ELL Adaptation For
A Country’s Shape Is More than Its Borders: Population Pyramids

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Grade Level: 6-8  
Duration: 1-2 class periods

ELL Adaptation by: Dennis Rees

SIOP Elements

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TESOL Standard(s)

ESL: English For Content
Through The Use Of ESL Methodologies, The Student Will:
EFC-A. Create, read and interpret visual information relating to science, social studies and math.
A2. Construct and interpret graphs.
EFC-C. Compose in a variety of forms.
C1. Use Math, Social Studies, and Science target vocabulary.
EFC-E. Comprehend reading materials.
E1. Read a variety of Math, Science, and Social Studies materials.
E3. Use new English vocabulary.
E5. Demonstrate basic reading skills.
E6. Scan material for relevant information.

Arizona ELP Standards

ELL Stage IV
Basic
Reading
Standard 4:
The student will demonstrate knowledge of reading comprehension by:
Overview

Demographics are the study of population characteristics. Population pyramids examine the age and gender characteristics of a country’s population. Understanding how to read and interpret a population pyramid will give students the opportunity to examine a country’s past, present, and implications for the future through its population.

Key Vocabulary

Population - the number of people living in an area
Scale - numbers that tell how many
Gender - man or woman
Rapid – fast
Horizontal - a straight line going from left to right
Demographics - how many men and women are in each age group
Elderly – old
Pension – money
Economics - how you make money
Natural disaster - storms, floods
Mortality - how old you are when you die

Additional Materials Needed for ELL

• ELL 1: Highlighted copy of A Country’s Shape is More Than Its Borders reading
• ELL 3: Markers and transparency copies of A Country’s Shape is More Than Its Borders reading
• 9x12 inch white construction paper

Procedures

Session One
1. Introduce key vocabulary by writing words on board with their definitions. Discuss and give examples. (Preparation: Strategies Used) Have students divide their 9x12 white construction paper into 6 sections on each side; copy the words and definitions onto the paper with one word and definition per square leaving room for an illustration. In pairs, have students illustrate each word. (Grouping: Partners; Application: Hands on) Share orally. (Integrated Processes: Speaking)

2. As a class, read aloud A Country’s Shape is More Than Its Borders. (Grouping Option: Whole; Integrating Process: Reading; Preparation: Adapting Content) While reading, instruct students to highlight information they feel is important based on the title of each section. ELL 1 students will follow along on the pre-highlighted copy you provided them and ELL 3 students will use the transparency copy to highlight on. (Preparation: Strategies Used) After each section, have students share what they highlighted and record on a transparency copy so all students can see. ELL 3 students will copy this onto a paper copy. (Preparation: Strategies Used) Continue until the entire reading is done. When you read about the three types of pyramids, demonstrate the shape each pyramid using a vertical rectangle for slow growth, a triangle for rapid growth, and a diamond shape for negative growth. Have students copy this onto their copy of the reading as a visual reminder of
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what each type of population pyramid looks like.
(Preparation: Strategies Used)

3. Practice identifying the types of pyramids by showing students either transparencies of different kinds of population pyramids or having them go to the Census Bureau website. (Preparation: Strategies Used)

Session Two
1. Review key vocabulary and examples of the types of population pyramids.

2. As a class, fill out the Practice Sheet of A Country’s Shape is More Than Its Borders reading. (Application: Linked to objectives; Scaffolding: Guided Practice)

3. Have students work individually to complete the Population Pyramid Assessment for either countries of the world or states in the United States, which includes a multiple-choice quiz, and a prompt for writing a paragraph. (Assessment: Individual; Integrating Process: Writing) The ELL students may refer to the reading and their key vocabulary chart to complete these assessments.

Assessment

Mastery will be considered 80% or higher on the Population Pyramid Assessment.

Student paragraph will be graded with the same scoring criteria as given on the Scoring Sheet; however, individual students’ competency in English writing skills should be considered.