ARIZONA JOB TRAINING SCHOOL
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9/2/2015

Independent Mathematical Contractors
Yavapai College
1100 E. Sheldon St.
Prescott, AZ 86301

Dear IMC

I am the director of education at a small school in central Phoenix that contracts with local governments to help prepare potential job candidates for employment. We offer a wide range of classes on interviewing, appropriate attire, resume writing, and punctuality.

We recently began offering a component in our classes on evaluating job offers. One part of evaluating a job is choosing the best salary. My school would like your team to evaluate several potential salaries with the intent of creating an infographic that explains how to make the decision on job offers.

Here are several salaries that you and your team will look at:

- Starting salary of $28,000 + 50*L with annual increases of $1000 per year.
- Starting salary of $27,000 + 50*L with annual increases of $1200 per year.
- Starting salary of $26,500 + 50*L with annual increases of $1300 per year.
- Starting salary of 25,500 + 50*L with annual increases of 2% per year.
- Starting salary of 25,000 + 50*L with annual increases of 2.5% per year.
- Starting salary of 24,000 + 50*L with annual increases of 3.4% per year.

In each of these salaries, L represents the total number of letters in the first and last name of the team member analyzing the particular salary. For instance, if the team member analyzing the first salary had a total of three letters in their name they would uses a starting salary of $28,000 + 50(3) or $28,150. This will ensure that each member of your team evaluates a different salary option throughout the project.

You will complete this project through three technology assignments.

> **Technology Assignment 1 (Constant Annual Increases)** - In this assignment, you and your team members will analyze the three offers where the salary is increased by a constant amount each year. The goal is to create graphs in Google Sheets that represent all three increases as well as several starting salaries.
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> **Technology Assignment 2 (Percent Annual Increases)** - In this assignment, you and your team members will analyze the three offers where the salary is increased by a percentage each year. The goal is to create graphs in Google Sheets that represent all three percentage increases as well as several starting salaries.

Technology Assignment 3 (Create Infographic) – In this assignment, your team will pick one of the offers with a fixed annual increase and one of the offers with a percent annual increase. These salaries will be placed on a single graph and pasted into a Google Drawing. Then you will add appropriate text and illustrations to help readers understand the process for choosing a salary option.

At a minimum, the infographic you produce should include

- A graph of two salaries (one with a fixed dollar increase per year and the other with a percent increase per year).
- Your graph should include a title, legend, and axes labels appropriate for the problem.
- Your infographic should include information to help the viewer decide which of the two salary offers is better and why it is better.

Clarity is valued above artistic merit. Focus on explaining the process of choosing the better salary. Please consult your instructor's website for information on the due dates for these assignments and the infographic. If any part of this project is unclear and your team needs clarification, please consult your instructor well in advance of the due date.

Sincerely yours,

Visalia Portnoy
Arizona Job Training School