

WORLD HISTORY – CLASSROOM BASED ASSESSMENT(CBA) TECHNOLOGY THROUGH THE AGES

A responsible citizen needs to understand historical developments and their economic impacts to make informed decisions about their lives, the nation, and the world today. **In a PowerPoint presentation, write why a technological development was significant.** You will be graded on how well you answer and incorporate the following questions into your essay:

1. Why is a technological development significant? Explain the effects of this change in terms of costs and/or benefits. Explain the significance of the historical era.
2. How do technology developments require investment in human capital, **citing specific examples.**
3. What is your **thesis** on the significance of your chosen technological change in a coherent presentation/paper that:
 - Explains what was done before the technology and how it was changed after the technology.
 - Is **well organized,**
 - Well **supported by accurate, cited evidence,** and
 - Includes a general statement about **why** this technological change took place.
4. Create an annotated bibliography.

Possible Topics

- Global expansion and encounter (1450–1770) **Ex: printing press**
- Age of Revolutions (1750–1914) **Ex: railroads, steam engines**
- Causes and Consequences of WWI/ WWII (1870–1989) **Ex: submarines, air power**
- Emergence and Development of New Nations (1945–present) **Ex: hydrogen bomb, vaccines, Green revolution**
- Challenges to Democracy and Human Rights (1900–present) **Ex: mass media**

Technological Development Outline

1st Slide

Title

2nd Slide

What is your technology?

3rd Slide

Background of Technological Development
(Who? What? When? Where? How?)

4th Slide

Explain how technology requires an investment human capital. Human capital is a person's education, experience and/or ingenuity.

5th Slide

Position Statement – Why is this technology significant?

1. A general statement about why this technology took place.
2. Explain the effects of this technology change in terms of costs and/or benefits.
(Include at least 3 effects.)

3.

6th Slide

What impact did this technology have on society?
Be specific by citing individual examples.

7th Slide

Annotated Bibliography

Technology Through The Ages Rubric

	4 Excellent	3 Proficient	2 Partial	1 Minimal
History 2.2.3 Analyze how technological developments have changed people's ideas about the natural world by evaluating short and long-term consequences.	Accurately explains why a technological development was significant by explaining at least three effects of this change in terms of costs and/or benefits.	Accurately explains why a technological development was significant by providing two effects of this change in terms of costs and/or benefits.	Accurately explains why a technological development was significant by providing one effect of this change in terms of costs and/or benefits.	Describes why a technological development was significant, without providing any specific effects of this change or related costs and/or benefits.
Economics 2.4.3a Explain how investments in human capital can increase productivity but such investments entail opportunity costs risks.	Accurately explains how technology changes require investment in human capital, citing at least two specific examples.	Accurately explains how technology changes require investment in human capital, citing one specific example.	Explains with partial accuracy and/or clarity how technology changes require investment in human capital, citing one specific example.	Identifies how technology changes require investment in human capital, without providing any specific examples.
Social Studies Skills 1.1.3a Formulate a thesis statement in the social studies that examines why as well as how.	Presents a clear, plausible thesis on the significance of a technological change in a coherent presentation/paper that (all of the following): <ul style="list-style-type: none"> • is well-organized, • is well-supported by accurate evidence, and • includes a general statement about why this technological change took place. 	Presents a clear, plausible thesis on the significance of a technological change in a coherent presentation/paper that (two of the following): <ul style="list-style-type: none"> • is well-organized, • is well-supported by accurate evidence, and • includes a general statement about why this technological change took place. 	Presents a clear, plausible thesis on the significance of a technological change in a coherent presentation/paper that (one of the following): <ul style="list-style-type: none"> • is well-organized, • is well-supported by accurate evidence, and • includes a general statement about why this technological change took place. 	Presents a clear, plausible thesis on the significance of a technological change in a presentation/paper that lacks coherence .

Scoring Notes

- To receive credit for providing specific effects on the first rubric, a response must include some specific historical or current information to support the explanation of the effect (e.g., name of groups/individuals who were affected, specific event that illustrates the effect, name of a movement that resulted from technological development.
- For the first rubric, “significant” means **fully explaining each effect by describing how something was done before the new technology and how it has changed after its development.**
- To receive 3 or 4 points on the second rubric, a response needs not only to allude to or imply ways in which human capital was used but also to **explicitly identify and explain the impact of human capital on the technology’s success.**

Create an annotated bibliography using MLA style (*Writer’s Inc.* pg. 79)

-Minimum 3 SOURCES and EXTRA CREDIT will be given if any are not from the internet-

An annotated bibliography is a **list of various resources** (books, articles, magazines, newspapers, websites) you have **located, evaluated, and taken information from** while researching. Each citation is followed by a brief (6-8 complete sentences) descriptive and evaluative paragraph, the annotation. The purpose of the annotation is to inform the reader of the relevance, accuracy, and quality of the sources cited.

Each annotation will include five of the following:

- ***Author’s credentials** (What do you know about the author and his/her expertise on the topic?)
- ***Purpose of the work** (Provide an overview? Persuade? Editorialize or give an opinion?)
- ***Intended audience** (Is the article written for experts or for the general public?)
- ***Summary of contents** (What is the article about? How does it answer the research question?)
- ***Evaluation of the work** (Is the work logical, clear, well-researched? Does it cover the topic adequately? Is the information current enough to be useful and accurate?)
- ***Evaluation of author bias** (Is the author and/or source objective or is there bias?)
- ***Relative value of the work to your research topic or thesis** (Is the article as useful as others included in the bibliography?)

Sample Annotated Bibliography

Research Question: *Is competitive sports for young children a positive thing? What are the advantages and disadvantages of children participating in competitive sports?*

Ferguson, Andrew. "Inside the Crazy Culture of Kids Sports." *Time* 12 July 1999: 52-60. West High Library, Iowa City. 17 Nov. 2005 <<http://search.epnet.com>>.

Ferguson is a regular contributor to *Time*, usually covering politics, drawing on his past experience as a presidential speechwriter. In this lengthy cover story article, he gives an overview of the state of competitive athletics for young children. Addressing families, particularly parents, he describes the advantages and disadvantages of participation in sports by the very young. Ferguson offers some astounding statistics about the number of children who participate in various sports, the amount of time families devote to the sports, and the costs involved in the equipment, clubs, travel, and clinics. The "case histories" he presents—interviews with real kid athletes and their families--help illustrate his topic. He also quotes various experts, including child psychologists, the Consumer Products Safety Commission, and the director of the Youth Sports Research Council. This article was very comprehensive and provided more information on my topic than any other resource. The article is fairly balanced in presenting the pros and cons of competitive athletics for kids, but Ferguson's personal bias weights the "pro" side a bit: he is the father of two young girls who play competitive sports—and it's obvious he thinks this is a good thing!

Key Concepts and Vocabulary – include three terms that apply to your topic:

History – an account of events and people from the past

Balance of Power – the equal distribution of strength among nations that prevents one nation from becoming too powerful

Chronology – the order in which events happen

Imperialism – the act of acquiring territory or extending political and economic control over other peoples

Nationalism – identification with the beliefs and actions of a nation

Push-pull factors – events or features that influence people to leave a place (push factors) or encourage people to go to a place (pull factors)

Technology – the use of science to improve human life and industry

Possible Websites to Explore

- U.S. Federal Government: <http://www.firstgov.gov>
- U.S. National Archives and Records Administration: <http://www.archives.gov/>
- U.S. Census Bureau: <http://www.census.gov/>
- Facts for you: http://www.firstgov.gov/Citizen/Facts/Facts_Science.shtml
- U.S. Patent and Trademark Office: <http://www.uspto.gov/index.html>
- National Aeronautics and Space Administration (NASA): <http://www.nasa.gov>
- Library of Congress: <http://www.loc.gov/>
- American Memory Project: <http://memory.loc.gov/ammem/amhome.html>
- Smithsonian Institution: <http://www.si.edu/resource/faq/nmah/start.htm>,
<http://americanhistory.si.edu/>
- First Gov for Kids: http://www.kids.gov/k_history.htm

- Teaching with Historic Places: <http://www.nps.gov/history/nr/twhp/SSstandards.htm>
- About.com: http://inventors.about.com/od/timelines/Timelines_of_Invention_and_Technology.htm

The **history of technology** is the history of the invention of tools and techniques for doing practical things. Its modern history is intimately related with the history of science, as the discovery of new background knowledge has enabled us to create new things, and conversely, many scientific endeavors have become possible through technologies which assist humans to travel to places we could not otherwise go, and probe the nature of the universe in more detail than our natural senses allow.

Technological artifacts are **products of an economy, a force for economic growth, and a large part of everyday life. Technological innovations affect, and are affected by, a society's cultural traditions.** They also are a means to develop and project military power.

