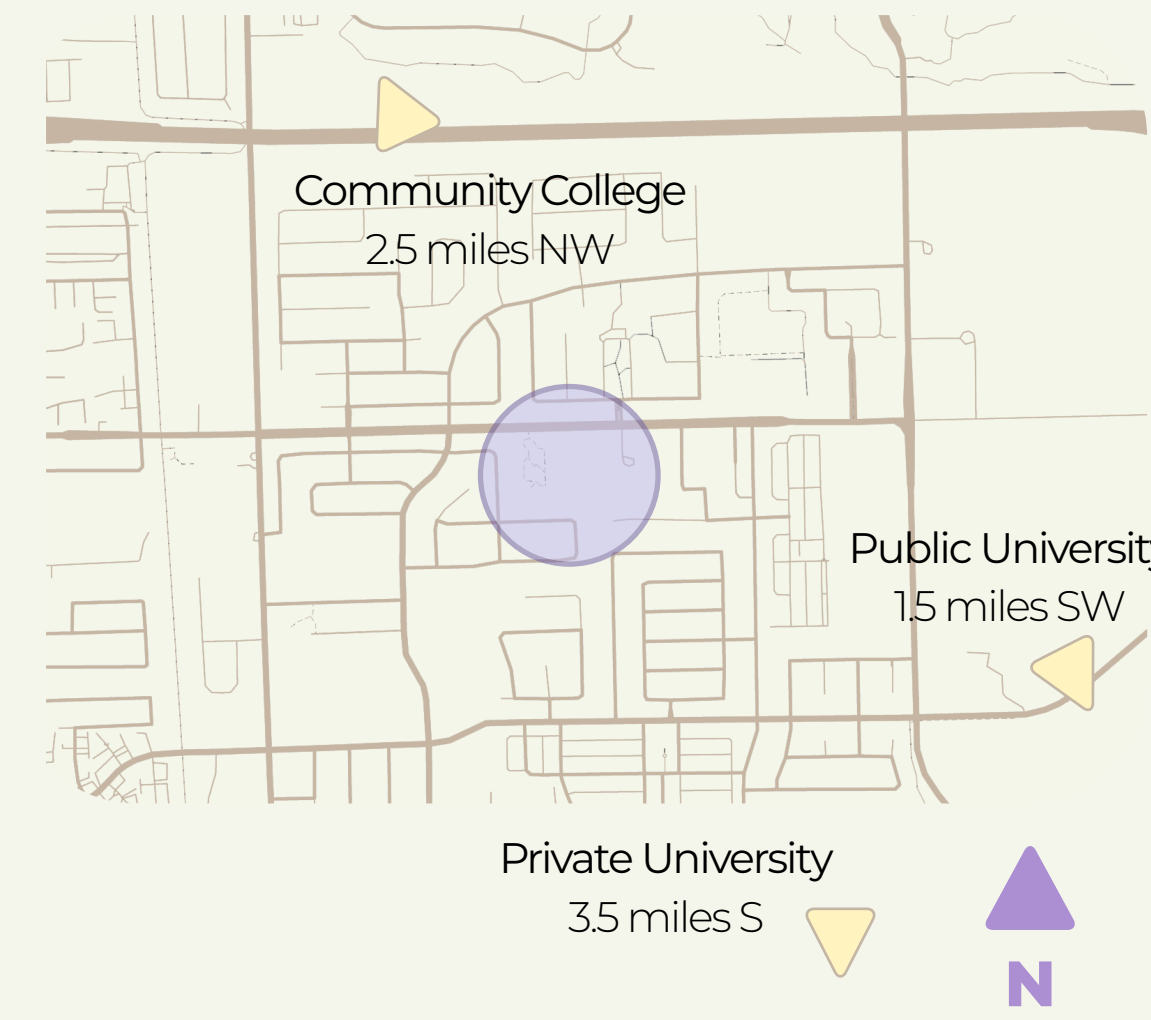


# CONTEXTUAL VARIABLES IS-WEL CONNECTION



Contextual variables shape wellness by influencing the way CORE integrates sustainability, inclusivity, and community engagement at both individual and institutional level

The local community nature area is positioned between three higher education institutions, supporting interdisciplinary learning, research collaboration, and community engagement

## LOCATION + SITE CONTEXT

### LOCAL COMMUNITY NATURE AREA

Total Area: 5.5 acres

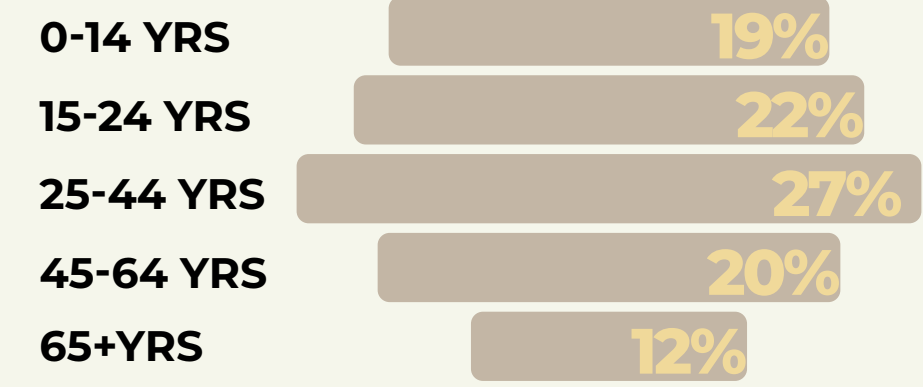
- Near several residential neighborhoods
- Walking & Biking Trails
- Location chosen based on an interview conducted with the Leader of the Local Beekeeper Association

## COMMUNITY + CULTURAL CONTEXT

### 3 PRIMARY USER GROUPS

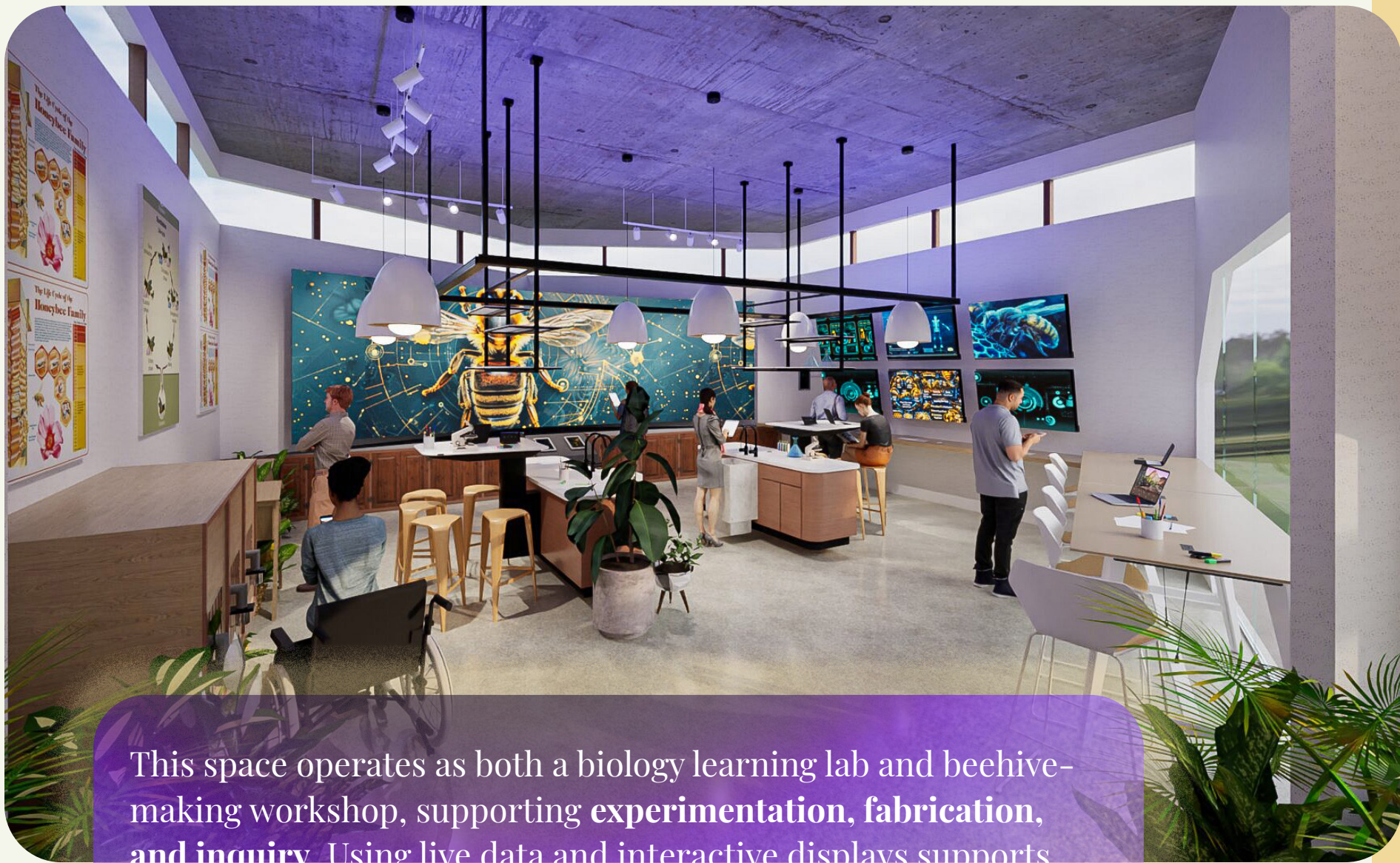
- Classroom & learning facilitators, instructors
- Active Learners, makers, and students
- Community members, visitors, and event attendees

AGE DISTRIBUTION



# BIOMONITORING LEARNING STUDIO

CREATIVE & ESSENTIAL SELF



This space operates as both a biology learning lab and beehive-making workshop, supporting experimentation, fabrication, and inquiry. Using live data and interactive displays supports a supermind approach, where human observation and digital intelligence operate in harmony. Using wood finishes for warmth and concrete flooring for durability, this space supports active learning while maintaining lab-grade performance.

## FUNCTION 01

### COGNITIVE MODE

CREATIVE & ESSENTIAL SELF

**Observe + Learn:** data analysis, hive monitoring, microscopy, biology learning, identification of patterns and systems thinking

**Reflect:** human and bee ecological connection and interpretation



Langstroth, top-bar, and ADA accessible hives for inclusive learning and beekeeping instruction

## FUNCTION 02

### ACTIVE MODE

CREATIVE SELF

**Engage:** active lab investigations, biology experiments

**Construct:** beehive fabrication and repair, safe beekeeping tool use



### ADA INCLUSIVE LAB TABLES

- height adjustable work station
- Formica: TRESPA® TopLab® Plus laminate used for cleanability and sustainable features

# APIARY COURTYARD

ESSENTIAL & COPING SELF



**Integrated Technology:** retractable roof featuring seasonal adaptability, controlled access, thermal regulation, and visual transparency

**Environmental Stewardship:** physical movement + belonging through intentional care of living systems



**APIARY** | a designated area where beehives are kept and managed for the care, study, and cultivation of honeybees

a living learning environment where bees, humans, and data coexist representing collective care, ecological awareness, and holistic wellness

**CONSIDERATIONS** | hives situated in a semi-circle, facing away from the walkway

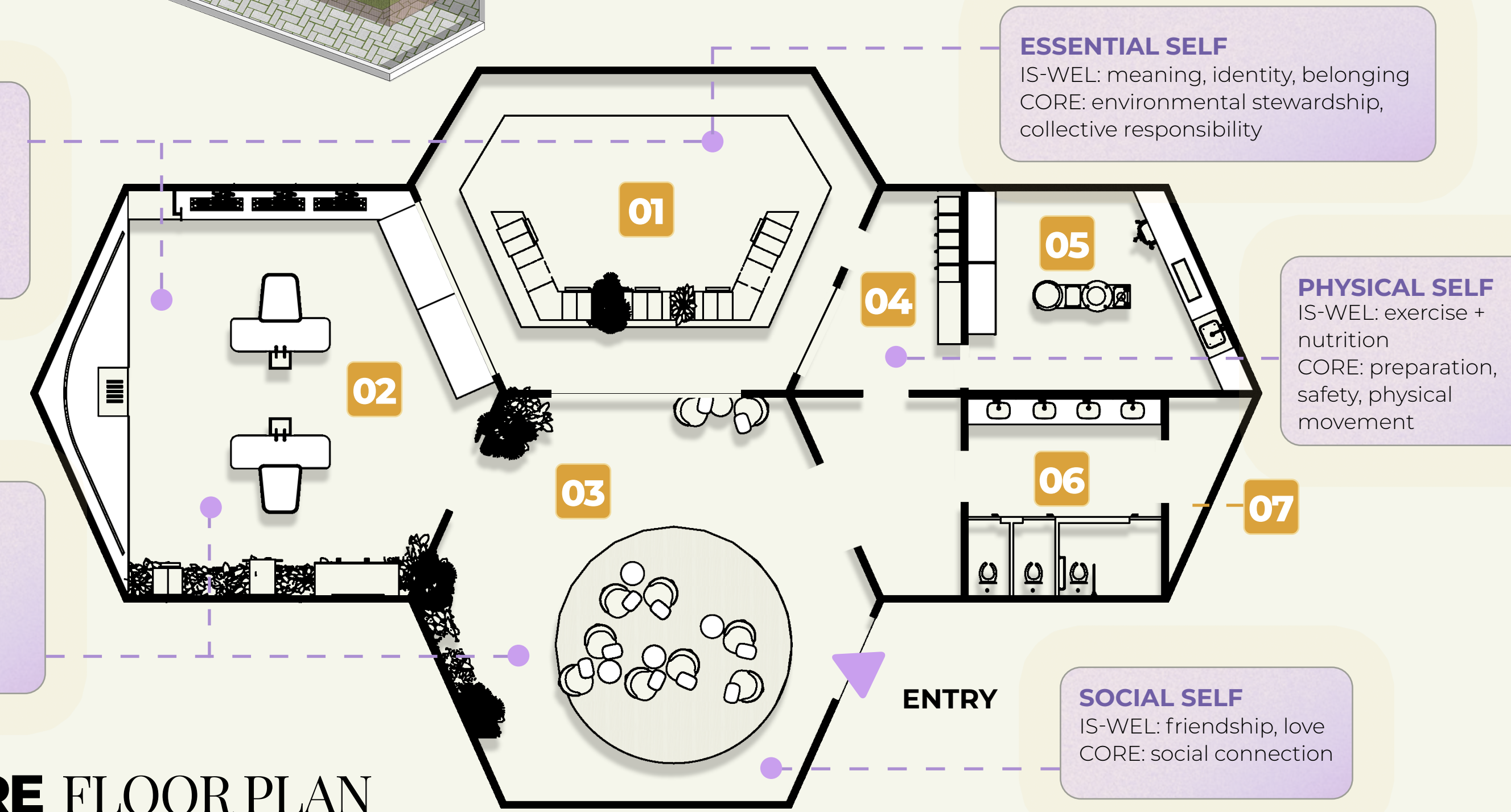
hives placed on level, sturdy supers

## HONEYBEE FORAGING PROSPECTS

Native to Local Area



Aster Milkweed Coneflower Joe Pye Weed Blazing Stars Goldenrod Wild Bergamot



### COPING SELF

IS-WEL: stress management, hive activity  
CORE: identifying patterns + rhythms, recalibration

### CREATIVE SELF

IS-WEL: thinking, control, work  
CORE: problem-solving, interpreting data, observation

### ESSENTIAL SELF

IS-WEL: meaning, identity, belonging  
CORE: environmental stewardship, collective responsibility

### PHYSICAL SELF

IS-WEL: exercise + nutrition  
CORE: preparation, safety, physical movement

### SOCIAL SELF

IS-WEL: friendship, love  
CORE: social connection

# FURNITURE FLOOR PLAN

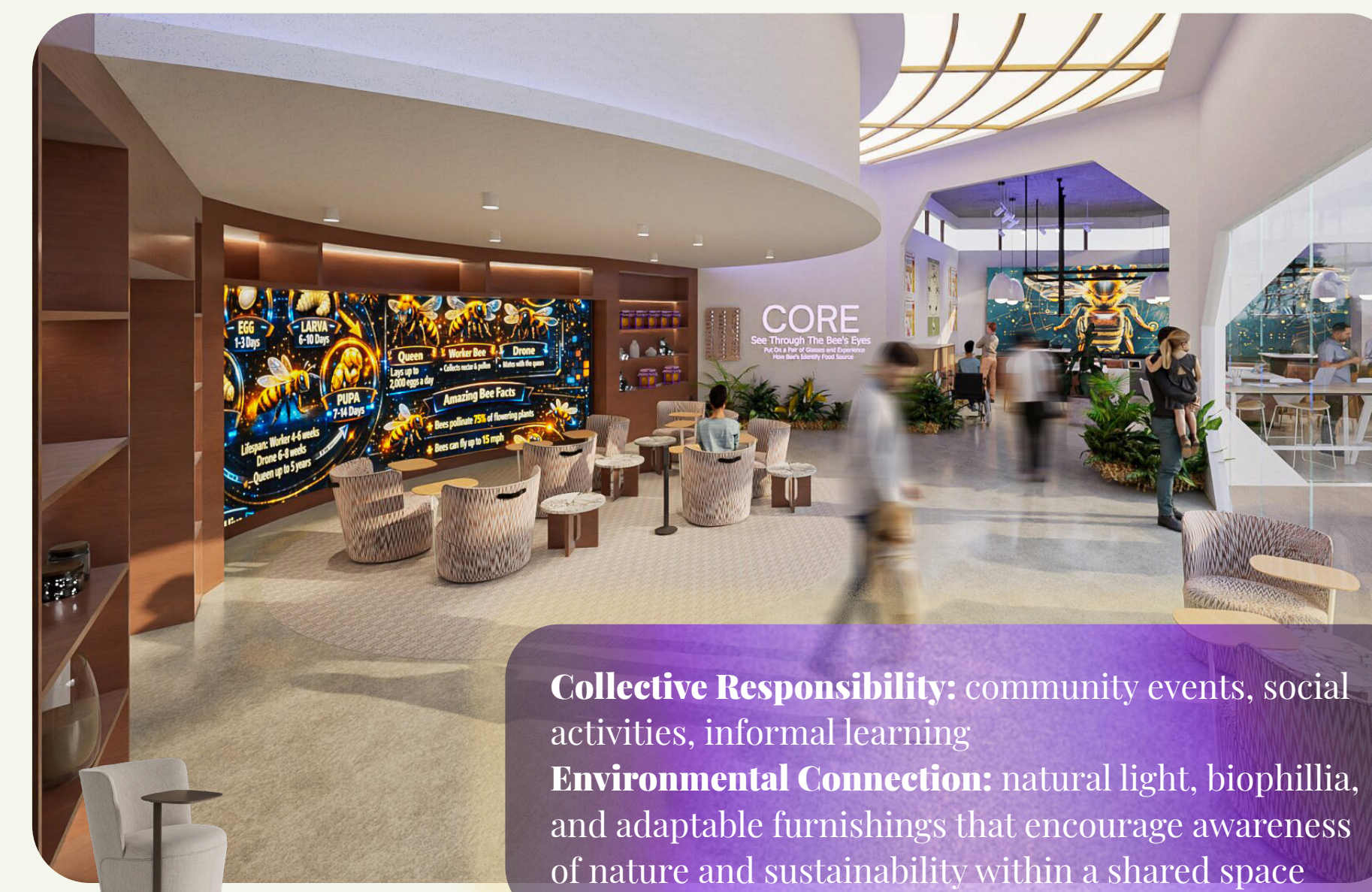
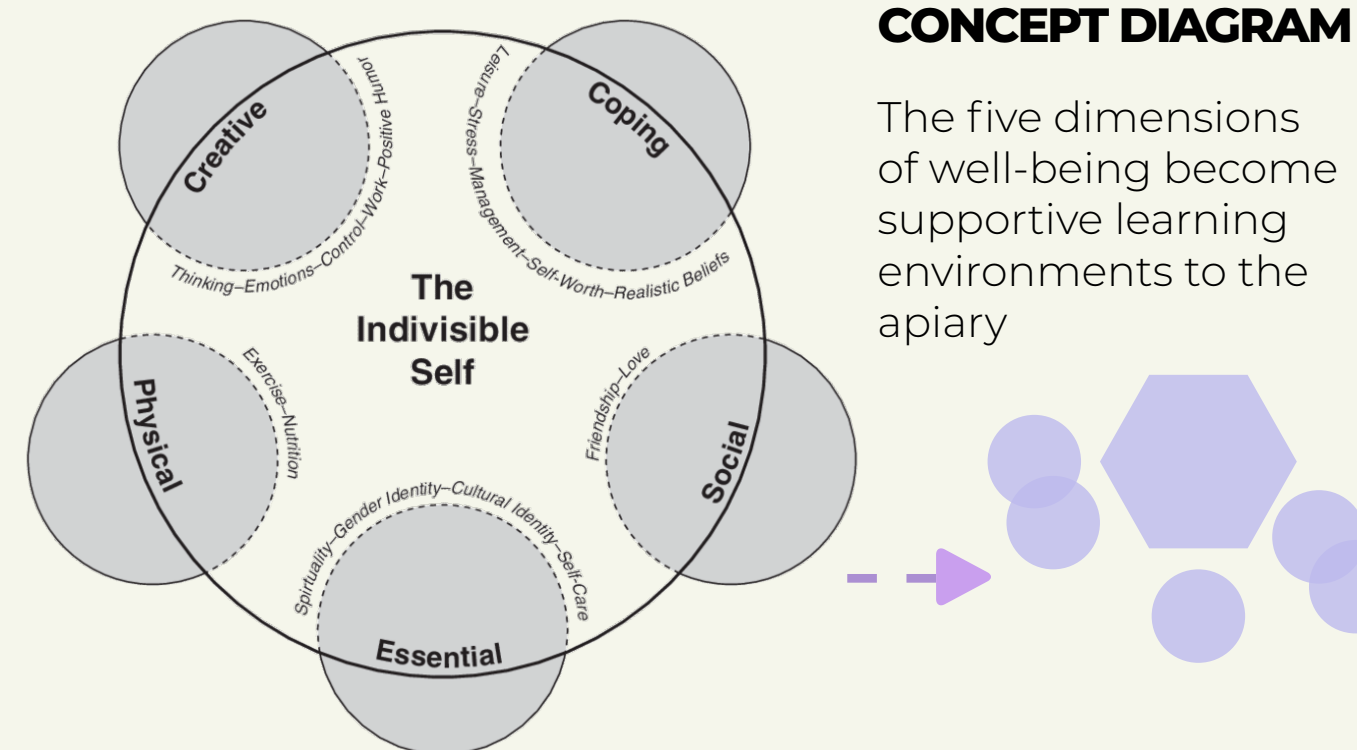
+ IS-WEL CONNECTION

## SPACES

- APIARY COURTYARD
- BIOMONITORING LEARNING STUDIO
- MULTIFUNCTIONAL ROOM
- CHANGING/GOWNING ROOM
- HONEY EXTRACTION ROOM
- ALL GENDER BATHROOM
- JANITOR CLOSET

## CONCEPT DIAGRAM

The five dimensions of well-being become supportive learning environments to the apiary



### TOTE MOBILE LOUNGE

DAVIS  
finish: upholstered w/ laminate tablet arm

# MULTIFUNCTIONAL ROOM

SOCIAL, CREATIVE & ESSENTIAL SELF

## THE FUTURE OF

Well-Beeing  
EDUCATION

## BEEKEEPING + BIOLOGY

## EXPLORING "SUPERMINDS" FOR LEARNING

PROJECT NARRATIVE

Bees are foundational to ecological and human systems, yet their labor often goes unnoticed. This project proposes an education center that makes the invisible visible positioning the beehive as a model for collective care. In this space the beehives become abundantly visible while providing a barrier of protection. Guided by the IS-WEL framework, the building supports biological learning, personal reflection, creative making, and communal exchange. The result is a space where human and environmental wellness are understood and deeply interconnected.

Bees are not simply pollinators; they are indicators of environmental health and essential agents within global food systems. Despite their critical role, bee populations remain under-recognized and under-protected. This project centers bees as a living measure of ecological balance placing them at the literal **core** of education, research, and community awareness. By using the hive as a stepping stone into broader conversations about food systems and environmental stewardship, the project bridges science and wellness through experiential learning.

The center is designed to support all users: young, fresh minds (18-24) and lifelong learners (25-65+). Located within close proximity to several college campus, near major neighborhoods, and within the local urban area, the site allows the project to operate as both an academic resource and a public learning environment. Its innate accessibility and curiosity supports interdisciplinary use, community engagement, and hands-on education, reinforcing the idea that ecological responsibility extends beyond institutional boundaries represents the "supermind" concept through effortless blend of both traditional learning methods and technological advances to accommodate all individuals. The idea that technology can aid in learning without a complete replacement of human interactions is emphasized throughout the design.

Much like a beehive, **CORE** functions through interdependent roles. Students act as learners and caretakers, instructors as guides and researchers, and community members as participants in shared ecological stewardship. Technology supports this system through live hive data, AI-assisted pattern recognition, and intuitive digital interfaces that translate information into accessible insights. Each user contributes to the collective system, reinforcing the hive as both a biological structure and a social model.

## A CENTER FOR COLLECTIVE LEARNING + WELLNESS

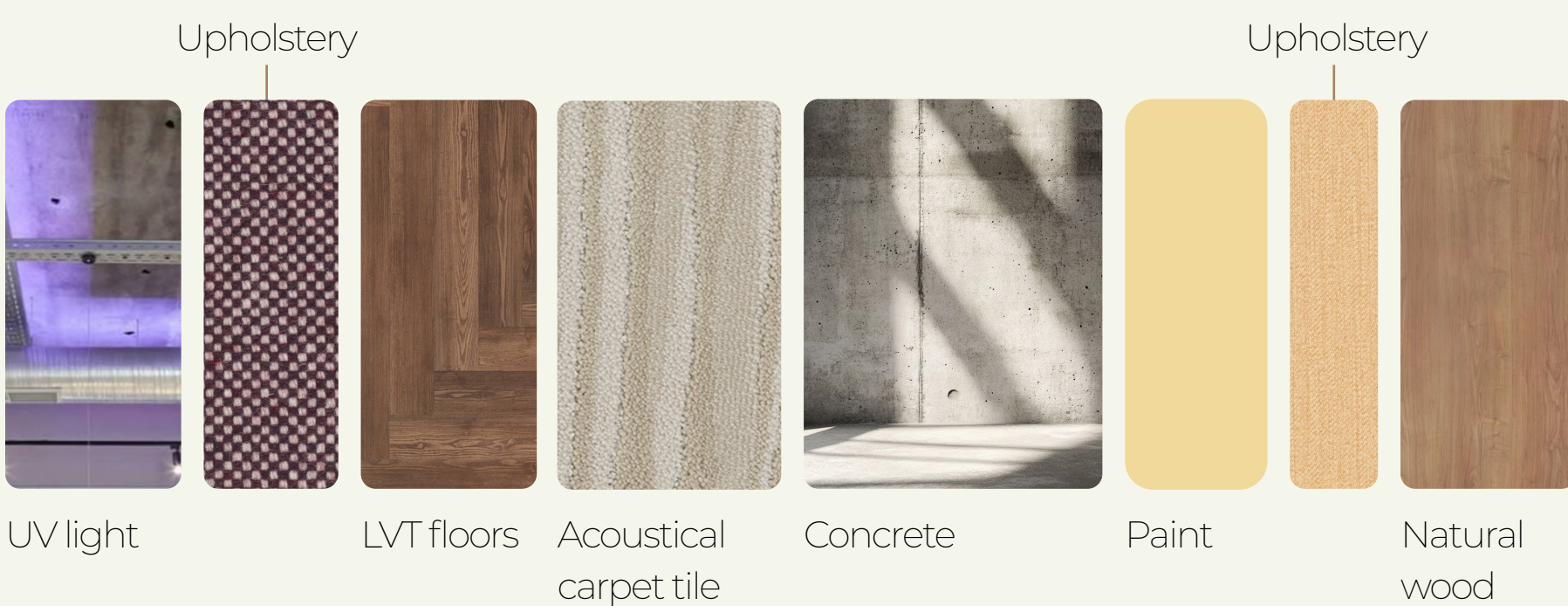
### CONCEPT

The Indivisible Self Model of Wellness (IS-WEL) guides **CORE**, using beekeeping as a living, experiential system through which biological learning and community wellness intersect. Each of the five second-order factors, in IS-WEL appear in the design and concept of **CORE**. Like a beehive, like the "supermind", like the IS-WEL model itself, no individual part functions independently; each relies on the collective to sustain. A central apiary anchors the facility physically and conceptually. Surrounding environments operate as supportive cells. Beekeeping requires constant learning and adaptation. Learners of all kinds will participate in the care of bees and data-informed observation.

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## MATERIAL PALETTE



The color palette draws from the way bees perceive their environment. Muted yellows reference pollen and wax, while violet tones respond to bees' ability to see ultraviolet patterns invisible to the human eye.