Please read the entire document before you start!

Today you are going to learn about binary code. Why? Because binary code is how computers operate!

**Part 1**

Learn the binary basics from the following video.

<https://thekidshouldseethis.com/post/how-exactly-does-binary-code-work>

On your own paper, please define 5 words which were new to you.

**Part 2**

Please use the following video to learn how to convert from decimal to binary.

<https://www.youtube.com/watch?v=hvteVokz7jE>

On your paper answer the following:

What is a bit?

What is a byte?

Please write your age *in binary*.

What is 10110 as a decimal number?

**Part 3**

Please use the following video to learn how to convert letters to binary.

<https://www.khanacademy.org/computing/computer-science/how-computers-work2/v/khan-academy-and-codeorg-binary-data>

Please translate your first name or last name (whichever name is shorter – if there is a tie in the number of letters, you choose) using binary code.



Good luck with binary numbers & binary text!