Storyboard Calendar

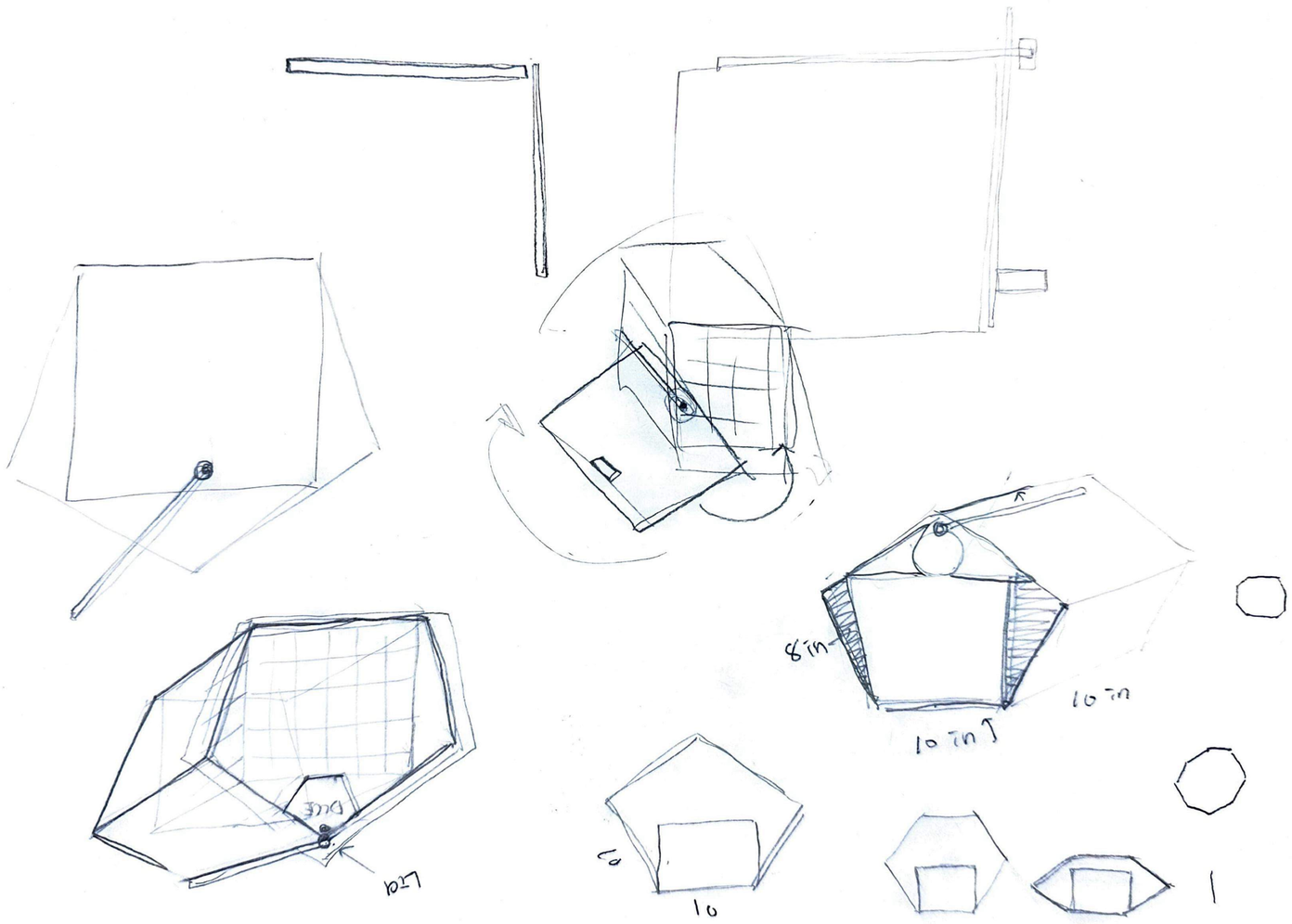
Medium:
Mixed media sculpture

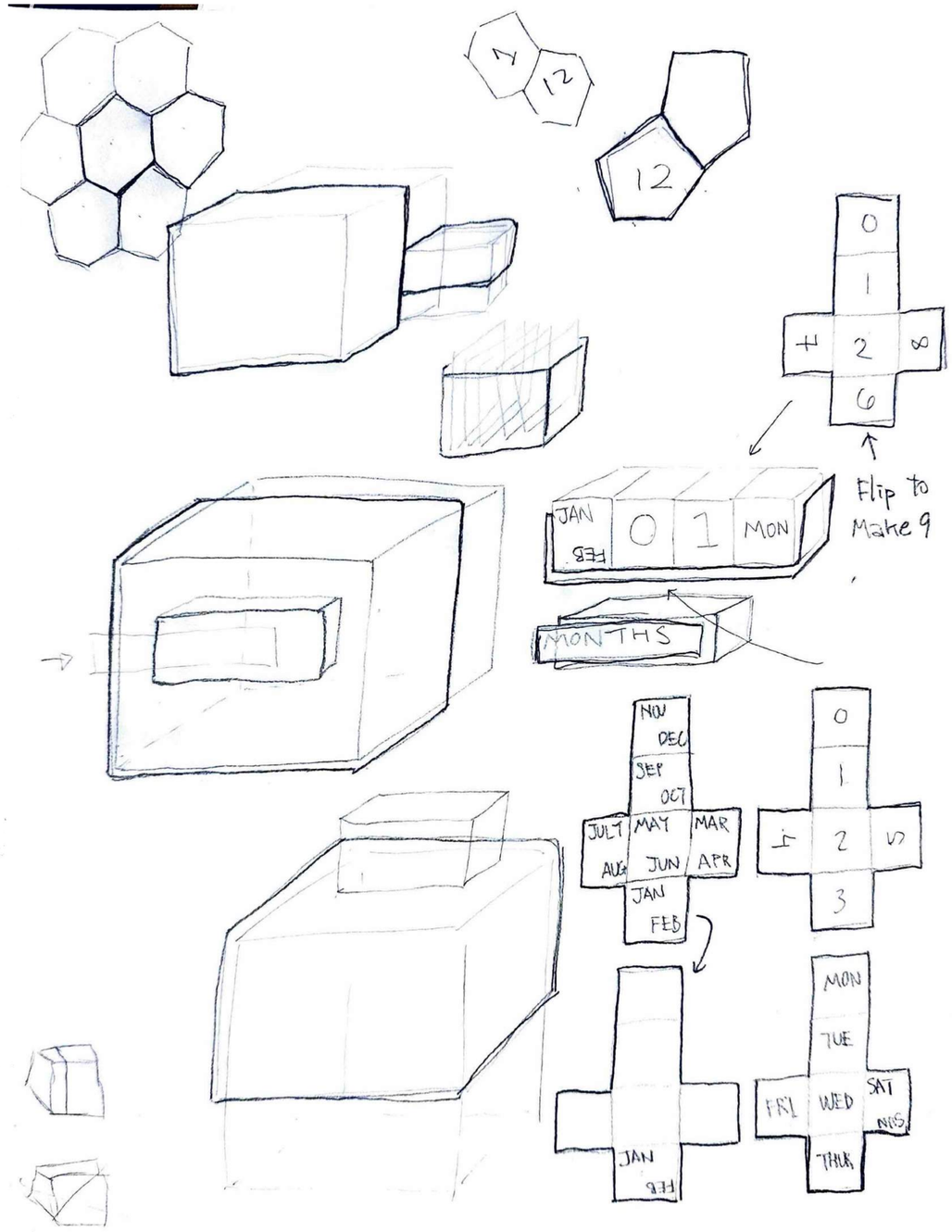
3D printed PLA, acrylic sheets, faux moss, paint, wood

Contribution:
Individual Work

This project is a sculptural calendar designed to visualize time and storytelling in a modular, physical form. Housed within a pentagon-shaped structure, cubical compartments represent each day of the month, allowing users to insert or rotate small dice-like blocks that display daily scenes, ideas, or events—like storyboarding in 3D space.

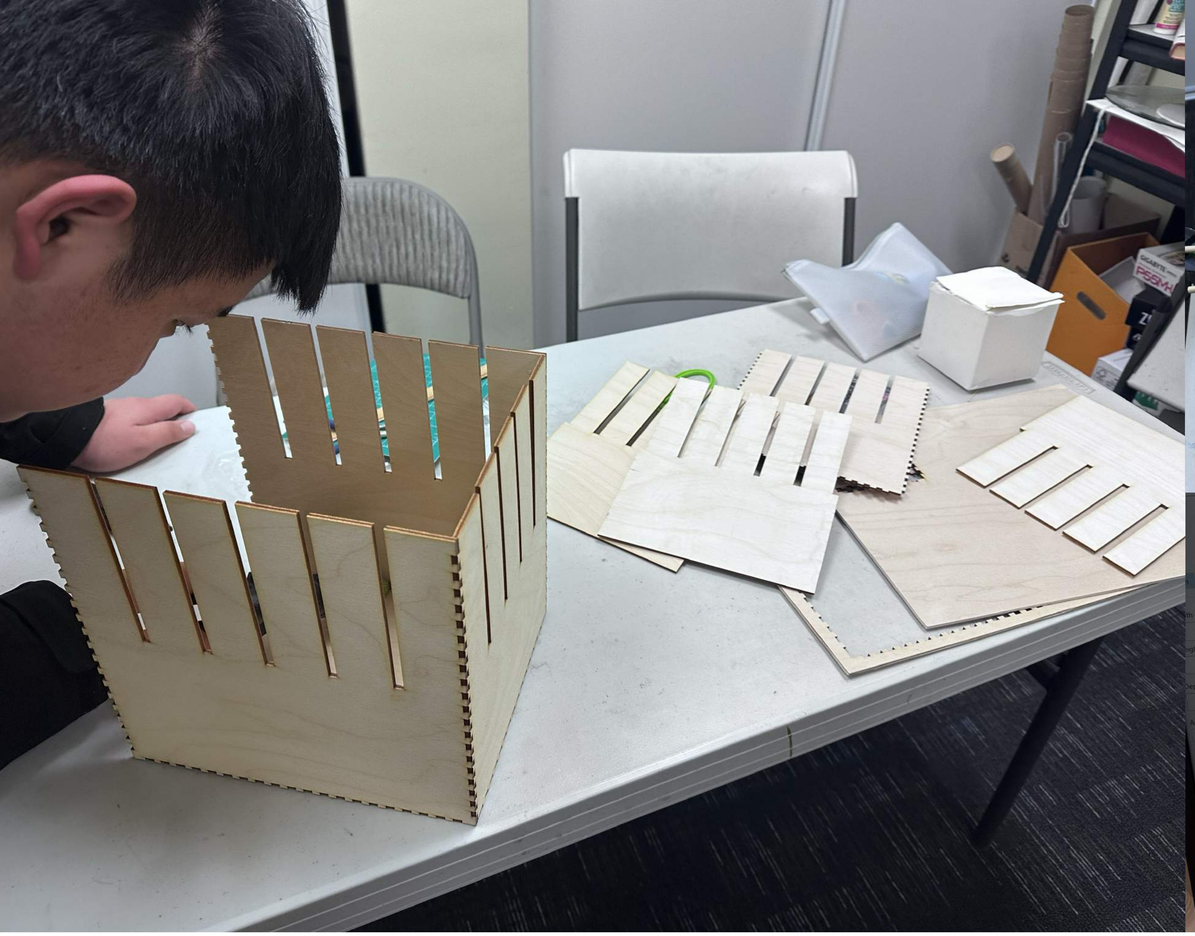
The form blends architecture and design thinking, echoing a miniature archive or dwelling for memory. Each slot functions as both container and canvas, inviting tactile engagement and personal narrative tracking.

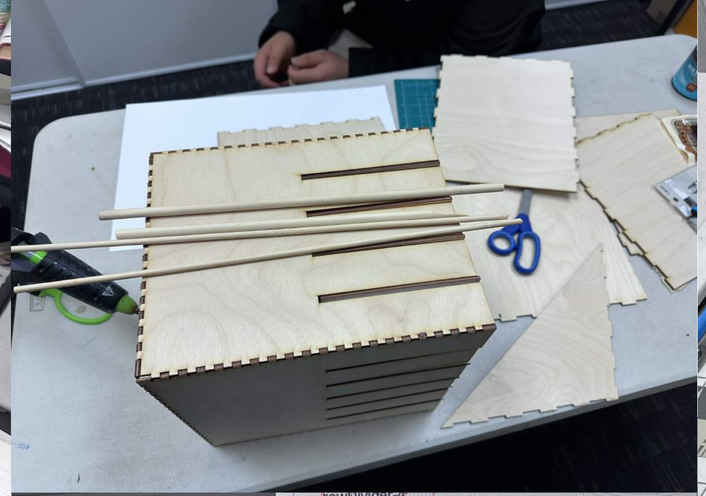


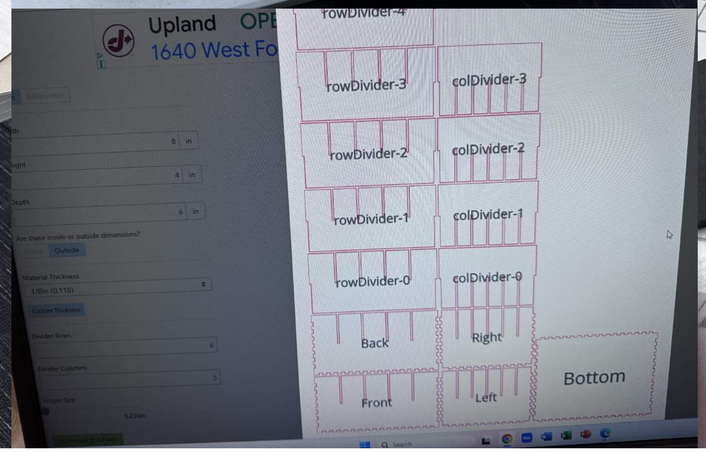


WORKING PROCESS CONCEPT DEVELOPMENT

This project began with sketches exploring the structure, function, and visual form of the storyboard calendar. Early drawings established the pentagon-shaped frame, the internal grid layout and the interchangeable dice system for displaying months (12 sided dice). Measurements and proportional studies ensured the design would be structurally stable and visually balanced.







WORKING PROCESS FABRICATION

With the finalized design, the fabrication process began by translating the hand-drawn plans into precise digital files for laser cutting. Plywood sheets were cut to form the main panels, each designed with interlocking slots for the grid dividers. The divider system was cut into evenly spaced strips, allowing for a uniform 6×5 compartment layout (**Makercase** https://www.makercase.com/). After that I careful sanding and edge alignment ensured a smooth fit during assembly.

The grid was constructed first, locking each vertical and horizontal divider into place. This internal structure provided rigidity for the outer frame, which was then assembled around it. The pentagon-shaped front and back panels were attached last, securing the grid inside the housing. This process required repeated dry-fitting to maintain structural accuracy and avoid warping.

WORKING PROCESS
FINISHING & ASSEMBLY

The finishing phase focused on integrating functional and visual elements into the calendar. To represent the 12 months, I sourced a 1**2-sided dice model** from ***Thingiverse*** and adjusted its dimensions in **Bambu Studio** to fit the scale of the calendar. The dice were printed on a **Bambu Carbon X1 3D printer** using **PLA filament** in a wood-tone color to match the plywood structure, creating a cohesive aesthetic between the printed components and the wooden frame.

In addition to the dice, I prepared decorative front panels and black acrylic accents to define the edges and create visual contrast. All components were hand-fitted and aligned to ensure smooth interaction when rotating or replacing the dice. This final stage brought together the tactile, sculptural quality of the piece with its organizational function, resulting in a fully realized storyboard calendar.

FINAL OUTCOME