

Create a Code

In the 1800s, scientists made discoveries about how electricity and magnetism are related. They were experimenting on wires carrying electric currents.

They learned that a wire carrying a current has a magnetic field. They also learned that a changing magnetic field can induce an electric current.

Samuel Morse figured out how to use patterns in the current to convey information. We call this code “Morse Code.” The first national communication system used long-distance wires called “telegraph” wires. The first telegraph message was carried in 1844 between Washington DC and Baltimore, Maryland.

Guglielmo Marconi began experimenting with wireless telegraphy in the late 1800s and managed to send a signal - a single letter 's' - across the Atlantic Ocean in 1901. Marconi's company became well established selling wireless telegraphy 'radios' and it was a Marconi radio that the Titanic used to signal – in Morse Code – that it had hit an iceberg and was sinking.

A • -	N - •
B - • • •	O - - -
C - • - •	P • - - •
D - • •	Q - - • -
E •	R • - •
F • • - •	S • • •
G - - •	T -
H • • • •	U • • -
I • •	V • • • -
J • - - -	W • - -
K - • -	X - • • -
L • - • •	Y - • - -
M - -	Z - - • •

Use the Morse Code table at right to create a code below and have a friend or family member solve it.

[illegible]