

Curriculum Template

Dig Deep CBA @ the Clark County Museum

Lesson Title: Bicycles in Clark County – PowerPoint (Lesson 4)

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Course(s): Washington State History or U.S. History

Grade Level(s): Elementary

Summary of Lesson: This lesson is a part of a unit on transportation in the 1850's -1920 in Clark County. It looks at the role that bicycles have made on the region during this time period.

Time Required: 10 lessons in the unit - each about 45 minutes

CBA Components

Essential Question How do artifacts tell the history of Clark County?

Central Guiding Question: What has been the role of bicycles in Clark County? How did bicycles impact the life of the people in Clark County in the mid 1800's - 1920?

Required CBA Components:

- Use evidence from artifacts and/or primary sources to develop a historical account of a time period.
- Identify events from the time period on a timeline related to the artifacts and/or primary sources.

Culminating Activity:

Pretend that you were born in 1860 in Clark County and you want your great grandchildren to understand the times in which you lived. You have saved some photos and newspaper articles of special events. Write a letter to your great grandchildren explaining these artifacts to them. Use a timeline to show the sequence of events in Clark County.



Use this photo:

Relevant Secondary Sources:

- *Bicycles* by Loa M. Schaefer
- *Popular Mechanics for Kids – The Best Book of Bikes* by Amy Pinchuk
- *Major Taylor, Champion Cyclist* by [Lesa Cline-Ransome](#)
- *Pieces of Science: Major Taylor* – slide show available online at <http://www.sln.org/pieces/silverman/taylor.htm>
- “Pedaling History Bicycle Museum” <http://www.pedalinghistory.com>

Relevant Primary Sources/Artifacts:

- Photos of Clark County provided in PowerPoint presentation
- Artifacts from the transportation exhibit case of the Clark County History Museum’s “Vancouver Uncovered” display.

- *Images of America - Downtown Vancouver* by Pat Jollota This is a photo journal of the county dating from its prehistoric times of the Chinook Indians until the present.
- Facsimiles of the Sears and Roebuck Catalogues of the late 1800's and early 1900's Available in the Clark County Public Library system
- Online images of bicycles referenced above

Museum Connection:

Students should visit the Clark County museum to see the Vancouver Uncovered Exhibit as well as the other exhibits of this time period. Students should note in particular the transportation display that includes a Ranger Bicycle made in about 1925. When the boxes of artifacts from the Convention center that have been donated to the CCHM are available for schools, Feature 7 Store Box 5 of 5 AU 2 2894 contains the parts of a bicycle that would be useful for this lesson.

Support Materials:

- CBA Dig Deep Analyze Artifact - Directions to Students handout (available online at OSPI website www.k12.wa.us/curriculumInstruct/wocstudies)
- Dig Deep Rubric – History (available online at OSPI website www.k12.wa.us/curriculumInstruct/wocstudies)
- Students will keep a vocabulary organizer for words related to this unit (See vocabulary)
- KWL chart
- Cause and Effect graphic organizer
- Chart for PowerPoint showing picture of bicycle, name, what they are made of, good and bad characteristics

Resource List for the Teacher:

- “The Bicycle Museum of America” <http://www.bicyclemuseum.com/html/bikes.html>
Good source of information and photos of 1800's bicycles and interactive timeline.
- Cline-Ransome, Lesa. *Major Taylor, Champion Cyclist*. N.Y.:Atheneum Books for Young Readers, 2004.
This is the biography of African American cyclist Marshall Taylor who won the 1899 World Championship title in spite of racial prejudices that plagued his life. Picture book that is a good read aloud book for grades 2-4
- Israel, Fred L. ed. *Sears and Roebuck Catalogue 1897*. New York: Chelsea House Publishers, 1968. This edition is a facsimile of the 1897 Sears, Roebuck Catalogue. This is an excellent primary source for students to look at bicycles, bicycle accessories, the clothing of the time period, etc.
- Jollota, Pat. *Images of America- Downtown Vancouver*. Charlestown: Arcadia Publishing 2004
Excellent source of primary sources – A photo journal of Clark County from its prehistoric inhabitants, the Chinooks, to the present.
- Landerholn, Carl. *Vancouver Area Chronology 1784-1958* . 1960 available at the Clark County Historical Museum.
This is a collection of quotes from period newspapers on various topics including the bicycle.
- Langton, Jane. *Time Bike*. Harper Trophy. 2002 ISBN 0-06-028437-4
Eddy receives an old-fashioned bike after his new one was stolen. Eddy discovers that this is a special bike that takes him to visit important dates in history.

- Livingston, Myra Cohn. *Roll Along: Poems on Wheels*. 1993. ISBN # 0-689-50585-x
This is a collection of contemporary poems from various authors about wheels and vehicles that roll. Suitable for ages 9-12.
- Murphy, Jim. *Two Hundred Years of Bicycles*. N.Y.:Lippincott, 1983.
This is a thorough book about the history of bicycles. Good information for teachers.
- Online Museum Educations – Franklin Institute Collection 7 July 2007
<http://www.sln.org/pieces/silverman/artifacts.htm>
19th century bicycle memorabilia - Observe bicycle artifacts online
- “Pedaling History Bicycle Museum” <http://www.pedalinghistory.com>
A quick history of bicycles along with other links
- Pieces of Science . “Bicycles”. 25 July 2007
<http://www.sln.org/pieces/payton/teach.htm>
Teachers’ guide for bicycles as well as links to treasure hunts, slide shows, quizzes, and slide show about Major Taylor which is designed for elementary school readers and illustrated by students.
- Pinchuk, Amy. *Popular Mechanics for Kids. The Best Book of Bikes*. Toronto:Maple Street Press Inc.2003. A very thorough book on all aspects of bicycles including a history of the bicycle.
- Schaefer, Lola. M. *Bicycles*. Mankato:Capstone Press, 2000. An easy to read book for children all about bicycles, including information about their history.
- “Science of Cycling’, Unisys Exploratorium

Lesson Plans: I have designed this to be a unit on early transportation in Clark County from 1850-1920 with a focus on the bicycle. The class will be looking at how the geography, technology, economics, population, etc. changed the way people traveled and how as life became easier and more prosperous, transportation even became a means of recreation. Focusing on the bicycle, students will be encouraged to find out about this era and how the bicycle impacted different areas of their live. Students will learn that the bicycle would later influence new technologies including the automobile and the airplane. Students will keep all handouts, research, notes, etc. in a folder. Projects will be displayed in the classroom. All notes, displays, etc. will be accessible to the students when doing the CBA.

Vocabulary that will need to be defined during this unit: artifact, analyze, cause and effect, characteristics, era, industrialization, primary sources, secondary sources, etc. A glossary of these terms can be found at OSPI’s web site at <http://www.k12.wa/assessment/WASL/SocialSTduies/default.aspx>.

Vocabulary related to bicycles include: craze, velocipedes, shakers, ordinaries, and safeties

- **Lesson 1** In cooperative groups do a KWL chart of what the students already know about different kinds of transportation. Use sticky notes so that they can be organized in a meaningful way.
- **Lesson 2** What is an artifact? – Examine and discuss what artifacts are in general and fill out graphic organizer. Excellent graphic organizers for artifacts,

documents, photos, etc. are available at <http://www.archives.gov/education/lessons/worksheets/arifact.html> and <http://www.vermonthistory.org/educate/histday/Curricpk07/printversions07/analysiswrkshts07.pdf> Have each student find an artifact at home to share with small groups the following day.

- **Lesson 3** Discuss the current exhibit on Vancouver Uncovered at the Clark County Historical Museum and go on a field trip to the Museum. View the artifacts there to give the students an overall understanding of what it looked like in this time period. In the exhibit on Vancouver Uncovered, note the transportation exhibit case in particular. Fill out a treasure hunt questionnaire related to the transportation exhibit case noting the many different means of transportation. The Vancouver Uncovered exhibit will be on display through December 2007.
- **Lesson 4** View the attached PowerPoint presentation and learn about the history of the bicycle and its impact on Clark County. Together, fill out an organizer on the history of bicycles noting the name, date, materials used, good characteristics and bad characteristics of each type of bicycle.
- **Lesson 5** Together examine photos or newspaper artifacts from Clark County that relate to transportation in the region. Record information on the artifact analysis worksheet
(Optional) During computer time have students read a power point presentation about Major Taylor, a famous black America bicyclist. Note: Each slide has been illustrated by students. <http://www.fi.edu/pieces/silverman/taylorbook/taylor2.htm>
- **Lesson 6** Discuss how the bicycle/tricycle influenced the community in ways other than transportation such as a change of dress, bicycle clubs, women's new found freedom, changing laws to create bike paths, recreation, jobs, crime, and future technology including the automobile and airplane. Record on a cause and effect graphic organizer.
- **Lesson 7** Timelines – What they are? Model for the students your own personal timeline. Have students make their own timeline of special events in his/her life.
- **Lessons 8 and 9** In small cooperative groups, further research a particular area of transportation during this era. Have students title, describe using bullets, and illustrate their means of transportation on a poster. Discuss and share. When complete form a human timeline. Use student checklist as a guide to their learning.
- **Lesson 10** Model how to do a CBA using the rubric. Using a different artifact than the one that will be used in the CBA, show the students how to analyze a photo and write to a prompt. Show samples of student work. These are available at OSPI's web site. at <http://www.k12.wa/assessment/WASL/SocialSTudies/default.aspx>. Click on the pencil of the Dig Deep elementary School History column.

Students complete Dig Deep CBA as described above.

Extension possibilities:

- Read *Time Bike* by Jane Langton
- Design your own wheeled vehicle using any materials you wish including clay, wood, wire, paper, straws, cardboard, etc.
- Explore the technology behind the bicycle and find out how it works.
- Read poems about wheeled vehicles and write one of your own. (See Teacher Resources)
- Learn about France, home to the Tour de France. Go on a photo tour of France at <http://www.comsewogue.k12.ny.us/~ssilverman/paris/intro.htm>
- Have students read a PowerPoint presentation about Major Taylor, a famous black America bicyclist if not done above. Note: Each slide has been illustrated by students. <http://www.fi.edu/pieces/silverman/taylorbook/taylor2.htm>
- Compare and contrast two champion bicyclist who had to overcome some serious odds, Major Taylor of the late 1800's and today's Lance Armstrong. Write about how they were heroes in spite their difficulties.