

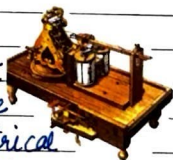
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Good Morning students,

This lesson is for class-V for the subject of History and Civics in which Chapter- 4 "Evolution of transport and Communication" will be continued with the explanation of the topic- Telephone and telegraph and Radio and television. If all the students are ready with their books and notebooks then let us start our today's topic.

Telegraph and Telephone :- since the invention of electricity, electric signals were used in communication. As electrical signals could travel at great speed, message could be sent to a far-away destinations.

1. Telegraph :- A telegraph is an instrument that allows transmission of a message to a distant place using electrical signals. In 1837, Samuel F.B. Morse independently developed and patented a recording electric telegraph. This instrument could send electrical signals over wires between two distant places. This was the first form of electrical telecommunication. Samuel F.B. Morse developed a code known as "the Morse Code" to be



Telegraph Machine

used with an electric telegraph. This code consists of a set of dots and dashes that allowed transmission of complex messages.

2. Telephone :-



Fig. 4.6: In the first half of the 1900s, telephones had no dials. Instead of dialing, callers had to tell the number to a telephone operator to connect a call.

A Telephone is a communication device that can transmit sound or voice to a distant place using electrical signals.

Alexander Graham Bell is credited to be the inventor of the first telephone. In 1876, he was the first to patent a telephone that used a liquid transmitter and an electromagnetic receiver.

In 20th Century, new developments led telephone to become smaller and cheaper.

More people started using telephones to communicate.

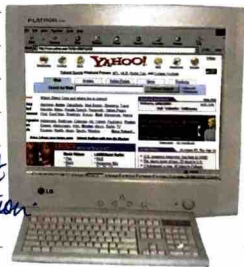
3. Radio and Television :- The first major use of wireless telegraph, called radio, was for communication in ships for navigation. This mainly reduced the isolation of the ships when they were at the sea. One of the significant advantages of radio is that it reaches out to people who cannot read and write.

Good Morning students,

This lesson is for class-V for the subject of History and Civics in which Chapter-4 "Evolution of Transport and Communication" will be continued with the explanation of the topic "Internet", "Satellites" followed by back exercises of this chapter.

* Internet :- The invention of computers has

been one of the most useful of the last hundred years. Computers not only make bulk work easier through software but are also an important means of mass communication. They allow users to communicate with each other over interconnected networks.



E-mail can be sent through a computer

Users are connected to the internet via phone lines or cable connections which allow them to exchange information and data.

Internet in its most basic form is simply a group of computers- able to connect to each other and share information.

* Satellites :- Have you ever wondered how the radio, television or internet can broadcast information

in different countries of the world at the same time? It is possible through communication satellites.

Satellites are sent in outer space through rockets. They revolve round



Communication Satellite

the Earth, pick up signals from the earth's surface stations and transmit them all around the world. This is how you get all the information while sitting in your room.

Exercises

A. Fill in the blanks.

1. Wheels were first used in the Mesopotamian civilization.
2. The travels of Marco Polo through Asia lasted for 24 years.
3. Christopher Columbus made his first voyage in 1492.
4. Ferdinand Magellan proved that the earth is round.
5. Television was invented by John Logie Baird.

B. Match the following.

Column A

1. radio
2. telephone
3. Morse Code
4. Johannes Gutenberg
5. Vasco da Gama

Column B

- a. Portuguese explorer (5)
- b. telegraph (3)
- c. Marconi (1)
- d. Alexander Graham Bell (2)
- e. printing press (4)



C. Write true or false.

1. Spokes were added to the wheel to make it lighter.
2. Vasco da Gama reached India in 1498.
3. The steam engine was invented by the people of the Mesopotamian civilization.
4. Pigeons were used to transmit and receive messages because of their colour.
5. Graham Bell discovered the television.

True

True

false

false

false

D. Choose the correct answers.

1. The earliest evidence of wheels comes from ancient Mesopotamia.

☒ a) Mesopotamia b) Egypt

c) India

2. The Romans built multi-tiered ships known as galleys.

a) boats

b) ships

☒ c) galleys

d) tankers

3. The first train in India was run in the year 1853.

a) 1852

☒ b) 1853

c) 1854

d) 1855

4. The first printing press was created by Gutenberg.

a) Bell

b) Morse

c) Baird

☒ d) Gutenberg

5. The language used in the telegraph was known as Morse code.

a) code

b) Simon code

☒ c) Morse code

d) Simple code

E. Answer the following.

1. How did the invention of the wheel change the way we travel?
2. Who was Christopher Columbus? What is he famous for?
3. What are the modern means of transportation?
4. How did the invention of the printing press help in communication?
5. How do satellites help in the communication system?

Ques. E "Answer the following" :-

1) How did the invention of the wheel change the way we travel?

Ans:- The invention of wheel made travel easier as well as faster. It ^{also} helped in reducing the time required to travel from one place to another.

2) Who was Christopher Columbus? What is he famous for?

Ans:- Christopher Columbus was an Italian explorer. He completed four voyages across the Atlantic Ocean and his voyages opened further journeys to the American continents.

3) What are the modern means of transportation?

Ans:- The modern means of transportation are-

- | | |
|--------------------|-------------------|
| 1) Rail Transport | 2) Road Transport |
| 3) Water Transport | 4) Air Transport |

Ques 4. How did the invention of the printing press help in communication?

Ans:- With the invention of the printing press manuscripts and books started being produced in large numbers. Many copies were produced easily and in a cheap way. So, mass communication has become possible with the invention of printing press.

Ques 5. How do satellites help in the communication system?

Ans:- Satellites communicate by using radio waves to send signals to the antennas on the earth. Using this technology we are able to see news, reports or live telecasts of any event taking place anywhere in the world.

Thank you.

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