

## ASCII CHART

Character	Decimal Number	Binary Number	Character	Decimal Number	Binary Number
blank space	32	0010 0000	^	94	0101 1110
!	33	0010 0001	-	95	0101 1111
“	34	0010 0010	`	96	0110 0000
#	35	0010 0011	a	97	0110 0001
\$	36	0010 0100	b	98	0110 0010
A	65	0100 0001	c	99	0110 0011
B	66	0100 0010	d	100	0110 0100
C	67	0100 0011	e	101	0110 0101
D	68	0100 0100	f	102	0110 0110
E	69	0100 0101	g	103	0110 0111
F	70	0100 0110	h	104	0110 1000
G	71	0100 0111	i	105	0110 1001
H	72	0100 1000	j	106	0110 1010
I	73	0100 1001	k	107	0110 1011
J	74	0100 1010	l	108	0110 1100
K	75	0100 1011	m	109	0110 1101
L	76	0100 1100	n	110	0110 1110
M	77	0100 1101	o	111	0110 1111
N	78	0100 1110	p	112	0111 0000
O	79	0100 1111	q	113	0111 0001
P	80	0101 0000	r	114	0111 0010
Q	81	0101 0001	s	115	0111 0011
R	82	0101 0010	t	116	0111 0100
S	83	0101 0011	u	117	0111 0101
T	84	0101 0100	v	118	0111 0110
U	85	0101 0101	w	119	0111 0111
V	86	0101 0110	x	120	0111 1000
W	87	0101 0111	y	121	0111 1001
X	88	0101 1000	z	122	0111 1010
Y	89	0101 1001	{	123	0111 1011
Z	90	0101 1010		124	0111 1100
[	91	0101 1011	}	125	0111 1101
/	92	0101 1100	~	126	0111 1110
]	93	0101 1101			

## ASCII EXERCISES

### *Summer in JAPAN 2016: Computer Science Workshop*

1.) Convert each ASCII decimal number into a letter/character.

<i>ASCII</i>	<i>Letter</i>
67	C
116	
36	
98	
90	

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2.) Write your name in binary! Capitalize the first letter. Use the chart.

*Example:*

| **S** | **t** | **e** | **v** | **e** |  
| **01010011** | **01110100** | **01100101** | **01110110** | **01100101** |

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3.) Decipher this message by converting the ASCII decimal number into letters/characters.

| **72** | **101** | **108** | **108** | **111** | **32** | **83** | **73** | **74** | **33** |

*Bonus: Convert the message into binary!*

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4.) Evaluate these Boolean expressions with either True or False.

	<i>True or False?</i>
a < g	C
B > o	
s < h	
M > R	