

Cartouche Map of Oklahoma's Economic Development

About this lesson

Grade Level: High School

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Time: One to three class
periods

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Brief Lesson Description Students will be engaged in a discussion about innovation and technology. They will research the innovations and technological achievements made in Oklahoma over the course of the state's history. They will create a cartouche map of these innovations and technological achievements.

Time

- Discussion and Instruction – 20 to 50 minutes
- Research – 50 to 100 minutes (can be done outside class time)
- Map Creation – 100 to 200 minutes (can be done outside class time)

High School Oklahoma History PASS Objectives Correlations

- Standard 1 – Students will demonstrate process skills in social studies.
 - Students will identify, evaluate, and explain the relationships between the geography of Oklahoma and its historical development using different kinds of maps.
 - Students will interpret information from a broad selection of research materials.
- Standard 6 – Students will investigate the geography and economic assets of Oklahoma and trace their effects on the history of the state.

Procedure

1. Discuss innovation and technology with the students using the following discussion points:
 - a. Give the definition of economics from a variety of sources. Note that these definitions include the concept of scarcity.
 - b. Hypothesize that technology is the number one resource and that it is unlimited.
 - c. Discuss the concept of self-interest.
 - d. Discuss the vital importance of the protection of private property rights, particularly intellectual property rights, in the success of a market economy. Article I, Section 8 of the U.S. Constitution – *Congress shall have the power to promote the progress of science and useful arts, by securing for limited times to authors and inventors the exclusive right to their respective writings and discoveries.*
 - e. Discuss how innovation and technological achievements are fostered through education and entrepreneurship.
2. Ask students to list some of the innovations and technological achievements made in Oklahoma and where they were made. Some of these that most students are aware of include the invention of the shopping cart and the invention of the parking meter in Oklahoma City, Tulsa as the Oil Capital of the World, Braum's in Tuttle, and Sonic originating Shawnee.
3. Give students Handout 1 – Cartouche Map of Oklahoma's Economic Development and two copies of Handout 2 – Outline Map of Oklahoma (one to be used as a practice map).

4. Provide students with time to do the research and to create the cartouche map as class time or as homework.

Closure

On the day that the maps are due, have students explain a few of the innovations and technological achievements on their maps. Display the maps in the classroom or school hallways. Discuss with students the importance of innovation and technology for Oklahoma's future. Ask them to volunteer any innovative ideas they may have and how they might go about becoming an Oklahoma entrepreneur.

Extension

Have students use the archives of *The Oklahoman* to research Oklahoma entrepreneurs and innovations developed in Oklahoma.

**Cartouche Map of Oklahoma's Economic Development
Handout 1**



DIRECTIONS

- Take part in the class discussion about innovation and technological achievement.
- Research the who, what, where, and how of a variety of innovations and technological achievements made through the course of the history of Oklahoma.
- Entitle the map, "Oklahoma's Economic Development." Be creative and artistic.
- For the purpose of this assignment, a cartouche is a symbol that represents something on a map.
- Select two innovations or technological achievements from each approximate quarter of the state.
- Create a cartouche for each and properly locate it on the map.
- There will be a total of eight cartouches on the map.
- Create an annotated key which includes:
 - The word, "Key"
 - A smaller version of each cartouche
 - An explanation of each innovation or technological achievement which includes the who, what, where, and how.
- Create a border around the map that is applicable to the innovations and technological achievements made in Oklahoma.
- Create a compass rose that is applicable to the innovations and technological achievements made in Oklahoma.
- Shade the map and cartouches using map pencils.
- Outline using a black pen.

RULES

- Quality Counts!
- The cartouches must be hand-drawn or traced. You may not print or paste any of the cartouches onto the map.
- Shading must be done carefully and only with map pencils. Crayons and markers are not acceptable.

ORDER: (1) Pencil, (2) Shade, (3) Outline in black ink

EXAMPLE: To depict the invention of the shopping cart by Sylvan Goldman in Oklahoma City, you would draw a shopping cart where Oklahoma City is located on the map, then draw a smaller version of the same shopping cart in the key and include an explanation of the who, what, where, and how.

DUE DATE: _____

Handout 2

