

ERASMUS PLUS

Wednesday 21st March 2018

« Everyday life as a result of historical events : Bytes and codes »



TOPIC Everyday life as a result of historical events

GOALS At the end of your research you should know

- Bytes and bits :
 - ◇ what is the difference between a bit and a byte.
 - ◇ the origin of those words.
- Binary numbers ↔ Decimal numbers
 - ◇ the historical origin of the binary numbers.
 - ◇ how binary numbers work.
 - ◇ how to convert a binary number to a decimal one and reciprocally.
 - ◇ how to add binary numbers.
- Units and data storage (Go, To, Po...)
 - ◇ what is an octet.
 - ◇ what are the different data storage units (Mo, Go, ...) and the link between them.
- Everyday life codes
 - ◇ what are the UPC, ISBN, credit cards codes...
 - ◇ what is a check digit (how to compute them on simple examples)
- Codes and Alan Turing
 - ◇ who is Alan Turing.
 - ◇ what did he do during the second world war.

FINAL PRODUCT

A written text or notes in which you put together the information you got.

We will need your notes on Friday ⇒ make sure you bring them.

Make sure you address all the points in « GOALS ».