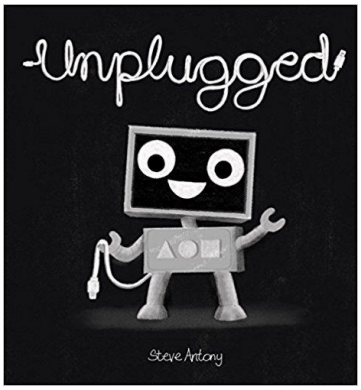
Read & Draw

Featuring *Unplugged* by Steve Antony



Read it: Other titles available in print and/or online through the Gaston County Public Library:

Stories About Robots

Robot Universe by Lynn Huggins-Cooper
Little Robot by Ben Hatke
The Wild Robot by Peter Brown
Rabbit and Robot: The Sleepover by Cece Bell
Monkey and Robot by Peter Catalanotto
Little Robot Alone by Patricia MacLachlan
Ricky Ricotta's Mighty Robot by Dav Pilkey
The Three Little Aliens and the Big Bad Robot by Margaret McNamara

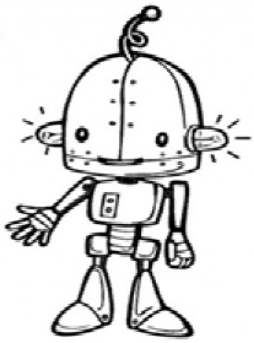
Robot Activities and Facts

Build Your Own Robot Science Fair Projects by Edwin J. C. Sobey
Battling for Victory: The Coolest Robot Competitions by Kathryn Clay
30 Minute Robotics Projects by Loren Bailey
Space Robots by Tony Hyland
How to Draw Robots by Mark Bergin
Make It Yourself: Bots & Circuits by Kelly Coss
How Robots Work by Tony Hyland

Build it: Collect different recyclable items such as cardboard boxes, tin cans, water bottles, cereal boxes, bottle caps, and whatever else you can think of! Use them to build your own robot. What special feature would you give your robot?

Find It

Robot Word Search



N M I N S T R U C T I O N S C Y J D A M

V E U G E A R S C H K Z T C M A X R O W

Q T C O D B H W O Z V Q W O R O B O T F

E A R K R X P I M G F P H N Z T N L G E

L L W J O H R U P O G P E N V J G O E R

E C B P B F P V U S M C E E B J S F N S

C U O N O U R Z T C G R L C R N E M M B

T A L Q T R O S E I L W S T E S U S O A

R S T G I G J O R E X Q I O D F U N T T

O S S R C M E N C N P M D R D A M Q O T

N W E L S M C A O C R Q E S E C J G R E

I N A N W Y T X D E O T Q M F S H R F R

C D E N S M D E I X G E K H O A Z I Y Y

S G U A Z O T K N W R S Z V O R X B P X

V A F F V L R X G R A Y X I C T Y L B D

T E C H N O L O G Y M L H Y B U I L D H

COMPUTER
ROBOTICS
INSTRUCTIONS
CABLES
WIRES
CHIP

CONNECTORS
MEMORY
PROGRAM
METAL
BUILD
TECHNOLOGY

BOLTS
PROJECT
FUN
SCIENCE
CODING
GEARS

BATTERY
MOTOR
WHEELS
ROBOT
ELECTRONICS
SENSOR

Code it: With coding, a specific sequence is programmed for each job a robot does. For example, pretend that pressing the nose button of a robot makes it tell today's weather. When the robot's nose button is pressed, it sends a specific sequence of letters and/or numbers to the robot telling it to speak about the weather.

In this activity, use the coding alphabet on the next page to decipher the messages provided. Each column is a different word. Write the letter that matches each code on the line beside it.
Once decoding of the letters is complete, read each word down to see the message!

After becoming familiar with the codes, try sharing a message with friends or family members to decode!

Message #1

1010010____	1001001____	1000110____
1000101____	1010011____	1010101____
1000001____		1001110____
1000100____		
1001001____		
1001110____		
1000111____		

Message #2

1010000____	1001111____
1001100____	1010101____
1000001____	1010100____
1011001____	1010011____
	1001001____
	1000100____
	1000101____

Message #3

1001001____	1001100____	1001001____	1000011____
	1001111____	1000011____	1010010____
	1010110____	1000101____	1000101____
	1000101____		1000001____
			1001101____

Message #4

1010011____	1000100____
1010111____	1010010____
1000101____	1000101____
1000101____	1000001____
1010100____	1001101____
	1010011____

ASCII BINARY ALPHABET

A	1000001	N	1001110
B	1000010	O	1001111
C	1000011	P	1010000
D	1000100	Q	1010001
E	1000101	R	1010010
F	1000110	S	1010011
G	1000111	T	1010100
H	1001000	U	1010101
I	1001001	V	1010110
J	1001010	W	1010111
K	1001011	X	1010111
L	1001100	Y	1011001
M	1001101	Z	1011010

https://www.mamasmiles.com/stem-fun-for-kids/