
Lab Framework

Display Case

General Problem Solving Skills

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Short Description: Unit One

Create a display in the school store's merchandising case that other students can see and decide what product they want to purchase

LAB PLAN

TEACHER: Teacher Prep/ Lesson Plan

- Lab Objective
 1. Four steps that can be used to solve most problems
 - Understand the problem
 - Develop a plan
 - Carry out the plan
 - Check the results
 2. Create an eye appealing display

- 1. Statement of pre-requisite skills needed (i.e., vocabulary, measurement techniques, formulas, etc.)
- Use of imagination and/or creativity
- Advertising techniques
- Ability to learn how to merchandise products
- Enter numbers, fractions, and decimals into a calculator and read the output displayed by a calculator

- 2. New Vocabulary
 - Display
 - Product
 - Merchandising
 - Cost
 - Profit

- 3. Materials List
 - Poster board
 - Art supplies
 - Calculators

- Products
- Display case

- GLE's addressed

2.2.1 Analyze strategies, concepts, and procedures to devise a plan to solve the problem

2.2.2 Apply mathematical tools to solve the problem

- Set-up information

Display case dimensions 2 feet wide by 3 feet long by 1 foot deep

Information about the product

- Lab organization(-Grouping/leadership opportunities/cooperative learning expectations; -**Timeline required**)

Groups of 4 students

Choose a team member to facilitate the learning

Choose a different team member to be the treasure

Choose two team members to present the idea and results to the class

Display must be ready in 3 days and ran for a period of one week

- Teacher Assessment of student learning(scoring guide, rubric)

Successful completion of display case

Plan of action worksheet describing the 4 steps to solve the problem

Record sheets documenting sells

Presentation

Liquidation of all products with a 20% profit

- Career Applications

1. General

2. Agriculture

3. Business and Marketing

4. Health Occupations

5. Home Economics

6. Industrial Technology

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LAB TITLE: Display Case

STUDENT INSTRUCTIONS:

- Statement of problem addressed by lab

We have 10 cases of 24 Snicker king size candy bars that expire in 1 week. Each case cost \$12. The regular price the school store sells the product at \$1.00. Your goal is to follow the four problem solving steps to sell all the cases and make a 20% profit.

- Grouping instructions - roles

Leader~ facilitates idea/learning

Treasurer~ records daily sales and product accountability

2 Presenters~ merchandise display (keeps the display clean and stocked)

- Procedures - steps to follow/instructions

1. Create a plan of action using the four steps to solving a problem. Present idea to instructor.
2. Create a display case
3. Sell and keep records of daily inventory
4. Merchandise product
5. Present findings to class

- Outcome instructions

Successful display and liquidation of product with a 20% profit

Lab Data Collection

Student: _____ Date: _____

Unit: _____

Lab Title: _____

Criteria: Write the problem/objective in statement form

Data Collection: Record the collected/given data

Calculations: Complete the given calculations to solve for an answer(s)

Summary Statement:

Other Assessment(s)

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