

Lab Framework

Text:CORD Classic

Unit number and title:17 Graphing Data

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Lab Title

Graphing your name.

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Short Description: Graphing a name using Absolute and relative points to create equations. Your letter strokes are an equation.

LAB PLAN

TEACHER: Teacher Prep/ Lesson Plan

- **Lab Objective**

- Graph data as points on a coordinate system.

- Graph an equation.

- Find the slope of a graphed line.

- Find the intercepts of a graphed line.

- **Statement of pre-requisite skills needed** (i.e., vocabulary, measurement techniques, formulas, etc.)

- Write formulas from word expressions and rearrange the formula.

- Substitute values into the formula and solve for the variable.

- Simplify and solve an equation.

- Translate a problem into an equation.

- Vocabulary to know: Variable, Constant, Coefficient

- **New Vocabulary**

- Cartesian coordinate system

- Absolute coordinates

- Relative coordinates

- Quadrant

- Point of Origin

- Ordered pair

- Indirect relationship

- Dependent Variable

- **Materials List**

- Graph paper, Ruler, Compass

- **GLEs addressed**

- Math: (Math)

- Reading: (Reading)

- Writing: (Writing)

- **Leadership Skills**

- **SCAN Skills**

- **Set-up information**

- **Lab organization**(-Grouping/leadership opportunities/cooperative learning expectations; -**Timeline required**)
- **Teacher Assessment of student learning** (scoring guide, rubric)
- **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
- **Optional activities**
- **Career Applications**

LAB TITLE: _____

STUDENT INSTRUCTIONS:

- **Statement of problem addressed by lab**
- **Grouping instructions and roles**
- **Procedures – steps to follow/instructions**
- **Outcome instructions**
- **Assessment instructions (peer-teacher)**

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)