

Lab Framework

Text: CORD workbook

Unit number and title: Unit 2 Estimating Answers

Short Description: Planning a BBQ for 30 people

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LAB TITLE - END OF THE YEAR BBQ

LAB PLAN

Lab Objective - To estimate the amount of supplies needed and the cost in order to plan a BBQ for 30 people. We will make a shopping list.

Statement of pre-requisite skills needed

- Reading, measuring, communication skills
- Estimate, approximate, round-off, condiments
- Calculator
- Pencil
- Paper

Workplace Skills

- Problem solving skills
- Team work
- Analyze various approaches to problem
- Cost comparisons

Set-up information

- Students will work in groups to determine how much of each of the following needs to be purchased:

- Use the grocery store flyers that will be provided to you

Lab organization

- Students will work in groups of 3
- Lab will be completed in 2 days

Teacher Assessment of student learning

- Ingredient lists will be collected and checked for accuracy
- Groups will share data

Summary of learning

- discuss real world application of learning from lab
- opportunity for students to share/present learning

Career Applications

- chef, homemaker, any type of buyer, manager,

GLEs (State Standards) addressed

MATH:

COMPONENT 2.1: Define problems.

2.1.1 Formulate questions to be answered to solve a problem.

2.1.2 Determine what information is missing or extraneous.

COMPONENT 2.2: Construct solutions.

2.2.1 Select and use relevant information to construct solutions

2.2.2 Apply mathematical concepts and procedures from number sense, measurement, geometric sense, probability and statistics, and/or algebraic sense to construct solutions.

COMPONENT 3.1: Analyze information.

3.1.1 Analyze, compare, and integrate mathematical information from multiple sources.

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LAB TITLE: Paper Tower Contest

STUDENT INSTRUCTIONS:

Statement of problem addressed by lab

- You will create a list of ingredients and a cost breakdown for a BBQ for 30 people

Grouping instructions and roles

- Students will work in groups of three

Procedures

- Each group will determine how much of each ingredient you will need to buy and the cost involved
- Check out the prices for all the ingredients
- Calculate amounts needed using calculators

Assessment instructions (peer-teacher)

- Groups will critique each other

Lab Data Collection

Student:

Date:

Unit:

Lab Title:

Criteria: Write the problem/objective in statement form

Data Collection: Record the collected/given data

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

Washington

Summary Statement:

Other Assessment(s)

Applied

Math

Council

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