

2016 AFRICAN AMERICAN HISTORY CALENDAR LESSON PLAN TEMPLATE

Month/Honoree(s): March/Dr. Stuart A. Hamilton

Lesson Title: Money and Time

Grade Level/Course: Grades 4 & 5

Subject: Math

SC Academic Standards and Skills Addressed: 2015 SC Math standards

- Grade 4- 4.MDA.2 Solve real-world problems involving distance/length, intervals of time within 12 hours, liquid volume, mass, and money using the four operations.
- Grade 5- 5.NSBT.7 Add, subtract, multiply, and divide decimal numbers to hundredths using concrete area models and drawings.

Introductory Statement/Lesson Overview: Students will calculate the cost of travel to different places around the world and compare/contrast the cost of traveling different places. Students will calculate the time it takes to travel to destinations around the globe.

Goals/Lesson Objectives:

1. Students will research the cost of travel to certain destinations around the globe and calculate the cost of travel.
2. Students will determine the amount of time it takes to travel to certain destinations.
3. Students will determine the most cost effective way to travel to certain destinations.

Lesson Progression and Time Frame:

Activity 1: Introduce the concept of adding and subtracting decimals. Discuss with students that this is a “real world” activity when deal with money. Discuss as a class why it is important to know how to compare prices of money. For this activity students will pick five domestic cities in which to travel by air and five international cities in which to travel by air. One of the international cities should be Esikhawini, South Africa in honor of Dr. Hamilton’s clinic in the city.

Since this activity deals with airplane travel students will use the international airport closest to their location as their “home base.” After determining their five domestic cities students will research the cost to travel round trip to each city from their home base airport. Students will then compare the cost of travel to the different cities. Students will determine the cheapest travel location and the most expensive travel location.

Students will then repeat the same process with their international cities. Students will compare the cost of traveling to each location from their home base airport. Students will also compare the cost of international travel verse domestic travel. Students will share their findings in a multimedia presentation featuring each destination and the cost of travel.

Activity 2: Students will determine the time it takes for air travel to their domestic and international locations. Students will determine the elapse time to each location. They will determine which locations take the least amount of time to travel to and which take the most amount of time to travel to.

Activity 3: Students will research the most effective way to travel to certain destinations in regards to cost and time. Students will research travel cost to one domestic and one international location of their choice and to Esikhawini, South Africa. For all three locations students will determine which method of travel (car, ship, or plane) is the most effective way to travel based on cost and time. All three methods of travel may not be possible to each location. Students will present their research to the class through a multimedia presentation.

Extensions/Differentiation

College and Career Readiness Extension: Dr. Hamilton is very successful in his chosen professional field. Students can research the educational path necessary to become a doctor. Students can research different medical programs at various colleges. Through this research, students can calculate the cost difference between various programs, the amount of time required to complete the programs, and curriculum.

Assessment:

- For activities 1 & 3, students will create multimedia presentations that can be assessed/shared with the class.
- For activity 2, students can peer check their time calculations with classmates.

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