"The Golden Age of Piracy"

By: Brie Weaver, Xiomara Cuadra, Gaby Garza
Unit Overview

• English, Math, Science - 9th grade

• Unit Objective(s)
  • Research the impact of the “Golden Age of Piracy” through individual pirates
  • Apply the use of proportions and solve world problems in real life situations (distance and currency)
  • Analyze the effect of diseases throughout that time period
English TEKS

• 110.31. English Language Arts and Reading, English I
  2. Reading/Comprehension of Literary Text/Theme and Genre. Students analyze, make inferences and draw conclusions about theme and genre in different cultural, historical, and contemporary contexts and provide evidence from the text to support their understanding.
  6. Reading/Comprehension of Literary Text/Literary Nonfiction. Students understand, make inferences and draw conclusions about the varied structural patterns and features of literary nonfiction and provide evidence from text to support their understanding.
  13 Writing/Writing Process. Students use elements of the writing process (planning, drafting, revising, editing, and publishing) to compose text.
  23 Research/Organizing and Presenting Ideas. Students organize and present their ideas and information according to the purpose of the research and their audience.
Math TEKS

111.32 Algebra 1

• b.4 The student understands the importance of the skills required to manipulate symbols in order to solve problems and uses the necessary algebraic expressions and inequalities in problem situations.
  • A. Find specific function values, simplify polynomial expressions, transform and solve equations, and factor as necessary in problem situations

• b.6 The student understands the meaning of the slope and intercepts of the graphs of linear functions and zeros of linear functions and interprets and describes the effects of changes in parameters of linear functions in real-world and mathematical situations
  • G. Relate direct variation to linear functions and solve problems involving proportional change
112.37. (7) Science concepts.

• The student knows the relationship between carrying capacity and changes in populations and ecosystems. The student is expected to:
  • D) analyze and make predictions about the impact on populations of geographic locales due to diseases, birth and death rates, urbanization, and natural events such as migration and seasonal changes. TEKS Â§112.34: 11: Science concepts. The student knows that biological systems work to achieve and maintain balance. The student is expected to:
  • (C) summarize the role of microorganisms in both maintaining and disrupting the health of both organisms and ecosystems;
Using Resource Banks to Accomplish Objectives

- As we check the websites for accuracy and content, we were able to divide the information to the appropriate subject.
Resource Bank: English

- Golden Age of Piracy
  - Golden-age-of-piracy.com
- Golden Age of Piracy - Museum of Unnatural Mystery
  - unmuseum.org
- History of Pirates
  - www.thewayofthepirates.com
- Pirates of the Golden Age: Smithsonian Ocean Portal
  - www.ocean.si.edu
- Famous Pirates
  - www.elizabethan-era.org.uk
- Pirates and Sailors
  - www.europ1600s.wikispaces.com
Resource Bank: Math

- How to use proportions and rate of change
  https://www.youtube.com/watch?v=Xx3InuYfIPM
- Value of pirates’ currency with US currency
  http://thepirateempire.blogspot.com/2014/03/pirate-coins.html
- Pirates’ currency
  http://pirates.hegewisch.net/money.html
- Pirates' currency
  http://www.piratechart.com/pages_ages/golden_age.php
- Convert Currency from different nations:
  http://www.oanda.com/currency/comparison
Resource Bank: Science

• Medscape: Scurvy
  • http://emedicine.medscape.com/article/125350-overview

• CDC: Scabies
  • http://www.cdc.gov/parasites/scabies/index.html

• Health: Dysentery
  • http://chealth.canoe.com/channel_condition_info_details.asp?disease_id=156&channel_id=1020&relation_id=71085

• Chain of Infection
  • http://www.austincc.edu/adnmob/rnsg1140/asepsis/chain

• Pirate Medicine
  • http://pirates.hegewisch.net/Pestilence_Pain.html
Benefits of a resource bank

• The resource bank will be the tool needed to gather the information they will use for their research in all three classes.
• The resource bank gives more examples and extra help.
Interdisciplinary Connectedness

• Each subject allows students to gain a deeper understanding on the “Golden Age of Piracy”
  • English: Research on an individual pirate and their contribution
  • Science: The impact of the different diseases that spread during that time period
  • Math: Word problems using proportions to discover currency and distances of that time period versus now
Benefits of Interdisciplinary Units

- Allow students to gain a different insight on a given topic
- Allow students to learn how to apply given lessons to current situations and how it can interrelate
Technology’s role

• Help with research
• Provides more in depth information on the given topics