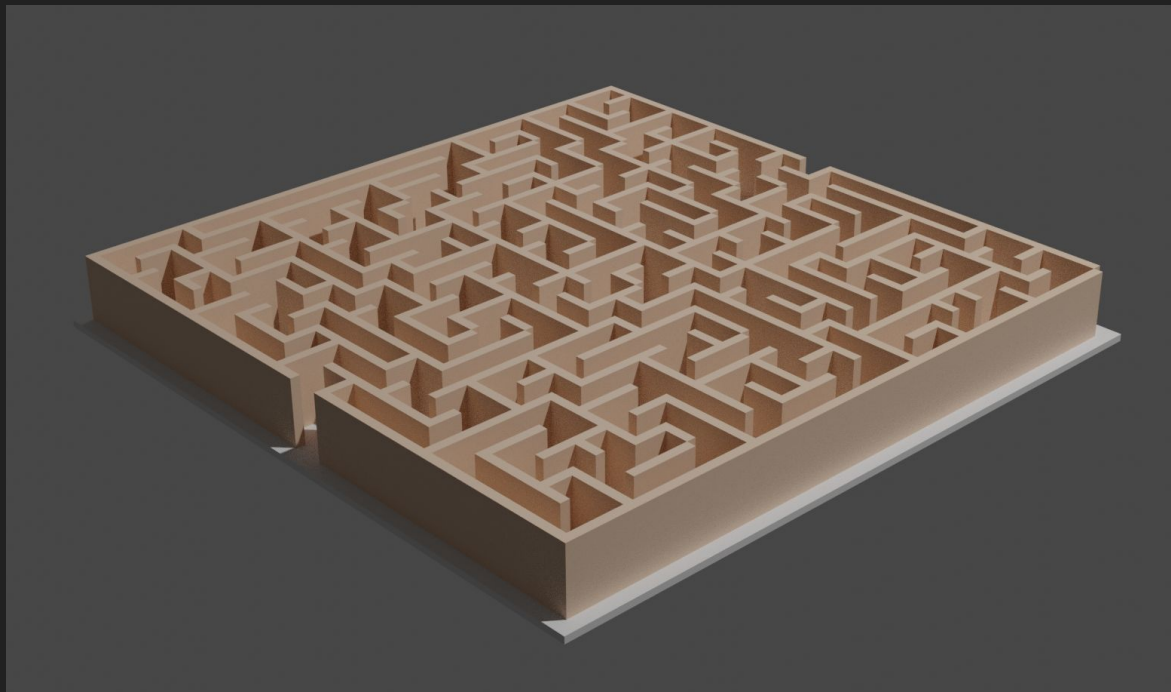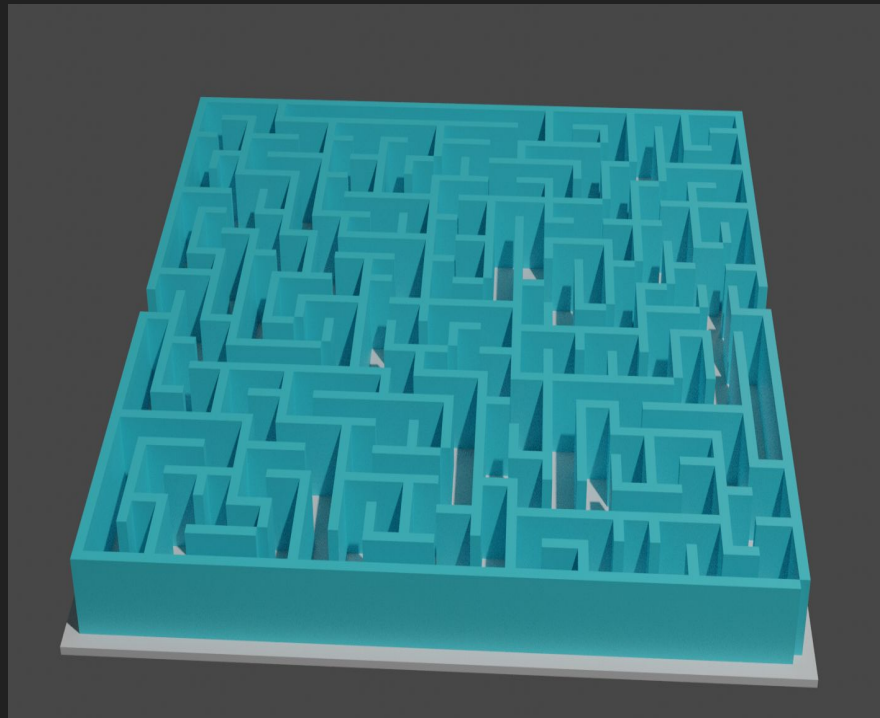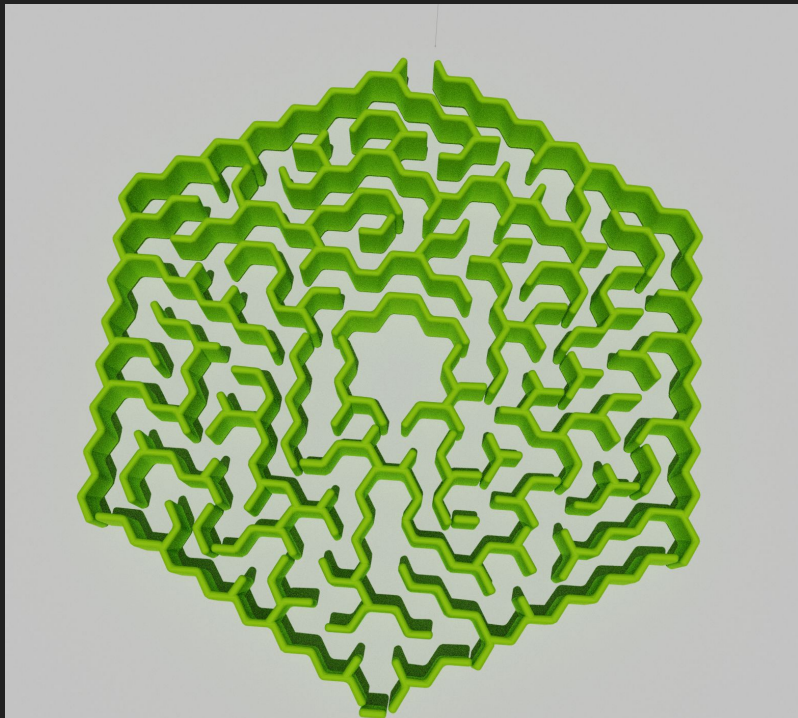# A Maze of Culture

Description

Our idea is to make a maze that has two joysticks that control the tilt and pitch of the maze. One user controls tilt and the other controls the pitch and their primary goal is to get a small ball to the end of the maze through teamwork.
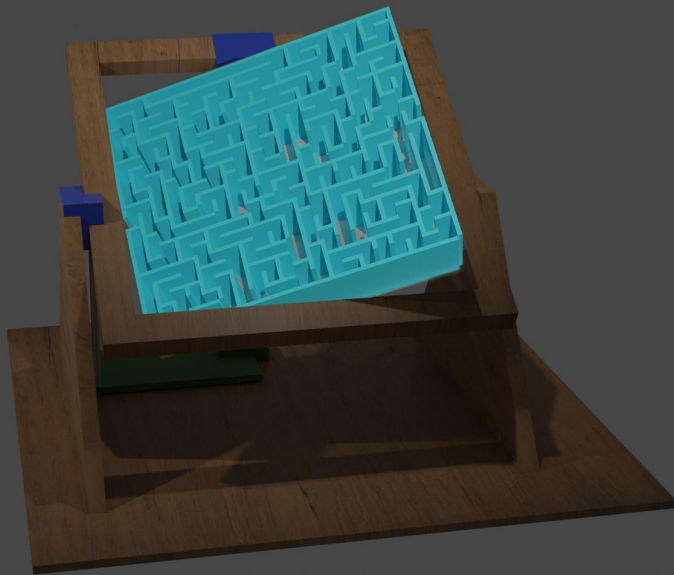
Maze sketches

Maze sketches

Sketches

Art sketches

(Possible theme) Merged skylines: UdeA and Purdue

We aim to symbolize our cultural encounter in OpenEstudio by wandering through an imaginary city-maze; one that combines the representative architecture of both our alma maters and cities.

Art sketches

We would like to integrate references to the biodiversity (specially the trees) of the two universities. Our plan is for both trees and buildings to be part of the streets our imaginary city, and thus of our maze.

Art sketches

To decorate the frame and the base we will combine some images and figures that symbolize of our journey, as 3D prints and sticker drawings.

Technical Requirements

- What needs to be 3D printed
  - Maze
  - frame for the maze
  - Some figurines and decorations

- What needs to be laser cut from wood
  - Legs holding the motors

- Arduino
  - Programming
  - Wiring

Team Members & Roles

Em Jennings: laser cutting sketches; 3D modeling for 3D printing

Geraldine: Maze sketches, art illustrations for sticker printing

Mark Hinkle: Programming and Construction

Juan: 3D modeling and construction

Budget

3D printing - 12x12 inches

HATCHBOX PLA 3D Printer Filament $24.99

Cardboard for outer frame - free from amazon packages

VIBE INK Bundle of Blank White Yard or Lawn Rider Signs 24" x 6" $17.99

Unfinished Wood, 15 Pack Wood Sheets, Balsa Wood Thin Craft Wood Board for House Aircraft Ship Boat Arts and Crafts, School Projects, Wooden DIY Ornaments (150x100x2mm) $12.99

Art - sticker texture