

A Correlation of

Population Connection Materials

To

Florida's Sunshine State Standards

Organized by:

1. Subject

a. Grade

i. Standard; Strand; description in the order as they appear
on accompanying spreadsheet

Secondary Grades

1. Language Arts

a. Grade: 6

- i. LA.6.1.6.2: Reading/Language Arts: The student will listen to, read, and discuss familiar and conceptually challenging text.
- ii. LA.6.1.7.2: Reading Process: The student will analyze the authors purpose (e.g., to persuade, inform, entertain, or explain) and perspective in a variety of texts and understand how they affect meaning.
- iii. LA.6.1.7.4: Reading Process: The student will identify cause-and-effect relationships in text.
- iv. LA.6.2.2.4: Literary Analysis: The student will identify the characteristics of a variety of types of nonfiction text (e.g., reference works, newspapers, biographies, procedures, instructions, and practical/functional texts).
- v. LA.6.6.1.1: Information and Media Literacy: The student will explain how text features (e.g., charts, maps, diagrams, sub-headings, captions, illustrations, graphs) aid the reader's understanding.

b. Grade: 7

- i. LA.7.5.2.1: Communication: The student will use effective listening strategies for informal and formal discussions, connecting to and building on the ideas of a previous speaker and respecting the viewpoints of others when identifying bias or faulty logic.

c. Grade: 8

- i. LA.8.5.2.2: Communication: The student will use effective listening and speaking strategies for informal and formal discussions, connecting to and building on the ideas of a previous speaker and respecting the viewpoints of others when identifying bias or faulty logic.

d. Grade: 9/10

- i. LA.910.1.6.2: Reading/Language Arts: The student will listen to, read, and discuss familiar and conceptually challenging text.

e. Grade 11/12

- i. LA.1112.1.6.2: Reading/Language Arts: The student will listen to, read, and discuss familiar and conceptually challenging text.

2. Math

a. Grade: 6

- i. MA.6.A.1.3: Big Idea 1: Solve real-world problems involving multiplication and division of fractions and decimals.
- ii. MA.6.A.2.2: Big Idea 2: Interpret and compare ratios and rates.

- iii. MA.6.A.3.1: Big Ideas 3: Write and evaluate mathematical expressions that correspond to given situations.
 - iv. MA.6.A.3.4: Big Idea 3: Solve problems given a formula.
 - v. MA.6.A.3.6: Big Idea 3: Construct and analyze tables, graphs, and equations to describe linear functions and other simple relations using both common language and algebraic notation.
 - vi. MA.6.S.6.1: Data Analysis: Determine the measures of central tendency (mean, median, mode) and variability (range) for a given set of data.
- b. **Grade: 7**
- i. MA.7.A.3.2: Big Idea 3: Add, subtract, multiply, and divide integers, fractions, and terminating decimals, and perform exponential operations with rational bases and whole number exponents including solving problems in everyday contexts.
 - ii. MA.7.S.6.2: Data Analysis: Construct and analyze histograms, stem-and-leaf plots, and circle graphs.
- c. **Grade: 8**
- i. MA.8.A.1.3: Big Idea 1: Use tables, graphs, and models to represent, analyze, and solve real-world problems related to systems of linear equations.
 - ii. MA.8.A.1.6: Big Idea 1: Compare the graphs of linear and non-linear functions for real-world situations.
 - iii. MA.8.S.3.1: Big Idea 3: Select, organize and construct appropriate data displays, including box and whisker plots, scatter plots, and lines of best fit to convey information and make conjectures about possible relationships.
 - iv. MA.8.S.3.2: Big Idea 3: Determine and describe how changes in data values impact measures of central tendency.

3. Science:

- a. **Grade 7**
- i. SC.7.E.6.6: Earth Structures: Identify the impact that humans have had on Earth, such as deforestation, urbanization, desertification, erosion, air and water quality, changing the flow of water.
- b. **Grade 8**
- i. SC.8.E.5.2: Earth in Space and Time: Recognize that the universe contains many billions of galaxies and that each galaxy contains many billions of stars.
 - ii. SC.8.N.4.1: Science and Society: Explain that science is one of the processes that can be used to inform decision making at the community, state, national, and international levels.
- c. **Grade 9-12**
- i. SC.912.L.17.1: Interdependence: Discuss the characteristics of populations, such as number of individuals, age structure, density, and pattern of distribution.

- ii. SC.912.L.17.5: Interdependence: Analyze how population size is determined by births, deaths, immigration, emigration, and limiting factors (biotic and abiotic) that determine carrying capacity.
- iii. SC.912.L.17.8: Interdependence: Recognize the consequences of the losses of biodiversity due to catastrophic events, climate changes, human activity, and the introduction of invasive, non-native species.
- iv. SC.912.L.17.11: Interdependence: Evaluate the costs and benefits of renewable and nonrenewable resources, such as water, energy, fossil fuels, wildlife, and forests.
- v. SC.912.L.17.12: Interdependence: Discuss the political, social and environmental consequences of sustainable use of land.
- vi. SC.912.L.17.16: Interdependence: Discuss the large-scale environmental impacts resulting from human activity, including waste spills, oil spills, runoff, greenhouse gases, ozone depletion, and surface and groundwater pollution.
- vii. SC.912.L.17.18: Interdependence: Describe how human population size and resource use relate to environmental quality.
- viii. SC.912.L.17.19: Interdependence: Describe how different natural resources are produced and how their rates of use and renewal limit availability.
- ix. SC.912.L.17.20: Interdependence: Predict the impact of individuals on environmental systems and examine how human lifestyles affect sustainability.

4. Social Studies

a. **Grade: 6**

- i. SS.6.G.2.7: Geography: Interpret choropleths or dot-density maps to explain the distribution of population in the ancient world.
- ii. SS.6.G.3.2: Geography: Analyze the impact of human populations on the ancient world's ecosystems.

b. **Grade: 7**

- i. SS.7.G.3.1: Geography: Use maps to describe the location, abundance, and variety of natural resources in North America.
- ii. SS.7.C.2.14: Civics and Government: Evaluate the roles, rights, and responsibilities of United States citizens, and determine methods of active participation in society, government, and the political system.

c. **Grade: 8**

- i. SS.8.G.4.1: Geography: Interpret population growth and other demographic data for any given place in the United States throughout its history.
- ii. SS.8.G.4.5: Geography: Use geographic terms and tools to analyze case studies of the development, growth, and changing nature of cities and urban centers in the United States over time.

- iii. SS.8.G.5.1: Geography: Describe human dependence on the physical environment and natural resources to satisfy basic needs in local environments in the United States.
- iv. SS.8.G.5.2: Geography: Describe the impact of human modifications on the physical environment and ecosystems of the United States throughout history.

d. **Grade: 9-12**

- i. SS.912.G.2.2: Geography: Describe the factors and processes that contribute to the differences between developing and developed regions of the world.
- ii. SS.912.G.3.3: Geography: Use geographic terms and tools to explain differing perspectives on the use of renewable and non-renewable resources in Florida, the United States, and the world.
- iii. SS.912.G.4.1: Geography: Interpret population growth and other demographic data for any given place.
- iv. SS.912.G.4.2: Geography: Use geographic terms and tools to analyze the push/pull factors contributing to human migration within and among places.
- v. SS.912.G.4.5: Geography: Use geographic terms and tools to analyze case studies of the development, growth, and changing nature of cities and urban centers.
- vi. SS.912.G.4.6: Geography: Use geographic terms and tools to predict the effect of a change in a specific characteristic of a place on the human population of that place.
- vii. SS.912.G.4.7: Geography: Use geographic terms and tools to explain cultural diffusion throughout places, regions, and the world.
- viii. SS.912.E.3.4: Economics: Assess the economic impact of negative and positive externalities on the international environment.