

Create a Möbius Strip, the scientific symbol for infinity



What you need:

Paper
Scissors
Sellotape
Pen or Pencil

How to make a Mobius Strip

- Cut about a two-inch wide strip of paper from your full sheet and lay it out in front of you so that the long side of the paper is laying horizontally.
- Write the letter “A” at the top-left corner of this strip, the letter “B” at the bottom-left corner, the letter “C” at the top-right corner, and the letter “D” at the bottom-right corner.
- Hold the strip of paper in front of you. Now twist it one-half a turn so that the letters “A” and “B” on the left still face you but the letters “C” and “D” on the right now face away from you.
- Bring the two short edges of your twisted strip together and tape them to make one long twisted loop. Corner “B” should match up with corner “C” and corner “A” should match up with corner “D”.

Experiment with infinity!

The Möbius strip has only one side

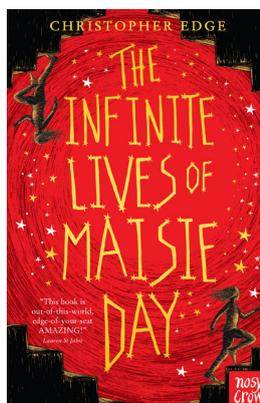
To show it really only has one side, put a pencil on a spot anywhere along the strip and keep drawing in one direction. You will end up where you started.

The Möbius strip has only one edge

Colour the edge of the strip with a highlighter. Take a highlighter and start colouring the edge of the Mobius strip without lifting the highlighter from the strip. Continue with the marker until you reach the point at which you started. You’ll find both edges are coloured. This indicates that the Mobius strip has only one edge!

Share your Möbius strip!
@NosyCrowBooks
#MaisieDay

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Write your name in binary code!

What is binary code?

Binary code is how computers talk and store information, it is used in nearly all electronics from calculators to digital TVs and mobile phones. Binary code is based on a base-two number system which means it uses only two numbers, "0" and "1".

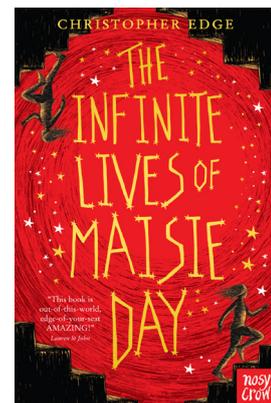
My name in code is...

Remember to leave a small gap between each set of code!

Character	Binary Code	Character	Binary Code
A	01000001	a	01100001
B	01000010	b	01100010
C	01000011	c	01100011
D	01000100	d	01100100
E	01000101	e	01100101
F	01000110	f	01100110
G	01000111	g	01100111
H	01001000	h	01101000
I	01001001	i	01101001
J	01001010	j	01101010
K	01001011	k	01101011
L	01001100	l	01101100
M	01001101	m	01101101
N	01001110	n	01101110
O	01001111	o	01101111
P	01010000	p	01110000
Q	01010001	q	01110001
R	01010010	r	01110010
S	01010011	s	01110011
T	01010100	t	01110100
U	01010101	u	01110101
V	01010110	v	01110110
W	01010111	w	01110111
X	01011000	x	01111000
Y	01011001	y	01111001
Z	01011010	z	01111010

Crack the code!

Turn to the back of *The Infinite Lives of Maisie Day* – can you read the final page that is written in binary to reveal the secret message?



Share your binary name!
@NosyCrowBooks
#MaisieDay