



Geocaching Through the Pages of *Sandlapper* Magazine

Grade Level: Grade 8

South Carolina Education Standards Addressed:

Standard 8-3: The student will demonstrate an understanding of materials that determine the structure of Earth and the processes that have altered this structure. (Earth Science)

8-3.9 Identify and illustrate geologic features of South Carolina and other regions of the world through the use of imagery (including aerial photography and satellite imagery) and topographic maps.

Standard 8-7: The student will demonstrate an understanding of the impact on South Carolina of significant events of the late twentieth and early twenty-first centuries.

8-7.1 Compare the social and economic impact of World War II and the Cold War on South Carolina with its impact on the rest of the United States, including the increases in the birth rate; the emergence of the consumer culture; the expanding suburbanization, highway construction, tourism and economic development; the continuing growth of military bases and nuclear power facilities; and the increases in educational opportunities.

8-7.3 Explain changing politics in South Carolina, including the role of Strom Thurmond, the shift from the Democratic Party to the Republican Party, the increasing political participation of African Americans and women, and the passage of the Education Improvement Act (EIA).

8-7.4 Summarize key economic issues in present-day South Carolina, including the decline of the textile industry, the state's continuing right-to-work status, the changes in agricultural emphasis, the growing globalization and foreign investment, the influx of immigrants and migrants into the Sunbelt, the increased protection of the environment, the expanding number of cultural offerings, and the changes in tax policy.

This activity is based on geocaching where individuals search for “treasure” using a GPS and specified latitude/longitude points. Using articles in *Sandlapper*, and Google Earth, students will be required to locate destinations based on latitude/longitude, determine elevation and distance in miles from one location to a specified destination, and determine major thoroughfares to travel to a destination. Students must also use *Sandlapper* as a resource in their search for treasure, reading articles to extract treasured quotes and interesting facts about the specified destinations. To complete the activity Google Earth will need to be downloaded. Please note that in Google Earth, one can specifically search South Carolina using the “Fly to” search. As students scroll across the screen latitude/longitude is projected at the bottom of the screen helping students narrow their search for the specified destinations. Google Earth also allows layers to maps that are not reflected in the activity, but could be used to enhance the activity.

Internet Resources:

<http://www.googleearth.com>

Listed is an interesting video that explains how numbers are assigned by the federal government to highways and interstates. This comes from Yahoo News – Who Knew? and correlates to the activity since students are required to view directions and determine interstate routes, and in one instance, highway routes that will carry them to their destination.

<http://whoknew.news.yahoo.com/?nc&vid=25223790>

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Destination 1

1. My last destination is now my current location. Those coordinates are: _____
2. The city of my current location is: _____
3. The coordinates, latitude and longitude, of my new destination are: _____
4. The South Carolina city that matches these coordinates is: _____
5. The elevation of this location is _____ feet above sea level.
6. From my current location the distance in miles from my location to my destination is: _____
7. The primary interstate that runs closest to my destination, and that I could drive on to take me toward my destination is: _____
8. An article from *Sandlapper* about my destination is titled: _____
9. This quote from the article is a "treasured" fact about my destination: _____

Destination 2

1. My last destination is now my current location. Those coordinates are: _____
2. The city of my current location is: _____
3. The coordinates, latitude and longitude, of my new destination are: _____
4. The South Carolina city that matches these coordinates is: _____
5. The elevation of this location is _____ feet above sea level.
6. From my current location the distance in miles from my location to my destination is: _____
7. The primary interstate that runs closest to my destination, and that I could drive on to take me toward my destination is: _____
8. An article from *Sandlapper* about my destination is titled: _____
9. This quote from the article is a "treasured" fact about my destination: _____

Destination 3

1. My last destination is now my current location. Those coordinates are: _____
2. The city of my current location is: _____
3. The coordinates, latitude and longitude, of my new destination are: _____
4. The South Carolina city that matches these coordinates is: _____
5. The elevation of this location is _____ feet above sea level.
6. From my current location the distance in miles from my location to my destination is: _____
7. The primary interstate that runs closest to my destination, and that I could drive on to take me toward my destination is: _____
8. An article from *Sandlapper* about my destination is titled: _____
9. This quote from the article is a "treasured" fact about my destination: _____

Destination 4

1. My last destination is now my current location. Those coordinates are: _____

2. The city of my current location is: _____
3. The coordinates, latitude and longitude, of my new destination are: _____
4. The South Carolina city that matches these coordinates is: _____
5. The elevation of this location is _____ feet above sea level.
6. From my current location the distance in miles from my location to my destination is: _____
7. The primary interstate that runs closest to my destination, and that I could drive on to take me toward my destination is: _____
8. An article from *Sandlapper* about my destination is titled: _____
9. This quote from the article is a "treasured" fact about my destination: _____

Destination 5

1. My last destination is now my current location. Those coordinates are: _____
2. The city of my current location is: _____
3. The coordinates, latitude and longitude, of my new destination are: _____
4. The South Carolina city that matches these coordinates is: _____
5. The elevation of this location is _____ feet above sea level.
6. From my current location the distance in miles from my location to my destination is: _____
7. The primary interstate that runs closest to my destination, and that I could drive on to take me toward my destination is: _____
8. An article from *Sandlapper* about my destination is titled: _____
9. This quote from the article is a "treasured" fact about my destination: _____

Destination 6

1. My last destination is now my current location. Those coordinates are: _____
2. The city of my current location is: _____
3. The coordinates, latitude and longitude, of my new destination are: _____
4. The South Carolina city that matches these coordinates is: _____
5. The elevation of this location is _____ feet above sea level.
6. From my current location the distance in miles from my location to my destination is: _____
7. The primary interstate that runs closest to my destination, and that I could drive on to take me toward my destination is: _____
8. An article from *Sandlapper* about my destination is titled: _____
9. This quote from the article is a "treasured" fact about my destination: _____

Answer Key

Destination 1

1. Answers will vary.
2. Answers will vary.
3. N34 16' 29.55" W81 37' 08.78"
4. Newberry
5. 500 feet
6. Answers will vary.
7. Answers may vary, but I-26 is the interstate that runs closest to Newberry.
8. *Weirdness on Wheels*
9. Answers will vary.

Destination 2

1. N34 16' 29.55" W81 37' 08.78"
2. Newberry
3. N34 00' 03.85" W81 02' 04.55"
4. Columbia
5. 244 feet
6. 41.2 miles
7. I-26
8. *Preserving A Building's Past*
9. Answers will vary.

Destination 3

1. N34 00' 03.85" W81 02' 04.55"
2. Columbia
3. N33 33' 37.07" W81 43' 07.44"
4. Aiken
5. 417 feet
6. 56.4 miles
7. I-26
8. *South Carolina's Oldest Golf Club or A Horse Country Hideaway*
9. Answers will vary.