be interviewed thoroughly about their skills. When hiring them, allow sufficient time for training and be sure that they are competent in their work before the job begins. This will ensure that your process or service flows smoothly.

Soldering gun	pipe Plastic conduit pipe G.I. conduit pipe PVC connectors Clamp Plastic molding Fluorescent lamp Incandescent bulb	
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Identify all the products and/or services sold in a given period and then total the amount. The total represents the revenue.

Identify all the cost you pay in order to operate your business in the same given period. The total represents your total expenses.

To compute your business income, subtract your total expenses against your total revenue.

E. Discussing new concepts & practicing new skills #2

Group Activity: Compute the selling price & possible income

*****use 20% as mark-up price***

Group Activity: Making a plan

- Group I: Pen holder
- Group II: Dust pan
- Group III: Flower Vase
- Group IV: Tool Box
- Group V: Basket

Input the following questions in making your plan.

How are you going to produce the items?

How can you ensure that their products are all high quality?

Where can you get the materials needed?

What are the equipment/s needed?

How are these materials and tools used?

Uses of tools:
Combination Pliers –these are use to twist, cut, hold and pick electrical wire or tie wires.

Side cutter Pliers –use to cut electrical wires or tie wires, also use in skinning small wires.

Long Nose Pliers – use to hold, cut, twist or pick up small objects in a limited space.

Tester – an instrument used to test if there is a flow of electricity in the connection a made.

Screw Drivers – tools used in tightening and loosening screws. It has 2 kinds: flat and Philips.

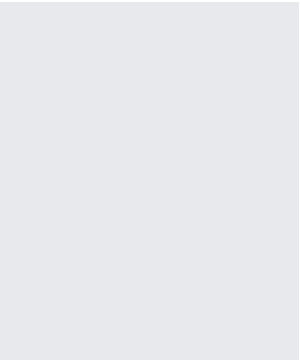
Wire strippers/splicer – use to take off a portion at the end of the wire before it is connected to

Activity 2: Group Reporting

Group 1 – electrical gadget and their uses at home.

Group 2 – an electrical gadget and their uses in school.

Group 3 – an electrical gadget and their uses inside the room.



F. Developing Mastery

(Leads to Formative Assessment 3)

Seat work: Compute the selling price & possible income

Individual Seat work:

****use 20% as mark-up price**

What are the importance in making a plan in mass production or creating a new

Project: Shoe product?

Rack

Pieces: 4

Cost of

Materials: Php 2000

Labor: Php

180

What is the selling price?

What is the possible income?

terminals of other electrical materials.

Soldering gun/iron - this is used to join two tiny metallic parts such as television and radio spare parts.

Hammer – used to fasten nail through the wood, bam

What electrical tools I am

Matching type. Match column A with

What electrical tools I am going tocolumn B.

use when I want to remove the plate of the convenience outlet or switch?

I want to make an extension cord, what electrical materials I am going to buy?

A	B
_____ 1. Extension cord	Gadget use to call the attention of the owner of the house.
_____ 2. Lamp shade	Use in testing an incandescent bulb, starter, ballast.
_____ 3. Bulb tester	Use as decoration lamp inside the room.
_____ 4. Door bell	A gadget use to access electricity in our appliances are far from the convenient outlet.

G. Finding Practical Applications of concepts and skills in daily living	Your uncle put up a bracelet business, he's just guessing the price for each item. What will be the consequence of his action? What will you do?	Your barangay is going to decorate the streets with Christmas lantern using recyclable materials. For sure they will produce large number of street lantern, how can you apply your knowledge in making a plan for producing massive amount of products?	Demonstrate the uses of the different tools and materials. How do we take good care of them?	We have school program outside, but there is no available convenience outlet. What electrical gadget are we going to use?
H. Making Generalizations & Abstractions about the lessons	In order to get the selling price of your selected project, what are you going to do? What are the steps in getting the selling price and income?	Enumerate the factors and elements to consider in planning a mass production of new products. Do you think making a plan is important why?	What are the tools and materials needed in making simple electrical gadgets? What are the importance in using tools and materials in making electrical gadgets?	What are the benefits of using different electrical gadgets?
I. Evaluating Learning	Multiple Choices. Write the letter of the correct answer. To compute the unit _____ of each finished article, add the cost of materials and cost of labor. Cost Revenue b. Earned c. Gain d. Income The sum of mark-up price and capital is the _____. Revenue Expenses b. Selling price c. Income d. Income This refers to the amount of gain earned from a sale or service/product sold. Revenue Expenses b. Selling price c. Income d. Income Refers to the amount of money received in exchanged for the product sold. Revenue Expenses b. Selling price c. Income d. Income	Multiple Choices. To maximize productivity, every company needs to have a sound production _____. Cost b. Earned c. Plan d. Revenue Here are some importance of production plan, except one. a. Reduced labour costs by eliminating wasted time and improving process flow. b. Reduced inventory costs by decreasing the need for safety stocks and excessive work-in-process inventories. c. Optimized equipment usage and increased capacity. d.Improved the air quality index Effective planning is a complex process that covers a wide variety of activities to ensure that materials, equipment and human resources are available when and where they are needed. The statement is _____. a. True b. False c. Bias d. Extreme	Choose the correct answer inside the box. Tester male plug Combination pliers screw driver Electrical wires holder An electrical tool which is used to twist or splice an electrical wire. ____ 2. An instrument used to test if the gadget is functioning or there is a flow of electricity in the connection made? ____ 3. A part of a lamp that holds the fluorescent tube. ____ 4. Tools used in tightening and loosening screws.	Identify the electrical gadgets that are commonly used at home and school. ____ 1. This is used to get electricity in a distance. ____ 2. It has two kinds, the male and female plug with two terminals ____ 3. Gadget used to give light or decoration in a room. ____ 4. It is used to call attention of an individual inside the house. ____ 5. It is used to test any of the electrical gadgets if it is functioning or not.

Refers to the amount of money paid in exchanged for product received and purchased.
Revenue
Expenses

To evaluate whether or not you are ready for production or to offer the service. You will need to determine the following, except one.

5. An electrical material which is used as a connector or path where electricity flows. It can be duplex, solid or stranded.
6 . It is used to connect to wire into the convenience outlet

- b. Selling price
c. one.
d. Income

- Resources
measurement
- b. Staff
d. machine
- c.

Forecast market expectations, inventory control, availability of equipment and human resources are the

- Revenue matters
Dynamic producer
Key factors in production plan
Expandable expanding
- c.
d.

- J. Additional activities for application or remediation
- Think of a project. List down your capital, labor needed and possible expenses. Compute your profit and report to the class.
- Enumerate the importance of making a production plan before mass production.
- List down the tools and materials used in making bulb tester.
- List down some electrical gadgets and their uses.

V. Remarks

VI. Reflection

- A. No.of learners who earned 80% in the evaluation
- B. No.of learners who requires additional acts.for remediation who scored below 80%
- C. Did the remedial lessons work? No.of learners who caught up with the lessons
- D. No.of learners who continue to require remediation
- E. Which of my teaching strategies worked well? Why did this work?
- F. What difficulties did I encounter which my

principal/supervisor can help
me solve?

G. What innovations or
localized materials did I
used/discover which I wish to
share with other teachers?