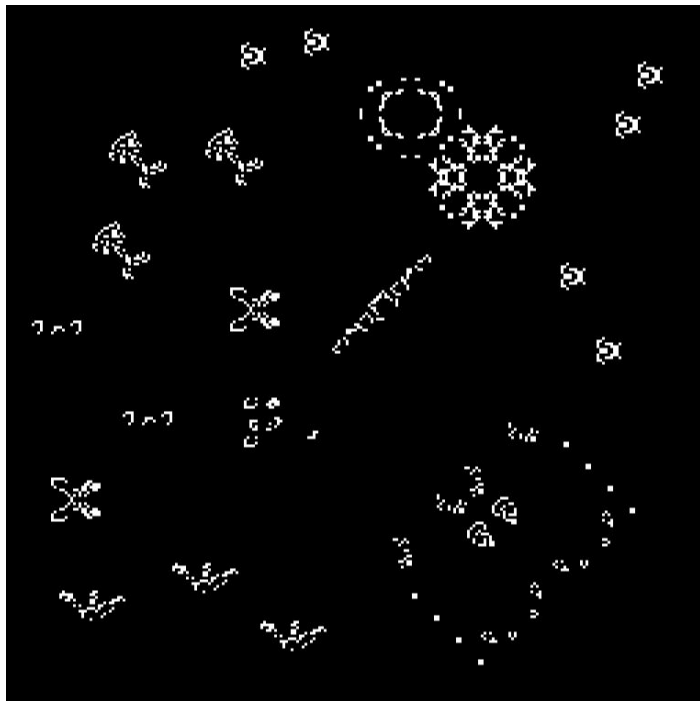


Creative Coding Final Project

Ashley Deosaran

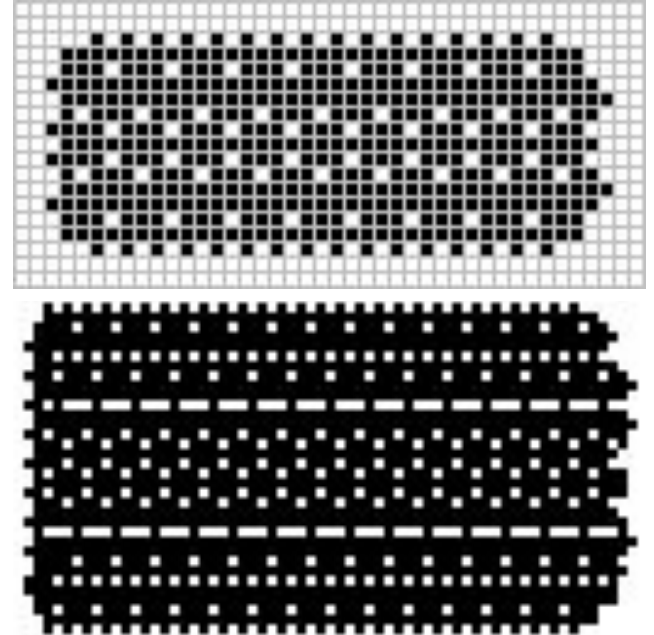
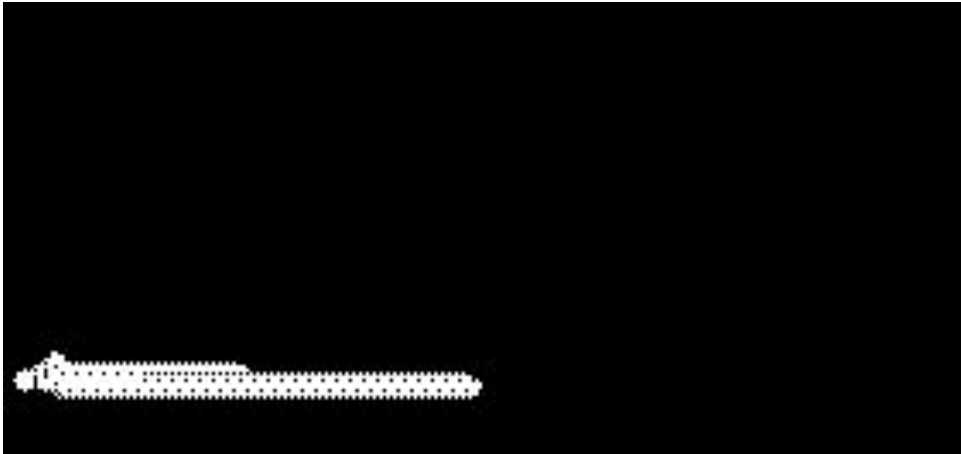
Conway's Game of Life

- Rules
 - Any live cell with fewer than two live neighbours dies
 - Any live cell with two or three live neighbours lives on to the next generation.
 - Any live cell with more than three live neighbours dies
 - Any dead cell with exactly three live neighbours becomes a live cell
- Variations of the original
 - Brian's brain
 - Life without death
 - Color Variants



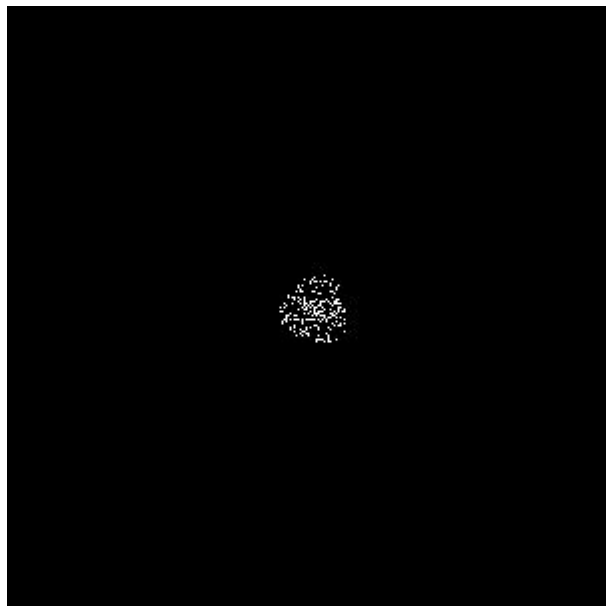
Life Without Death

- Live cells never die
- Dead cells are born if they have exactly 3 live neighbours
- Made of still lifes (non moving patterns)



Brian's Brain

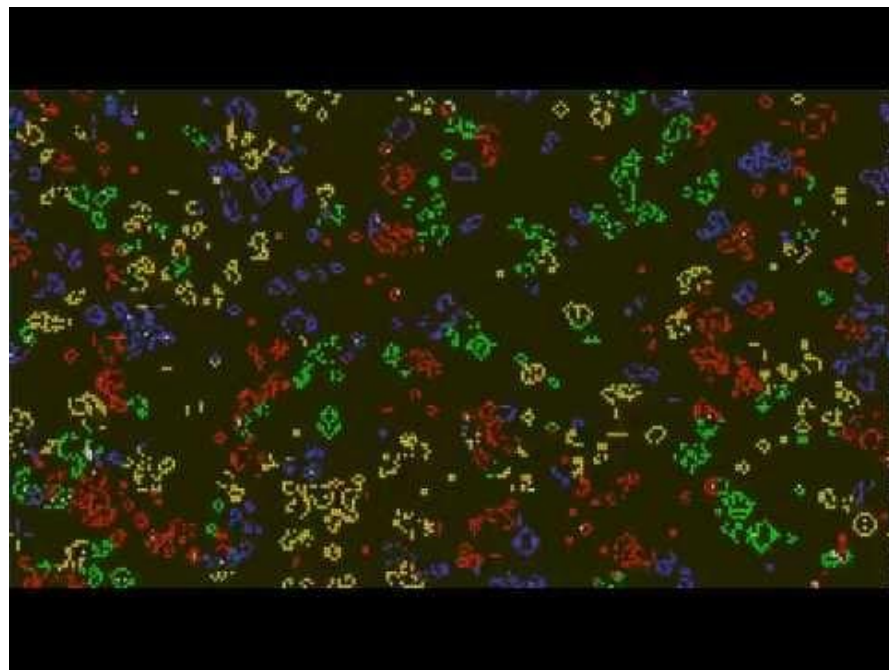
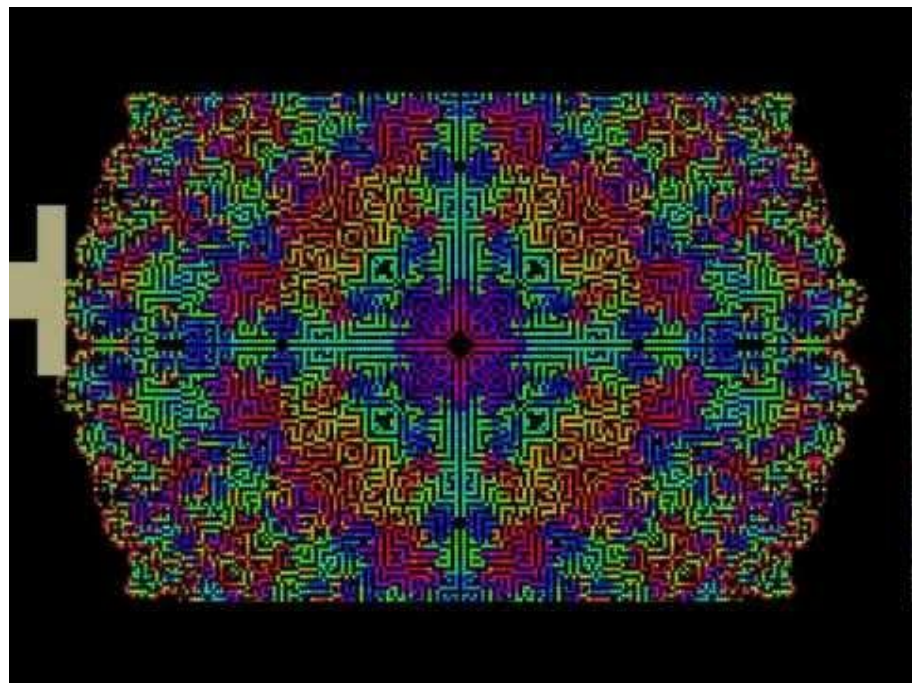
- Builds off of the Seeds generation rule
 - Dead cells with exactly two live neighbors will turn into live cells on the next generation
- Instead of dying immediately it will move to a state of dying
 - It will die in the next generation
- Has mostly oscillators (moving patterns)



Color Variants

- Cyclic Cellular Automata
 - Whenever a cell is neighbored by a cell whose color is next in the cycle, it copies that neighbor's color--otherwise, it remains unchanged.
- Rational colorizations
 - When a child is born, its color is simply the average color of its parents.
- Color by number of neighbors or state



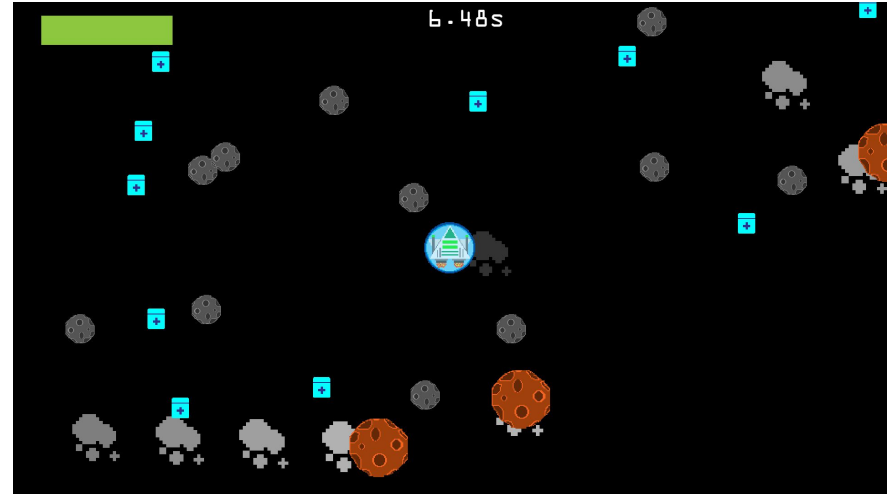


P5.play Library

Asteroid Survivor

Recreate Asteroid Survivor in P5.js

- Make it playable in a web browser
- Add more features to the game



Platformer Game

- Recreate the platformer
- Add new levels

