

Sending Messages
Greatest Human Achievements

Grade Levels:

5-12

Subject Areas:

STEM

Synopsis:

This program explores the evolution of the ways in which people send and receive information. It's amazing how far we've come in terms of communicating with one another. From carrier pigeons, to the radio and telephones, and finally the digital age, humans have always been driven to improve communication methods.

Learning Objectives: Students will:

- Consider the evolution of sending and receiving messages and/or information
- Learn about the development of Morse Code and the Radio
- Understand how the digital age came to be

Vocabulary:

Samuel Morse, Morse Code, Guglielmo Marconi, Charles Babbage, http, world wide web, digital age

Pre-Viewing Discussion:

Can you think of a piece of technology that you used in your childhood that no longer exists?

What is your favorite way to communicate with someone?

Post-Viewing Discussion:

What was the first way we sent and received messages? How did that change over time?

Why is Marconi considered to be a hero? What did he realize about radio waves?

How have radio waves changed society?

What is the digital age? How has it impacted your life?

Further Activities:

Find an earlier version of a cell phone model. Research how it has changed over time in terms of design and features.

Investigate a “house sized” computer. Note what it was used for and how it worked.