# 2.6 Data Representation

# Lesson 2 - Characters

Green – Easier challenges

Orange – Medium challenges

Red – Medium challenges

1. Create a Poster on the difference between ASCII and Unicode.
2. Reference should be made to the following:
	1. Origins
	2. Give examples of where each set would be used
	3. Number of bits
3. Create your own kind of Coding System in Binary for the English Alphabet.
4. Code a message using this and send it to a friend to decode using your ‘code’.

Essay on why Extended ASCII is used.

* Students to research into the origins of 7 bit ASCII and how as technology developed there was a need to store the code in 8 bits.
* Examples of different ways the 8th bit is used could be discussed.

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