Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_ Team Number: \_\_\_\_\_\_\_\_\_\_

Teammates: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Unit #3 PBL “Cell Phone Grant” Project Sheet

“Can you hear me now?”



Driving Question: What would be the best use of funds for a schoolwide student cell phone plan?

Final Product: You are a representative for the student body and it is your job to create the grant proposal to School Fuel for a cell phone for each student. School Fuel asks you to compare two plans through cost per month equations, graphs of the annual costs, and tables of the twelfth month data. Within the grant proposal to School Fuel, you will describe the twelve-month cell phone plans in detail and why your recommendation is the best choice for San Marin.

Due Dates:

|  |  |
| --- | --- |
| Task | Due Date |
| Research and find a phone, Research and find a carrier plan, Research and find phone case | Friday 11/04 |
| Write a cost per month equation | Monday 11/07 |
| Graph the equation for one year, Create a table of data for one year | Block Day 11/8 or 11/9 |
| Present info to the whole team, Vote on the best plan, Write equations as a system | Monday 11/14 |
| Graph the system (both graphs) | Block Day 11/15 or 11/16 |
| Create a Feature Comparison Table, Create a Price Comparison Table | Thursday 11/17 |
| Solve the system using the substitution and elimination method, Create a draft Proposal Report | Block Day 11/29 or 11/30 |
| Prepare for presentation | Thursday 12/01 |
| Final Proposal – Typewritten Report and Presentation | Friday 12/02 |

Requirements for Report:

**Page 1: Coversheet**

□ Plan option proposal with team name

**Page 2: Proposal**

□ Typewritten report

□ Comparison of the two plans supported by the data of the graph, charts, and equations

□ Advantages and disadvantages of each plan

□ Explain the meaning of the point of intersection of the graph

□ Clearly stated and supported answer to the driving question

**Page 3: Graph**

□ Labeled axes

□ Proper scale

□ Clearly labeled point of intersection

□ Clearly labeled lines

□ Identify and explain the meaning of the point of intersection

**Page 4: Comparison Tables**

□ Feature Comparison Table detailing the differences in options in the two phones and the two plans

□ Price Comparison Table detailing in the monthly price difference in the two plans

□ Identify and explain the meaning of the common data points

**Page 5: Equations and supporting computations**

□ Cost per month equations for the two cell phone plans

□ Work for solving the system of equations using the Substitution Method

□ Work for solving the system of equations using the Elimination Method

□ Solution written as a point

□ Identify and explain the meaning of the solution to the system

Handouts:

* Project Management Log: Team Tasks
* Teacher Preference App Interview
* School Phone Grant
* Cell Phone and Plan Research Handout
* Rubric for Collaboration
* Rubric for Presentation