

#RainbowTrail

A Coding & Coloring Activity

What is Binary Code?

Binary code is the simplest numbering system. It can have only two values: 0 or 1. Computers don't understand English or any other language we normally speak. They understand the binary code.

For example: If we have to save the word **HELLO** on the computer, it would save the following 8 digit code for each letter.

- H: 01001000
- E: 01000101
- L: 01001100
- L: 01001100
- O: 01001111

Steps to do this:

- Figure out the color names by finding each letter from the Binary Codes page.
- Write the colors in the Color Sheet.
- Once you have all the colors, check the number alongside it.
- Fill the colors in the sketch, as per the numbers written.

Binary codes for the English alphabet (A - Z)

A 01000001	B 01000010	C 01000011	D 01000100
E 01000101	F 01000110	G 01000111	H 01001000
I 01001001	J 01001010	K 01001011	L 01001100
M 01001101	N 01001110	O 01001111	P 01010000
Q 01010001	R 01010010	S 01010011	T 01010100
U 01010101	V 01010110	W 01010111	X 01011000
	Y 01011001	Z 1011010	

Color sheet

1

0100010

01001100

01010101

01000101

2

01011001

01000101

01001100

01001100

01001111

01010111

3

01010000

01001001

01001110

01001011

4

01000111

01010010

01000101

01000101

01001110

5

01001111

01010010

01000001

01001110

01000111

01000101

6

01010111

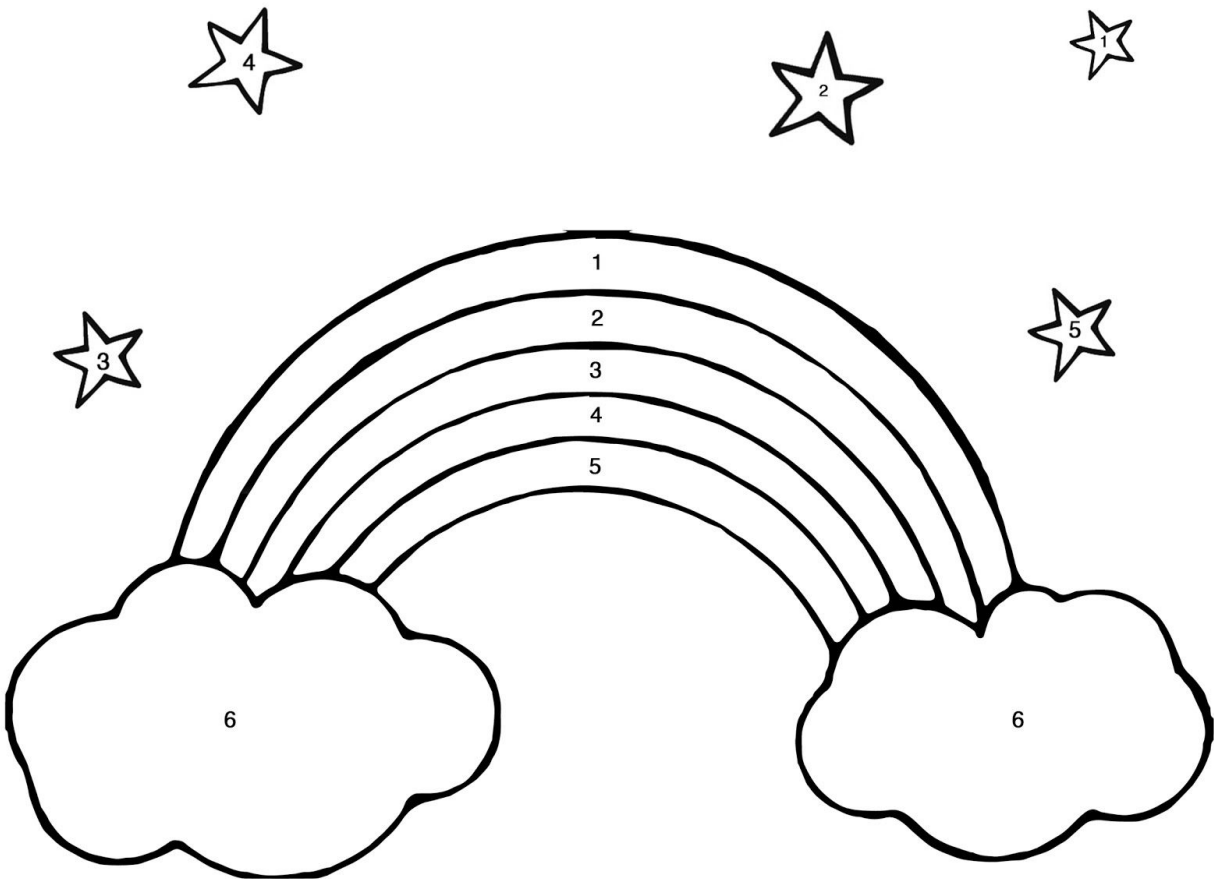
01001000

01001001

01010100

01000101

Your Name: _____



#StayHomeSaveLives