

## Teacher Circle Lesson Plan Template

Name: Michael Putnam

Subject area: Science, Math, ELA, Social Studies, Art, Health, & Physical Education

Grade level: 6<sup>th</sup> Grade

Lesson title: Washington Pavilion Mobile Classroom Booklet

### Brief summary/lesson plan description

The activity is a booklet that is tied to several different 6<sup>th</sup> grade standards. Students will have five different areas they will complete activities. They will complete activities that are tied to standards in Science, Art, ELA, Social Studies, Math, Health, and Physical Education.

### Prior Knowledge (What do the students need to know before they come to make this lesson meaningful?)

These are all activities based off the 6<sup>th</sup> grade standards that students should be learning throughout the year.

### Common Core or State Standards Addressed

#### Science:

MS-ESS1-2; MS – ESS2-1; MS – ESS2-2; 6 – 8  
ETS1-1; 6 – 8;  
ETS1 – 2; 6 – 8 ETS1 – 4.

#### Math:

6.RP.1; 6RP.3; 6.NS.2.

#### ELA:

6.RI.2; 6.RI.3; 6.R.I.7; 6.W.2; 6.W.4; 6.W.8; 6.L.1;  
6.L.2; 6.L.3.

#### Social Studies:

6.H.1.1; 6.H.1.2; 6.H.2.1; 6.H.5.2; 6.C.5.1; 6.E.4.

#### Art:

6 – 8.VA.Re.7.1; 6 – 8.VA.Re.7.2; 6 – 8.VA.Re.8.1;  
6 – 8 VA.Cn.11.1

#### Health:

H.1.8.1; H.5.8.1; H.5.8.6; H.5.9.7; H.6.8.1; H.7.8.1

#### Physical Education:

S2.M13.6; S3.M3.6; S3.M4.6; S3.M5.6; S3.M17.6;  
S4.M1.6; S1.M7.6

### Essential Skills and Strategies Addressed (Creativity/Critical Thinking/Communication)

Students will use a variety of creativity, critical thinking skills, and communication to complete the activity booklet activities.

### Instructional Strategies/Differentiation

The activities are all based off the standards that 6<sup>th</sup> grade students should be covering throughout the year. Teachers can vary the activities or modify for students as needed.

### Procedure (learning activities)

Students will use the Activity Booklet to complete the activity at each station.

### Assessment Method

The Activity Booklet will serve as the assessment tool.

### Museum Exhibits/Resources Utilized

Science Second Floor: Weight on Other Planets; An Orbit Balances Gravity with Forward Motion

Science Third Floor: Earthquake Engineer; Water Power; The Rock Cycle

Science Fourth Floor:

Visual Arts Center

South Dakota African American History Museum

## 6<sup>th</sup> Grade Standards Covered

### Science:

MS-ESS1-2; MS – ESS2-1; MS – ESS2-2; 6 – 8 ETS1-1; 6 – 8;

ETS1 – 2; 6 – 8 ETS1 – 4.

### Math:

6.RP.1; 6RP.3; 6.NS.2.

### ELA:

6.RI.2; 6.RI.3; 6.RI.7; 6.W.2; 6.W.4; 6.W.8; 6.L.1; 6.L.2; 6.L.3.

### Social Studies:

6.H.1.1; 6.H.1.2; 6.H.2.1; 6.H.5.2; 6.C.5.1; 6.E.4.

### Art:

6 – 8.VA.Re.7.1; 6 – 8.VA.Re.7.2; 6 – 8.VA.Re.8.1;

6 – 8 VA.Cn.11.1

### Health:

H.1.8.1; H.5.8.1; H.5.8.6; H.5.9.7; H.6.8.1; H.7.8.1

### Physical Education:

S2.M13.6; S3.M3.6; S3.M4.6; S3.M5.6; S3.M17.6; S4.M1.6;

S1.M7.6

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# Washington Pavilion Mobile Classroom Activity Booklet



## 6<sup>th</sup> Grade

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Name

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School

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## South Dakota African American History Museum

- In the glass cases find four different stories about African Americans that have come to South Dakota or are from South Dakota. Read about each and create a timeline below about each. On the top of the time line write the date that you found important in the history of this person and then below write a summary about the important event.

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- Now choose one of the figures from in the cases. Read about that figure. Now write a paragraph about how this important African American has influenced or affected our society and / or government.

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## Visual Arts Center

In the visual arts center, choose an artwork.

Artwork: \_\_\_\_\_ Artist \_\_\_\_\_

What do you think the mood of this artwork is? (Colors, Types of Lines)

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Now choose a second artwork that represents culture or has cultural meaning.

Artwork: \_\_\_\_\_ Artist \_\_\_\_\_

What is the time period of this artwork and why do you think this? (Modern vs. Ancient)

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Now choose a third artwork that uses lot of colors.

Artwork: \_\_\_\_\_ Artist \_\_\_\_\_

What color scheme did this artist use? (Primary or Secondary, Warm or Cool) and describe.

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## Science Floor 2

Exhibit: Weight on Other Planets (Peanut Butter Weights)

- Explain how gravity on different planets affects your weight?

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- If the gravity of Mars is .38 times what it is on Earth, what is your weight on Mars? What about on Jupiter where gravity is 2.87 times greater than on Earth?

<div style="border: 1px solid black; width: 100px; height: 30px; margin: 0 auto;"></div>	
X	.38
<hr/>	

<div style="border: 1px solid black; width: 100px; height: 30px; margin: 0 auto;"></div>	
X	2.87
<hr/>	

Exhibit: An Orbit Balances Gravity with Forward Motion

- When you release the ship, describe what two forces are causing that ship to orbit the Earth and how those forces are working on the ship.

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## Science Floor 3

### Exhibit: Earthquake Engineer

- Using the blocks, construct a building that could withstand an earthquake. How did you construct your building and why was it affective or not? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Now explain how catastrophic events such as earthquakes take place due to the motion of the plates.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Exhibit: Water Power

- At the erosion table, turn the water off, and move the sand all throughout the table evenly. Then turn on the water and watch what happens. Describe how this is an example of weathering and erosion on our Earth. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### Exhibit: The Rock Cycle

- Read the Rock Cycle diagram on the wall. Then choose a rock from one of the three bins. Observe this rock under the video magnifier or ultraviolet light box. Now describe the how the rock you observed could have went through all stages of the rock cycle.  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## Science Floor 4

### Exhibit: Exercise Bike or Wheelchair Race

- Complete either FIVE wheelchair race competitions with a friend or FIVE minutes of exercise biking.

### Exhibit: Build a Colorful Plate or Sugar in Drinks Wall

- Build a plate with FIVE health items. Explain why these five items are an important alternative to unhealthy snacks and foods.  
\_\_\_\_\_  
\_\_\_\_\_
- For each of the five drinks, create a ratio comparing grams of sugar to the calories in the drink. Simplify if possible.

Drink					
Ratio					
Simplified Ratio					

### Exhibit: Block Building or Imagination Playground

- At the block building station, with a time limit of five minutes, build an Egyptian pyramid. After you complete this, explain the importance of the Nile River to the early Egyptian Civilizations.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- At the Imagination Playground, with a five-minute time limit, create a free-standing structure of your choice. Explain what you built and why?  
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\_\_\_\_\_  
\_\_\_\_\_