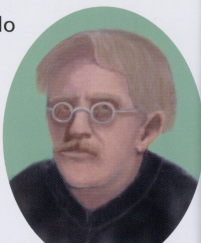


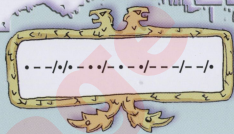
... — — ... Means SOS

When you think of a **code**, do you imagine a spy sending a secret message? Not all codes are meant to be secret. Morse code was developed in 1840. At one time, it was the only way to send messages around the world. Morse code used short and long electrical signals sent by **telegraph**.



Samuel Morse
(1791–1872)

The sounds were received as dots and dashes that represent letters. Telephone, fax and computer messages have replaced morse code. But SOS still means “Send help!”.

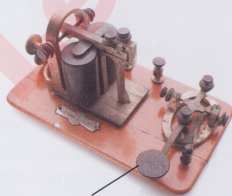


How to Crack Panel 1

The message on the first panel on page 4 is written using **morse code**. Use the **key** shown on the next page to work out the message!

Sending a Message by Telegraph

- Pressing quickly on the telegraph key sends a short electrical signal, written as a dot.
- Pressing the telegraph key three times longer sends a long electrical signal, written as a dash.
- The pause between letters lasts as long as one dash.
- The pause between words lasts as long as two dashes.



Telegraph key



Q: How do frogs send messages?
A: In morse toad!

International Morse Code Key

A ·—	K —·—	U ···—	4 ····—
B —···	L ···—	V ···—	5 ·····
C —··—	M ——	W —··—	6 —····
D —··	N —·	X —··—	7 —····
E ·	O ———	Y —··—	8 —····
F ···—	P —··—	Z —··—	9 —····
G —··	Q —··—	0 ————	
H ····	R —·	1 ·———	
I ··	S ···	2 ···——	
J ·——	T —	3 ···——	

Panel 1
answer: