

ASCII Worksheet

1. Use an ASCII Table to decode the following message:

83, 116, 101, 119, 97, 114, 116, 32, 105, 115, 32, 116, 104, 101, 32, 99, 111, 111,
108, 101, 115, 116, 33

2. Encode your first and last name in ASCII

3. Convert the following numbers to decimal, then use the ASCII table to determine the letters they represent:

01010011

01101000

01101001

01110000

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4. Decode the following table:

Letter	ASCII code	Binary value
	78	
		01001111
	32	
		01000110
		01001001
	83	
		01001000
	32	
		01010000
		01001100
		01000101
	65	
		01010011
	69	

5. Write a secret message:

- Using the ASCII chart, lookup the decimal values for each letter and write it down in a series
- Don't forget the spaces between your letters
- Convert the decimal values to binary using the process we've already practiced
- Record your encoded message in 8-bit groups (bytes) on a separate piece of paper, one byte per line
- Give your encoded message to a friend and have them decode the message into text