terces sedoc trap owt

We know that:

- secret codes are used in computing
- there are all sorts of thing we don't want other people to know
- data stored on computers is encrypted so that people can't read it
- substitution ciphers are easy to break

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cryptography

cryptography

crypto graph

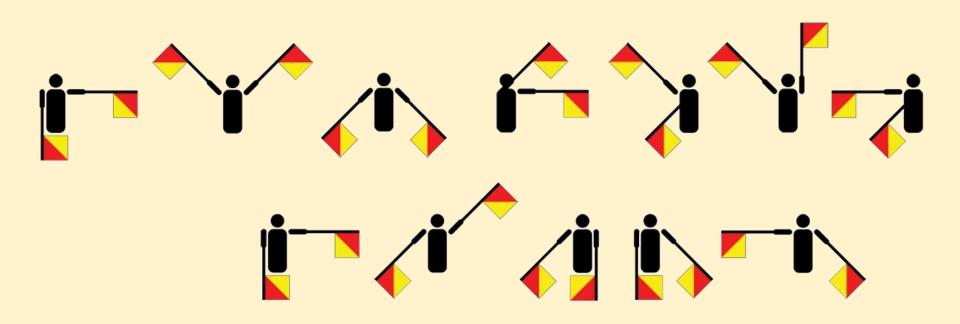
Cryptography is the encoding and decoding of messages using secret codes.

The word comes from the Greek words **kryptos**, meaning "hidden," and **graphein**, meaning "to write."

So **cryptography** means "hidden writing" or "secret writing".

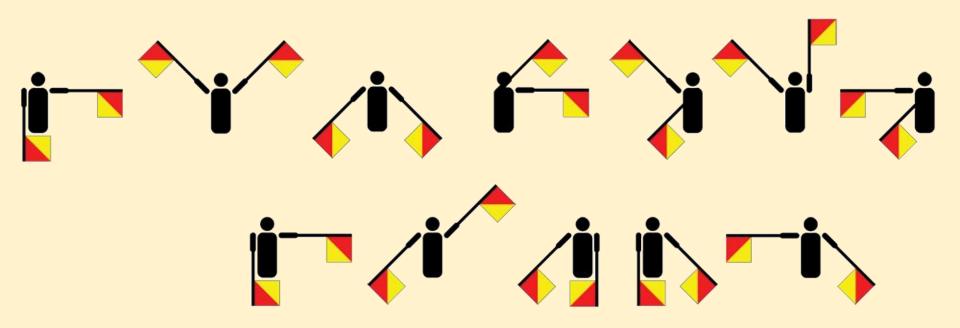


A really simply way to encrypt something it to type it and then change the font into one that uses symbols



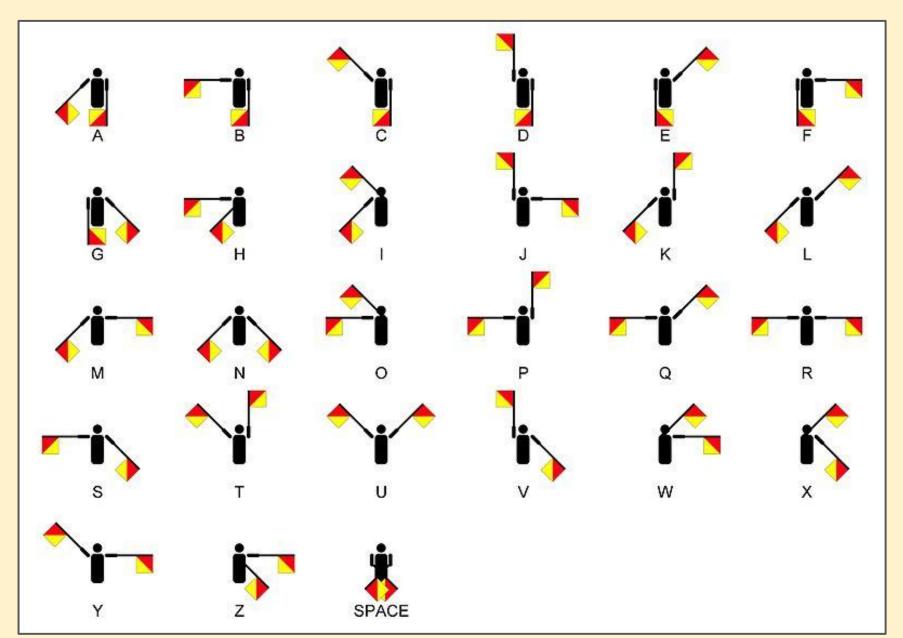
What is this code?

How does it work?





Semaphore



Semaphore is a system of signalling using flags.

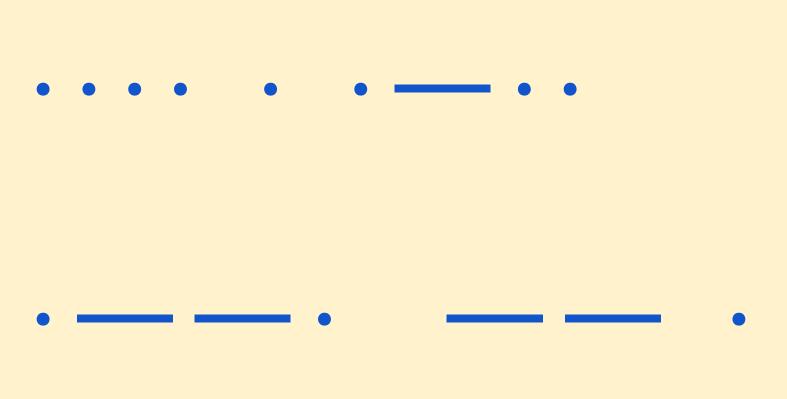
It was first used in 1866.

It has been often used by naval ships - and is still in use today.

Each flag combination has a meaning.

Semaphore is a simple **substitution cipher** - each flag combination has one meaning.





Morse code is another type of code that was used by the Navy.

It uses short and long dashes.

It can be done using lights, which means it can work at night. It can also be done using radio - the dashes make sounds.

The Titanic used morse code when it was sinking to ask for help.

