

TRANSPORTATION AND COMMUNICATION TIMELINE

Performance Standard 16EW.G

Create timelines and write an essay on major achievements in transportation and communication since 1500 C.E. accordingly:

- *Knowledge*: Describe the developments and breakthroughs of transportation and communication networks since 1500CE.
- *Reasoning*: Analyze and explain the significance of the advancements in transportation and communication.
- *Communication*: Produce a transportation timeline and a communication timeline that are well-focused, well-organized and well-detailed; express all ideas in a way that provides evidence of knowledge and reasoning processes.

Procedures

1. *In order to understand Illinois, United States, and world environmental history (16E)*, students should experience sufficient learning opportunities to develop the following skills:
 - Describe the development of transportation and communication networks since 1500CE.
 - Explain how these developments affected environmental history.Note: Have student individually or in small groups research a list of transportation and communication breakthroughs.
2. Have students review and discuss the assessment task and how the rubric will be used to evaluate their work.
3. Ask each student to create two timelines for developments/breakthroughs: one for transportation and another for communication. Student should place the items in chronological order at the proper place on the timeline with a small annotation for each item explaining its significance.
4. Evaluate each student's work using the Social Science Rubric as follows and add the scores to determine the performance level:
 - *Knowledge*: The descriptions (entries on timelines) of the developments and breakthroughs in transportation and communication networks since 1500 C.E. were complete and correct.
 - *Reasoning*: The explanations (annotations on timelines) of the significance of the advancements in transportation and communication.
 - *Communication*: The timelines were well-focused, well-organized, and well-detailed; the knowledge and reasoning were communicated completely and effectively.

Examples of Student Work follow

Time Requirements

- Two to three class periods

Resources

- Print and/or electronic source material
- 8 ½ x14 legal paper
- Colored pencils or markers
- Social Science Rubric

Transportation of the world



was used for war ships and before that

begin transportation by cars



can communicate information by satellites and spy on other countries

Invented the car in Rome, one of the first kinds of transportation 1500

British began building iron ships 1840's

first car started with the gas engine 1888

Automobiles became the chief means of transportation in the U.S. 1920's

satellites were launched by America and Russia 1957

1830 The world's first passenger railroad opened on Britain's Liverpool and Manchester Line. began travel by train

1853 steam locomotive built could carry more cargo than a horse

1903 on December 17th the Wright brothers created the first airplane that was in flight for 12 seconds. transportation by airplane instead of car

1950's first commercial jet airlines began service

1961 April 12 first man in space from Russia went around the world

started space race to moon between U.S. and Russia



Communication

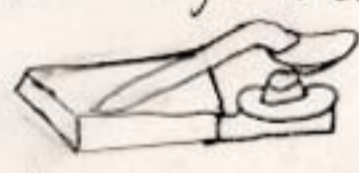
1817
 Straw was first used to make news paper. made paper cheaper to make for large demands.



1829
 Machine made paper for news papers. news paper was a very important way to communicate.



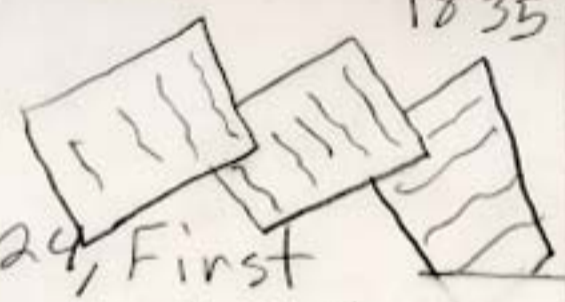
1832
 Webster's Spelling Book was published. created a new way to read the works of others.



1833
 F.B. Morse devised a Method of coded letters over an electrical system. Was the first way to make a "telephone call."

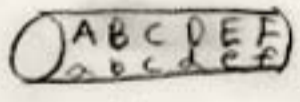


1835
 May 24, First Morse code letter was sent. made it easier to send, so called, "phone calls."



1844
 Gazette began Publishing Price Current, the first commercial Paper. This was a new way to make better and more efficient paper.

1847
 The formation of associated Press! Began to report news around the world.



1848
 R. Hoe & Co. developed a new way of placing type on a revolving cylinder. made typing easier.

1867
 Radio Broadcasting began. quicker way to report news.

1929
 First Practical typewriter. made typing easier and more efficient.



Transportation Time line

Horse Drawn Wagons

This analyzed the basic to travel factor. Another helpful characteristic of the wagon was how efficient it was.

1600

Steamboat Service

This help to make longer journey's across the sea. Also helped to make sea travel easier.

1807

1825

Steam railroad

This used steam which was faster than usual, more comfortable and didn't use animals.

1903

Airplane

This was the first successful airplane. It could go places that cars couldn't.

1970

shortages of fuel

This stopped the demand for oil. It could go places that cars couldn't. Some while vehicles were not used during this time.

1700

Steam Engine

This invention put a new perspective on transportation. It also gave us the idea of a new transport.

1817

Bicycle

Bicycles made by Baron Karl von Drais of Germany. This was faster than walking. This was also helpful.

1890

Gasoline Powered Vehicles

This was private transportation. It also helped to mold the transportation industry.

1950

Jet Airline

Opened up air transportation. This made it possible for that farmer in the line.

1976

Supersonic Passenger Airline

This was very fast. This helped to travel from one corner to the other in 30 minutes.

Communication

