Lesson Plans on Sierra Leone's Blood Diamond Path – This unit is an interdisciplinary unit in Mathematics, Geography and Science.

Day 2: Students will gather data and create bar graphs to compare and contrast population, GDP per capita population growth, life expectancy, and population living below the poverty line of Sierra Leone, the United States, and China. After examining the data and their visual displays, students will use their information to draw conclusions about the three countries in group and class discussions.   Each group will be assigned to one of the topics in the table and do more in-depth research on the topic for each country, creating and presenting their findings using a Web 2.0 tool.

Essential Questions: How is GDP related to population and population growth?

What are the key links to people living below the poverty line and GDP?

How is life expectancy related to the developing stage of a country?

What is the relationship between life expectancy and population growth?

Standard

Geography
Content Standard 4: The student will analyze the world's peoples and cultures in the context of the human systems in the Eastern Hemisphere.

Item 3: Integrate visual information to analyze data used by geographers to measure the human characteristics used to define developed versus developing countries including literacy rates, life expectancy, infant mortality rate, Gross National Product (GNP), and per capita income.

Item 6: Integrate visual information to explain patterns of global economic interdependence and world trade focusing on the concepts of imports and exports, supply and demand, Gross Domestic Product (GDP), and balance of trade including

Content Standard 5: The student will analyze the interactions of humans and their environment in the Eastern Hemisphere.

Item 1: Cite specific textual and visual evidence to describe the relationship between the distribution of major renewable and nonrenewable resources and evaluate how the three levels of economic activities (primary, secondary, and tertiary) contribute to the development of a country or region.

Mathematics

Standard 5: Data Analysis - The student will use data analysis, probability, and statistics to interpret data in a variety of contexts.

Item 1 Data Analysis: Compare, translate, and interpret between displays of data (e.g., multiple sets of data on the same graph, data from subsets of the same population, combinations of diagrams, tables, charts, and graphs).

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Globalizing Standards

Social Studies: Global Competency – Investigate the World

Students will investigate the world beyond their immediate environment and identify issues and frame researchable questions of local, regional, or global significance that call for or emerge from investigations in the social sciences.

Mathematics: Global Competency – Investigate the World

Select or construct appropriate mathematical or statistical models or approaches to address globally significant researchable questions.