Lab Framework

Text: CORD

Unit number and title: Unit Measuring In English & Metric Units

Short Description: Calculate board feet and cost analysis

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Lab Title
Money Got You Board?

LAB PLAN

TEACHER: Teacher Prep/ Lesson Plan

- **Lab Objective**
  Teach students the basics of calculating board feet and cost analysis
- **Statement of pre-requisite skills needed** (i.e., vocabulary, measurement techniques, formulas, etc.)
  Knowledge of measurement
  Addition
  Multiplication
  Calculator
- **Vocabulary**
  Board Foot
  Volume
  MBF
- **Materials List**
  Calculators
  Cost calculation worksheet
  1 foot ruler or tape measure
  Wood in random lengths and widths
- **GLEs (State Standards) addressed**
  Math: 1.1.1, 1.2, 1.1.3
  Reading: 1.2.2, 1.3.2
  Writing: 1.1.1, 1.2.1
- **Leadership Skills**
  Peer tutoring, advanced students checking with beginners.
- **Set-up information**
  Students will need: Pencil, Calculator,
  Cost work sheet, measuring tools.
- **Teacher Assessment of student learning** (scoring guide, rubric)
  Cost sheets will be graded and assessed for understanding. If students are Struggling with this unit , we will redo lab.

- **Summary of learning** (to be finished after student completes lab)
  We will discuss the steps necessary to get the board footage of a project so you can create a cost analysis (how much the project will cost to make)

- **Optional activities**
  Students all make the same project using the information attained from this lab. (i.e. birdhouse, wood box, etc.)

LAB TITLE: Money Got You Board?
STUDENT INSTRUCTIONS:

- **Statement of problem addressed by lab**
  Calculating board feet

- **Grouping instructions and roles**
  Groups of 4-6 at 5 work stations.
  Classroom T.A.s will help with instructions and lab work.

- **Procedures** – steps to follow/instructions
  Group set-up, hand out work sheets and re-explain, measuring tools, measure, calculate board feet and do a cost analysis.

- **Outcome instructions**
  Must be able to correctly calculate board feet of wood.

- **Assessment instructions** (peer-teacher)
  Calculation worksheet must be 100% correct or they must do assignment again.

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)