

## Technology Infused Lesson Plan

**Name:** Kerry McLaughlin  
**Grade:** Middle School  
**Subject:** Social Studies  
**Title:** Ancient Chinese Inventions

### What is the purpose of this activity?

This is a culminating activity on Ancient China in which students will research Chinese inventions from ancient times and explain how these inventions have impacted society both then and now. Students will practice their oral communication skills. Students will also write for different audiences and purposes.

### Unit Organizer:

How do people and inventions change society?

### Essential Question(s):

- How did new inventions influence the people of China during ancient times?
- Which Chinese invention has been most important to the development of civilization throughout the world?

### Main Curriculum Objective:

Social Studies  
History  
Gr. 5-8

#### Learning Standard 6:

Students will describe and explain major advances, discoveries, and inventions over time in natural science, mathematics, and technology; explain some of their effects and influences in the past and present on human life, thought, and health.

### Auxiliary Curriculum Objective:

English Language Arts  
Language  
Gr. 5-8

#### Learning Standard 3: Oral Presentation

Students will make oral presentations that demonstrate appropriate consideration of audience, purpose, and the information to be conveyed.

### Other Curriculum Objective:

English Language Arts  
Composition  
Gr. 5-8

#### Learning Standard 20: Consideration of Audience and Purpose

Students will write for different audiences and purposes.

**Massachusetts Instructional  
Technology Standard:**

**Grade Level:** 5-8

**Performance Indicator:**

1.32 Create a slide presentation using appropriate applications.

**Standard:**

Standard 1- Demonstrate proficiency in the use of computers and applications as a well as an understanding of concepts underlying hardware, software, and connectivity.

**Corresponding NETS Foundation  
Standards:**

Standard 3- technology productivity tools

**Auxiliary Massachusetts  
Instructional Technology Standard:**

**Grade Level:** 5-8

**Performance Indicator:**

3.9 Communicate results of research and learning with others using the most appropriate tools (e.g. desktop-published or word published report, multimedia presentation)

**Standard:**

Standard 3- Demonstrate ability to use technology for research, problem-solving, and communication. Students locate, evaluate, collect, and process information from a variety of electronic sources. Students use telecommunications and other media to interact or collaborate with peers, experts, and other audiences.

**Corresponding NETS Foundation  
Standards:**

Standard 3 -technology productivity tools

Standard 5- technology research tools

**Other Massachusetts Instructional  
Technology Standard:**

**Grade Level:**

**Performance Indicator:**

**Standard:**

**Activity Description:**

- Students are told they are employed by an advertising firm that currently has its largest account, China International, threatening to take their business elsewhere if the firm does not present a spectacular advertising campaign for some of their latest inventions.
- Each student will be assigned an invention to research.
- Teacher will provide a list of web sites for students to use for research on the Internet.
- Students may also use books and encyclopedias to research.
- Students will create a 6-slide *PowerPoint* presentation that will include a brief history of the invention, information on how the invention works, a comparison of the old invention with present samples or applications, and an explanation of how this invention has changed the world. (see HANDOUTS A, B and C)
- Students will then present their findings to the entire firm in an oral presentation using *PowerPoint*.
- For second part of this project students will create a top-notch print advertisement of their assigned invention using *Word*. (see HANDOUTS D and E)
- Students will discuss as a group which of the inventions have been most important to the development of civilization throughout the world and in doing so will rank the top five.
- Finally, students will write a persuasive essay in which they defend their choice for the invention they believe has been most important to the development of civilization throughout the world. (see HANDOUT H)

**Estimated Time to Complete the Lesson:**

Approximately two weeks (ten 45-minute class periods)  
2 class periods for research  
2 class periods for students to use computer lab to create *PowerPoint* presentations  
2 class periods for presentations  
1 class period for students to plan advertisement  
1 class period for students to use computer lab to create advertisements in *Word*  
1 class period for "Top 5 " discussion  
1 class period for writing persuasive essay

**Teacher Technology to be Used in this Activity**

- Internet- to find appropriate web sites on Chinese Inventions
- *PowerPoint*- to create a presentation to introduce this activity to students
- *Word*- to create handouts and templates

**Teacher and Student Technology to be used in this Activity**

- Projector- to display *PowerPoint* presentations

**Student Technology to be Used in this Activity**

- Internet - to find information on web sites about Chinese inventions selected by the teacher
- *PowerPoint* -to create a presentation
- *Word*- to create print advertisement and to type



**Non-Technology Resources or Materials to be Used in this Activity**

- Books and encyclopedias
- Making a Good *PowerPoint* Presentation handout
- Storyboard handout
- Ancient Chinese Inventions Advertising Project Planning Sheet handout
- Persuasive essay outline

**Final Student Product or Performance:**

- Students will create a PowerPoint presentation on assigned Chinese Invention.
- Students will create a print advertisement for an assigned Chinese invention.
- Students will write a persuasive essay on which invention they believe has been most important to the development of civilization throughout the world.

**Restate the Purpose:**

By researching Chinese inventions from ancient times students will explain how inventions have impacted society both then and now. Students will practice their oral communication skills. Students will also write for different audiences and purposes when writing their essay and advertisement.

**Assessment Instrument to be Used:**

- Ancient Chinese Inventions PowerPoint Rubric (HANDOUT F)
- Chinese Invention Advertisement Project Rubric (HANDOUT G)
- John Collins Writing Assignment FCAs (focus correction area) (HANDOUT H)