

## 2015 AFRICAN AMERICAN HISTORY CALENDAR LESSON PLAN

Month/Honoree(s): February: Tyrone Corbin

Lesson Title: Oh the Places You'll Go (Tyrone Corbin)

Grade Level/Course: K-8

Subject: math, science, social studies/geography

SC Academic Standards and Skills Addressed:

- Social Studies Standards
  - Social Studies Literary Skills for grades 1-8, find locations on a map
  - 2-1.5
- Science Standards
  - K-1.1, K-4.2, K-5.1
  - 1-1.1, 1-5.1, 1-5.21-5.4
  - 2-1.1, 2-1.3, 2-3.2, 2-3.3
  - 3-1.1, 3-1.4, 3-1.6, 3-5.1, 3-5.2, 3-5.3, 3-5.4
  - 4-1.1, 4-1.3, 4-1.5, 4-1.6, 4-4.3
  - 5-1.1, 5-1.2, 5-1.5, 5-5.1, 5-4.2, 5-5.4, 5-5.6
  - 7-1.2, 7-1.3, 7-1.4, 7-1.5, 7-1.6
  - 8-5.3, 8-5.4
- Math Standards
  - K.CC.1, K.G.3, K.G.4
  - 1.NBT.1, 1.G.3
  - 2.NBT.2, 2.NBT.4, 2.NBT.5, 2.NBT.6, 2.MD.8, 2.MD.10, 2.G.3
  - 3.NBT.1, 3.NBT.2, 3.MD.1, 3.MD.3
  - 4.NBT.4, 4.MD.2
  - 5.NBT.7, 5.G.1, 5.G.2
  - 6.NS.3, 6.SP.4
  - 7.NS.3

Introductory Statement/Lesson Overview:

- Use the SC African American History calendar 2015 (February) to introduce the class to Tyrone Corbin.
  - Born and raised in Columbia, SC
  - His high school basketball team won the state championship his senior year
  - College career-DePaul University

- Played for 9 NBA teams-San Antonio, Cleveland, Phoenix, Minnesota, Utah, Atlanta, Sacramento, Miami, & Toronto).
- Currently lead assistant coach for the Sacramento Kings.
- Lessons are designed around basketball and Corbin's NBA career

Goals/Lesson Objectives:

- TSW plot and identify the 9 cities in which T. Corbin played on a map
- TSW compare the cost of a plane ticket to each city T. Corbin played from his birthplace of Columbia, SC
- TSW construct a graph illustrating the different plane ticket costs
- TSW calculate how long it takes by plane to go to each of the 9 cities in which T. Corbin played from Columbia, SC
- TSW graph the average temperature in each city
- TSW observe the characteristics/properties of a basketball
- TSW identify a basketball as a 3D shape-sphere
- TSW divide the basketball sphere into  $\frac{1}{2}$  and  $\frac{1}{4}$  areas
- TSW observe the effects of force and motion on a basketball
- TSW conduct a full scientific experiment involving shooting a basketball
- TSW count by 1s, 5s, and 10s

Instructional Materials:

- Basketball
- Basketball goal (can be on the playground or gym)
- Atlas or map in a textbook of the United States
- [US map for city location activity](#)
- Graph paper
- Airline tickets table from Columbia, SC to NBA cities-Appendix 1

Lesson Progression and Time Frame:

Activity 1: grades 1-8, (30 min)

- Students will use the US map to locate and plot the cities in which Corbin played. To locate cities students will use atlases, textbook maps, or on-line maps.
- Through this activity, students will become more familiar with the geography of the United States, locating major cities on a map, and the different areas in which Corbin played.

Activity 2: can be modified to apply to grades K-8, (40-45 min)

- Students will use various math skills while looking at plane tickets to the nine cities that Corbin played in from his home city of Columbia, SC.
- Younger grades can use the Appendix 1 where the price of the tickets is provided. Upper grades and research on the internet for ticket prices.
- Younger grades can use subtraction to find the difference between given city prices. Upper grades can use mathematical operations to find the difference between tickets to a certain city that are non-stop, 1 stop, and 2 stops.
- Upper grades can calculate the elapse time between departure from Columbia and arrival at the different cities.
- Younger grades can compare the ticket prices using “greater than” and “less than” symbols.
- Students can make age appropriate graphs show the ticket prices for each city.

Activity 3: grades 3-8, (30 min)

- Students can research on-line the average temperature for teacher determined months in each city.
- Students can make age appropriate graphs show the average temperature for the cities.

Activity 4: grades K-1, (10-15 min)

- Students will pass a basketball back and forth while counting by 1s, 5s, & 10s

Activity 5: can be modified for grades K-5 (30 min.)

- Younger grades can observe the characteristics of a basketball.
- Grades 1-5 will note that a basketball is a 3D shape of a sphere and show how it can be divided in  $\frac{1}{2}$  and in  $\frac{1}{4}$ .

Activity 6: modified for grades 3-8 (30 min)

- Students can observe force and motion with the basketball. They will note how the amount of force affects the movement of the basketball. They will note how the direction in which the force is applied affects the movement of the basketball. Students will note how a force can stop the motion of the basketball.

Activity 7: modified for grades K-8 (times varies depending on grade)

- Students will conduct a full scientific investigation through shooting a basketball. Below is a basic outline of the experiment-modify for the appropriate grade level.
  - Hypothesis: If I practice shooting basketball for 10 minutes a day for 10 school days, then the number of baskets I make out of 20 shots will be great after the 10 days.
  - Prediction: (varies)

- Procedure:
  1. On day 1 have each student take 20 basketball shots and record how many shots they make.
  2. Days 1-10 students will practice shooting basketball for 10 minutes.
  3. On day 10, after the 10 minute practice, the students will shoot another 20 shots. Record results.
- Collect/show data
  1. Use age appropriate graphs to show results.
- Results: (varies)

Extensions/Differentiation –seen in lesson activities

Assessment:

- Activity 1: map
- Activity 2: various math calculations and graphs
- Activity 3: graph
- Activity 4: teacher observation
- Activity 5: teacher observation
- Activity 6: teacher observation
- Activity 7: scientific experiment

**Developed by:**

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Appendix 1

Average price for airline tickets from childhood home of Columbia, SC to cities where Tyrone Corbin played in the NBA.

(prices as of 11/2014)

Each price is from Columbia, SC

City	Price
San Antonio, Texas	\$457.20
Cleveland, Ohio	\$353.20
Phoenix, Arizona	\$358.30
Minneapolis, Minnesota	\$538.20
Salt Lake City, Utah	\$493.20
Atlanta, Georgia	\$328.20
Sacramento, California	\$455.70
Miami, Florida	\$341.20
Toronto, Ontario	\$384.70