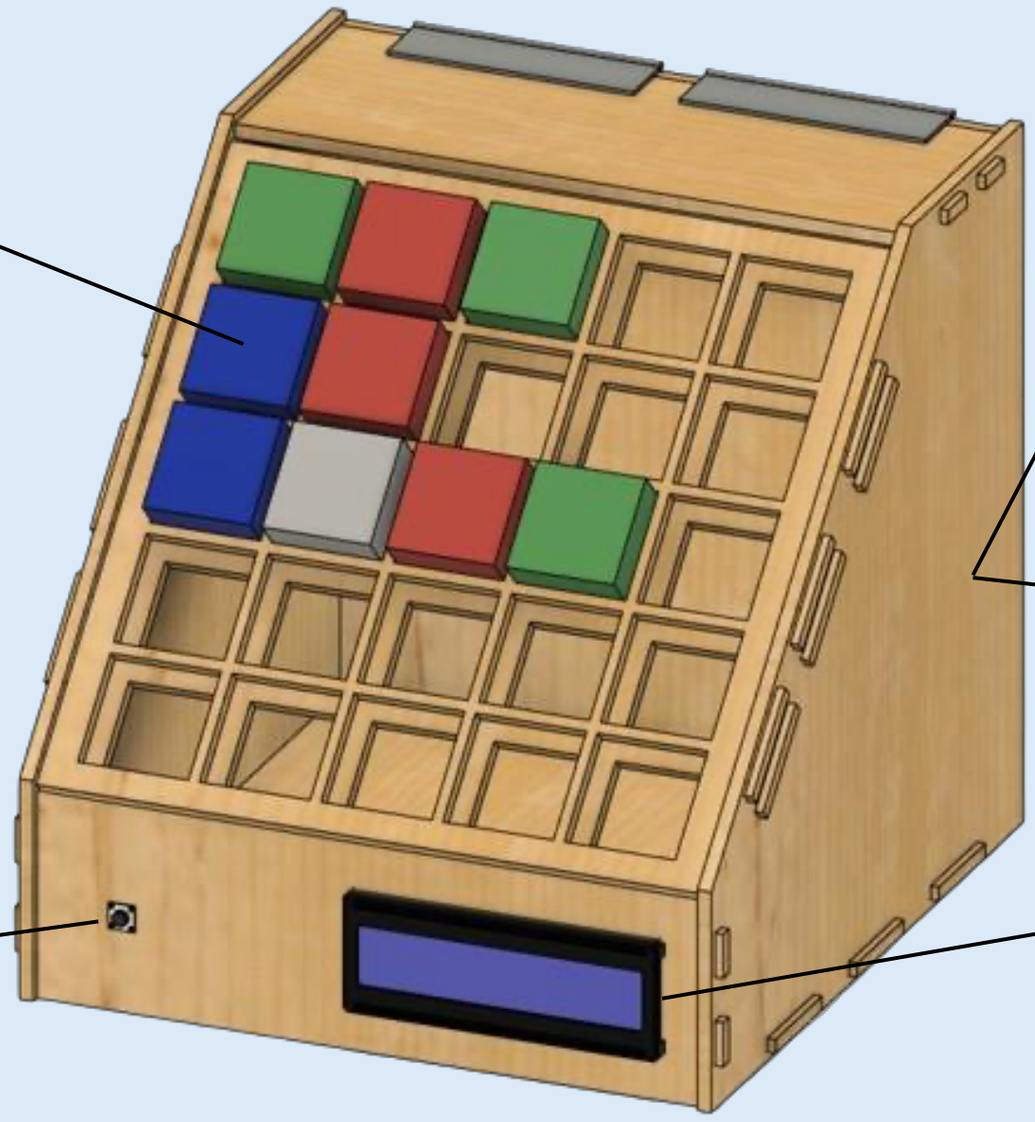
CODE BLOCKS

Problem
Learning programming can be challenging because of its complexity the abundance of text in programming. This is particularly true for children or people who get tired when reading lots of text.

Solution
By breaking down lines of code into smaller blocks, commands and variables become easier to read and manipulate. Our customizable approach maintains complexity without sacrificing clarity.

Code Blocks
Each block holds a custom QR code that stores a piece of code. Blocks are ideally colored by type, but that's your choice to make.



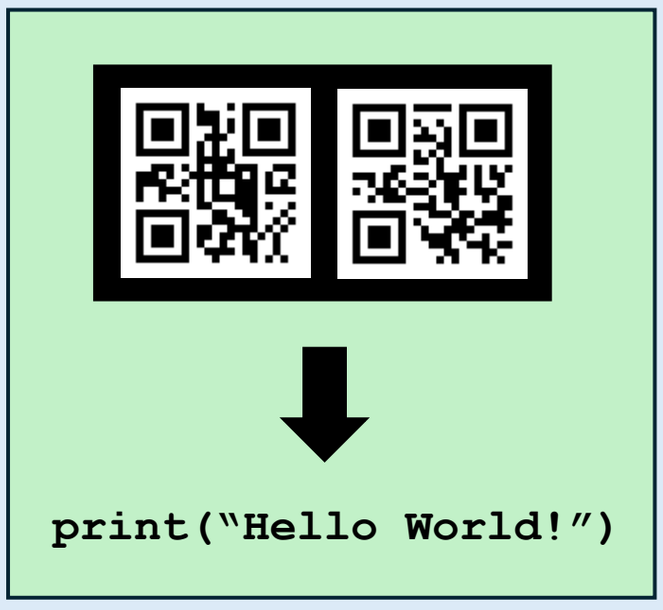
Start Button
Runs the program when pushed.

Camera
Reads the QR codes on the bottoms of the blocks.

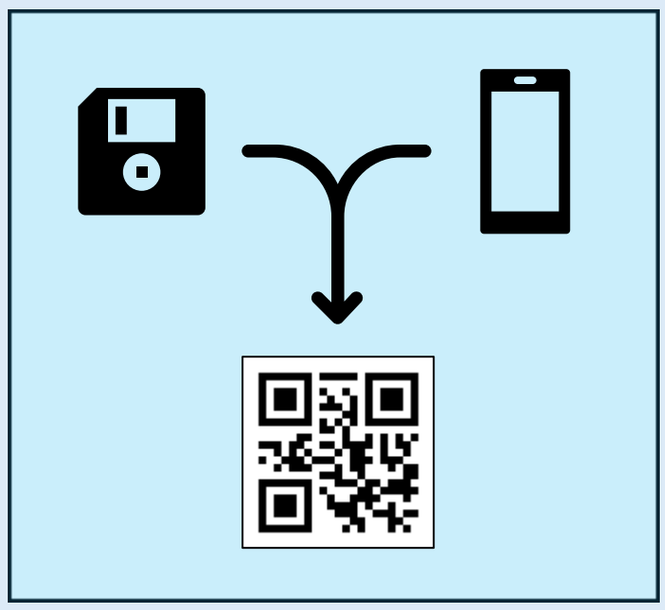
Raspberry Pi 4
The brain of the whole device. Turns your blocks into code.

LCD Display
Outputs whatever your program tells it to. Who knows what you'll make?

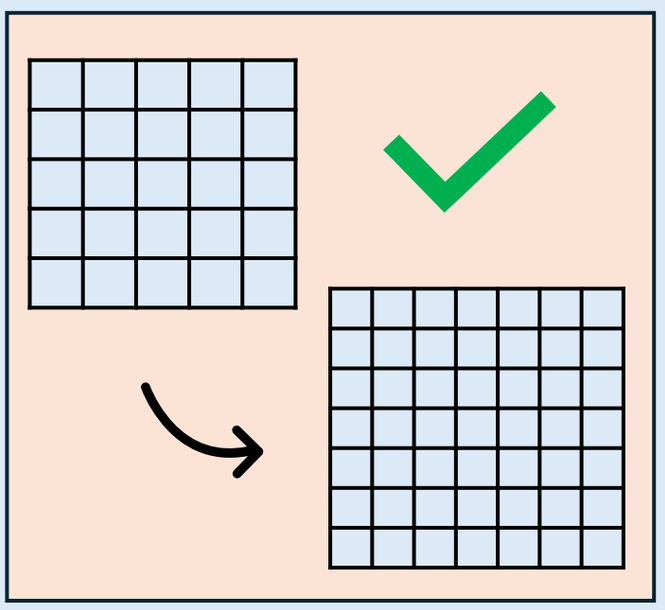
WHAT CAN IT DO?



Runs Python code created from your arrangement of blocks



Make new functions from device memory or phone



Usable with larger grids

BDM Educational Products

"Building wheels for the engine of creation."

Head of Production: **Bill Li**
Head of Design: **Dwayne Ong**
Head of Programming: **Mitsuki Nakajima**