Lesson Plans on Sierra Leone's Blood Diamond Path

Oklahoma Math Standards

C3 – Priority Academic Student Skills; Math 2.2a Number Operations: Solve problems using ratios and proportions

Common Core
RP.2-7 Analyze proportional relationships and use them to solve real-world and mathematical problems. Recognize and represent proportional relationships between quantities, proportions.

Globalized Standards
Students investigate the world beyond their immediate environment.
- Select or construct appropriate mathematical or statistical models or approaches to address globally significant researchable questions.
- Interpret and apply the results of mathematical or statistical analyses to develop and defend an argument about a globally significant issue.

Students will use mathematics to calculate and describe: the relationships between conflict diamonds and the world diamond supply; the ratio of miner's income versus the retail value of the diamonds they mine; the value of diamonds base on their attributes, based on data.

Use a data tables to calculate percent and percent of change. Identify the continent and country with the highest and lowest diamond production over time.   Identify the nations that are the top three consumers of diamonds, by calculating the proportion of the world's diamonds that they consume. Identify the world largest importers of diamonds from Sierre Leone, Botswana, and Russia. Create graphical displays to represent your findings. Use percent to quantify the portion of diamonds produced by each of the diamond producing countries in the world.

What conclusions can you draw from the data?

What is the percent of change in current conflict diamonds traded versus 2006?

How has the diamond trade helped to change Botswana?

How can you use this data to help you make decisions?

Compare the total value of diamonds in carat weight to a miner's average income. What do you think about these figures?

 What proportion of the diamonds sale value is paid to the miner?

Is this a fair wage? On what basis are you judging the value of the miners wage?