

Below is the reference link to an excellent article on Data Representation. It includes very clear explanations on topics like signed two's complement, IEEE 754 floating point scheme, and character encoding. I would say it is a must read if you are not familiar with these topics.

<http://www.ntu.edu.sg/home/ehchua/programming/java/DataRepresentation.html>

Below is also another link that discusses some basic computer science stuff. One of the links there talks about signed two's complement scheme. If needed, you can take a look at it too.

<https://users.cs.duke.edu/~raw/cps104/TWFNotes/html/twoscomp.html>