**Culturally Responsive Teaching**

*Math Example*

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| **Teacher** | Conscientious Algebra Teacher |
| **Grade/Content** | 9-12 |
| **Objective(s)** | * SWBAT calculate and interpret rates and percents * SWBAT use graphing to show the relationships between variables * SWBAT use scatterplots and to identify correlation among variables * SWBAT make interpretations and extrapolations based on data * SWBAT calculate and explain the significance of margin of error |
| **Assessment** | *Culminating Project:*   1. Pick a topic of interest 2. Come up with a Big Question 3. Write (and then revise, revise, revise) your survey 4. Conduct your survey 5. Analyze the results of the survey 6. Create a written report of your results. This write-up must contain:  * **Introduction** * **Math Explanation/Methodology** * **Results (Frequency Tables, Graphs, Key Findings)** * **Recommendations** * **Conclusion** * **BONUS: A map (like the ones we made during the Community Mapping Project)** |
| **Lesson/Unit Details** | When we create grassroots research through surveys, oral histories and other projects, we challenge the belief that there is only one side to every story. Creating surveys can be an excellent tool to document what is happening in our communities, help us understand ourselves better, and let others get to know life is like for our people. When we document our experiences, we honor our day-to-day reality as knowledge, while creating a powerful and strategic tool to help bring justice to our communities. Part of oppression is keeping information and knowledge in the hands of the powerful. When we reclaim research, we walk one step closer to achieving liberation.  This semester, you will be writing your Graduation Math Portfolio. The project is to write, distribute, and analyze a survey related to the topic of displacement. In order to complete this project, you will each need to survey at least 75 people (if working in a team) or 150 people if you’re working alone. |