

- Leadership Skills Group collaboration, communication skills, and defined roles
- SCAN Skills/Workplace Skills
- Set-up information
 - Price list, blue print, paper, pencils, paper, calculator, ready for distribution
- Lab organization(-Grouping/leadership opportunities/cooperative learning expectations; -Timeline required)
 - Assign group leader, task manager. Work with a partner
- Teacher Assessment of student learning (scoring guide, rubric) Visual observation Collection worksheet
- **Summary of learning** (to be finished after student completes lab) -discuss real world application of learning from lab -opportunity for students to share/present learning
 - -apply information learned to their lives
- Optional activities
 - Apply lesson to larger areas or other home improvement projects

• Career Applications

Gathering and interpreting information Presenting information in a user friendly format Work within a team

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LAB TITLE: <u>Comparing breakfast cereals</u> STUDENT INSTRUCTIONS:

• Statement of problem addressed by lab

Wife wants to tile our kitchen island. I want to find the cheapest and most efficient way (save time). Find the area of the kitchen island top. Find which tile to buy that will save me the most money and save me the most amount of time.

- 1. What is the area of the kitchen island surface?
- 2. How many tiles will I need of tile 1?
- 3. How many tiles will I need of tile 2?
- 4. Which tile should I use to save me the most money?

• Grouping instructions and roles

Form groups of two

One leader gathers materials

- One timekeeper keeps group on task
- Both create equations and determine which tile to use, check each others work
- **Procedures** steps to follow/instructions
- a. Gather all materials
- b. Find the blue print for the island top
- c. Record dimensions for the surface of the kitchen island
- d. Use the dimensions to formulate an equation to determine the area.
- e. Calculate how many tiles (of each type) it will take to cover the top of the kitchen island
- f. Determine which tile to purchase that will save me the most money and time

• Outcome instructions

You should have a worksheet with your equations and calculations for the area and how much tile you should have. You should have calculations for the two different sizes of tile. Your worksheet should also express which tile I should purchase to save me the most money and time.

• Assessment instructions (peer-teacher)

Turn in individual worksheets with equations, and your answers to the 4 questions form the problem section.

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Lab Data Collection

Student:	Date:
Unit:	
Lab Title: Criteria: Write the problem/objective in statement form	
Data Collection: Record the collected/given data, and form equations.	
Calculations: Answer 4 questions from "statem	ent of problem section".
Summary Statement:	
Other Assessment(s) answer the following question: How would you apply this lesson/lab to your life?	

