Instructional Lesson Plan

Content Area(s)/Course/Grade:	Unit:
Math Grade 8	Analyze and Solve Linear Equations

Lesson Topic:	Approx. Date/s:
Linear Equations	November

Diversity Integration Topic:	NJSL Standard/s:
Global Importance and Population Growth	8.EE.B.5 Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. 8.EE.B.6 Use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation y = mx for a line through the origin and the equation y = mx + b for a line intercepting the vertical axis at b

Textbook, Materials, Resources:

Chromebook for research

Lesson Objective:

Students will be able to use equations to figure out the factors that affect population growth.

Instructional Delivery

Culturally Responsive Teaching strategy:

Making Learning contextual: Connecting to real world situations

Procedures:

Students will explore the science of demography. They will explore how birth rate, death rate, emigration, and immigration affect population growth with a country of their heritage. Students will analyze how changes in these indicators affect resource sustainability and how resource availability affects population growth.

Assessment/Evaluation
Formative/Summative: Students' turned in research
Closure: Students will share with class what they learned about their country

Teacher's Name submitting plan: Math Department
Date submitted: 12/12/2022