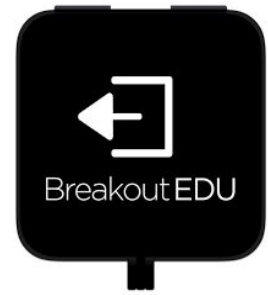


CODE
BREAKER



**LIGHTS
OUT!**

MISSION-- TURN THE LIGHT ON!

USE YOUR TECHNOLOGY SKILLS TO SAVE THE DAY!

CODE,

PROGRAM,

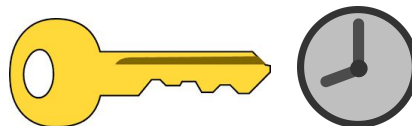
FIND COMPUTER VIRUSES,

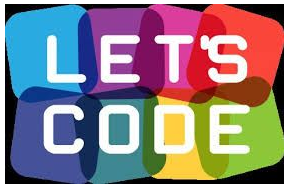
AND RID THE WORLD OF COMPUTER VIRUSES

THE STORY

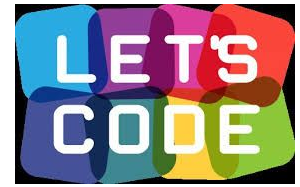
COMPUTERS HAVE CRASHED DUE TO A HARMFUL COMPUTER VIRUS! THE COUNTRY IS GONE DARK! AND NOW, THEY NEED YOU TO TURN THE LIGHTS BACK ON! YOU MUST USE YOUR CODING SKILLS TO UNLOCK THE BREAKOUT BOX SO THAT LIGHT CAN SHINE AGAIN!

Work as a team to solve a variety of challenges. Earn a key or a minute card for each successfully solved challenge!





Meet the Challenges!



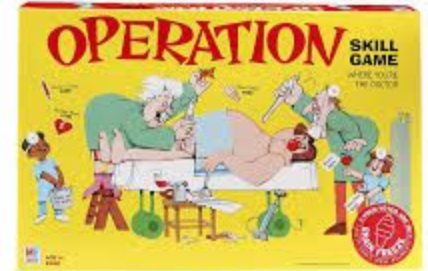
Codepillar



Cubelets



Finding a bug!



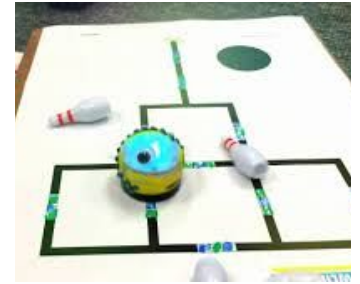
Debugging



Coding Mouse



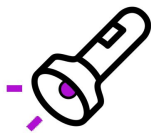
Ozobot



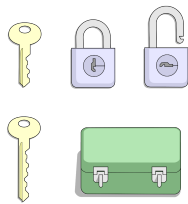
Team Supplies and Materials



HINT CARD
2 Hint Cards



UV Flashlight
1 UV Light



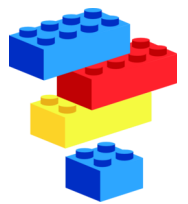
Locks



Challenges



Pencils



Legos



Robots



Minute Cards



School Supplies



Detective Skills



Paper / Journal



Coding Vocabulary

Blockly

A way to code.

bug

An error or mistake in a program that prevents the program from running as expected.

code

The language that programmers create and use to tell a computer what to do.

debugging

Finding and fixing problems.

grit

Trying again and again, even when something is very hard.

programming

Creating directions for the computer to follow.

run program

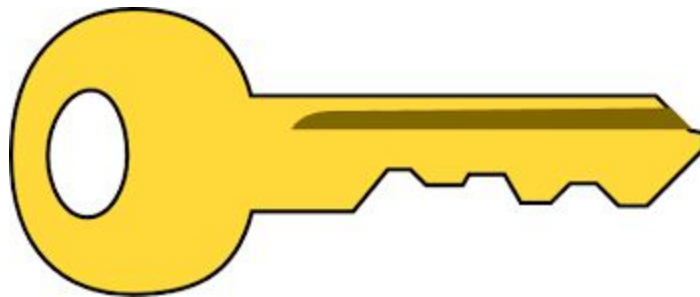
Make the computer to follow your commands.

Codepillar Challenge



Mission

Program the Codepillar to find the key!



Vocabulary

Blockly- *A way to code.*

Code- *language*

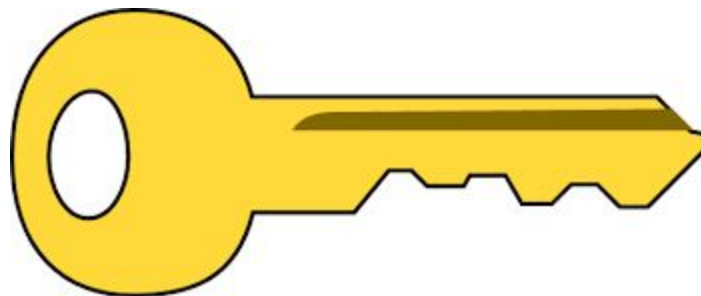
Programming- *directions*



Coding Mouse

Mission

Program the Codepillar to find the key!



Vocabulary

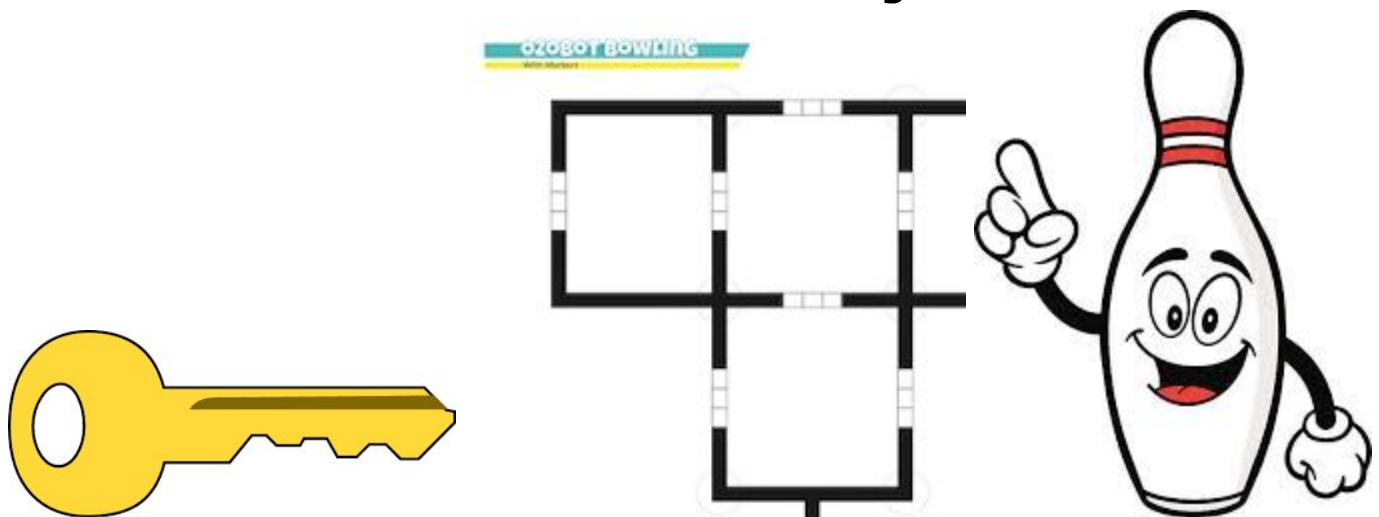
Blockly- *A way to code.*
Code- *language*
Programming- *directions*

Ozobot Challenge



Mission

Program the Ozobot to knock down the pins and earn a key!



Vocabulary

Blockly- *A way to code.*

Code- *language*
Programming- *directions*

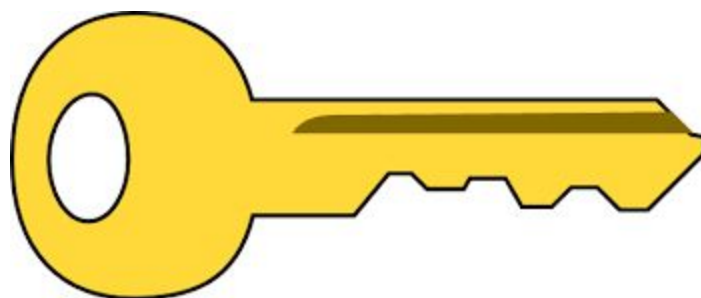
Cubelets



Mission

Complete the Cubelet challenges to earn a key!

cubelets

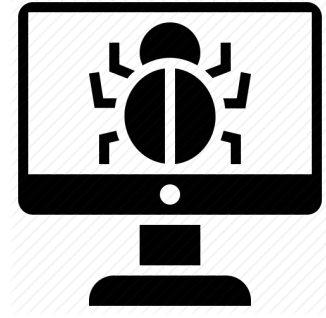


Vocabulary

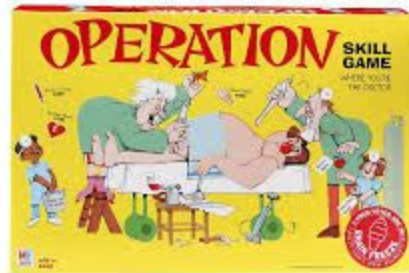
Code- *language*

Programming- *directions*

Finding a Bug (Virus)!



Mission



Use the flashlight to find the bug(virus)! Then, operate to earn a minute card!



Vocabulary

Bug- *an error or mistake in a computer program*

Debugging- *fixing a problem*

Debugging (Virus)!



Mission



Debug the Perfection game by putting the puzzles pieces in the right spot and earn a minute card!



Vocabulary

Bug- *an error or mistake in a computer program*

Debugging- *fixing a problem*

Light the energy Stick!



Mission



**Hold hands together to light the energy stick
and BREAK OUT!**



Vocabulary

Grit—*Trying again and again, even when something is very hard.*

WE BROKE OUT!



BreakoutEDU



#BREAKOUTEDU

