

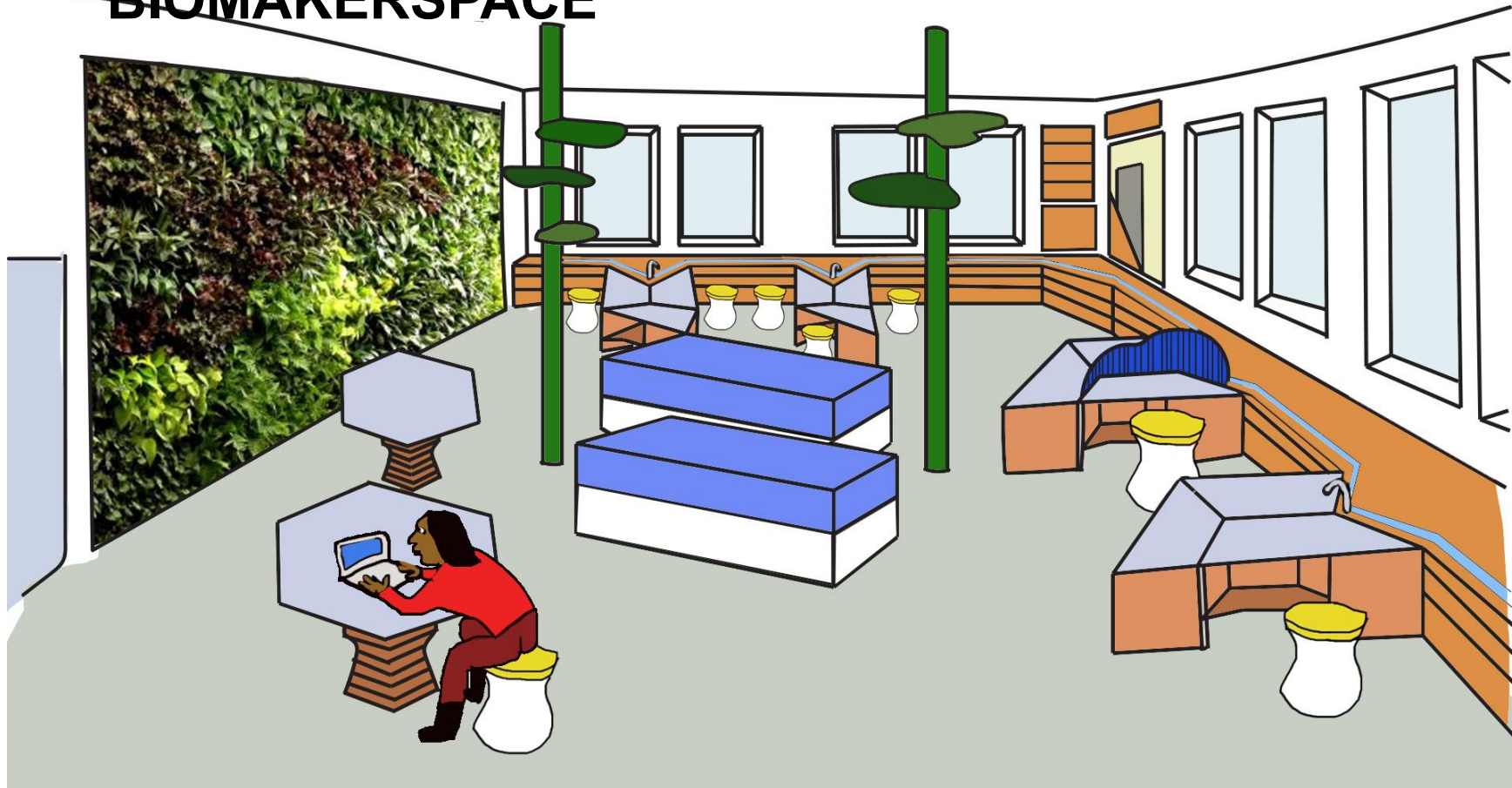
KINECT™

Leah Yao

Ewa Podgorska

Tara Gupta

WELCOME TO OUR BIOMAKERSPACE





BIOPHILIC DESIGN ELEMENT:
Prospect/Refuge

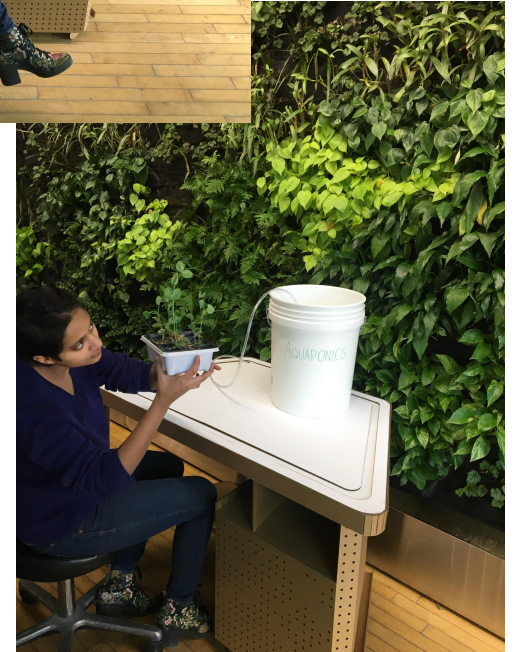


REFUGE at INDIVIDUAL WORKSTATIONS



Brigitta Nemeth

THE WORKSTATION



MATERIALS



PlyBoo™



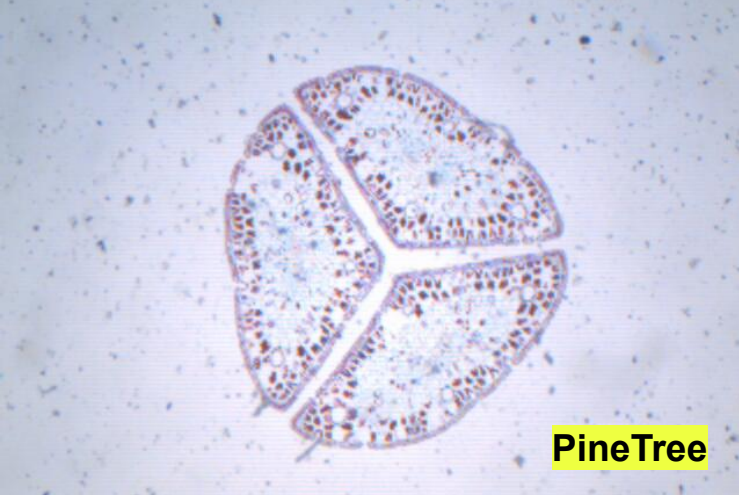
Hydrofoe™



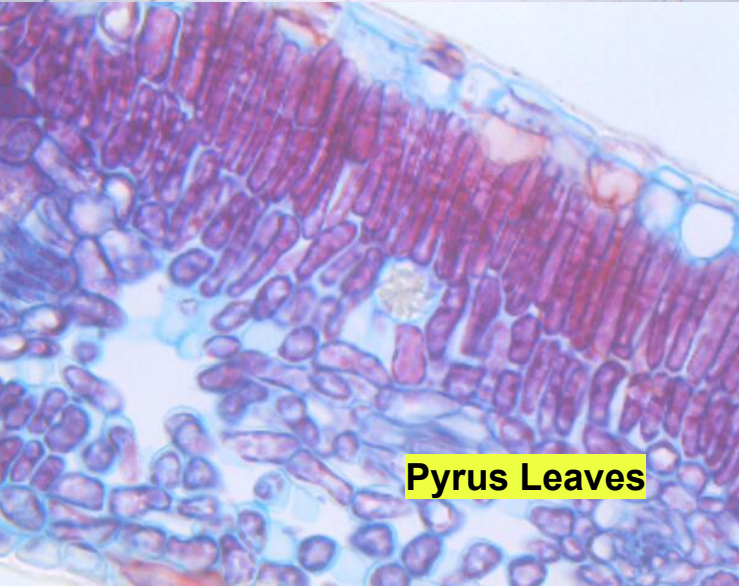
Steelcase



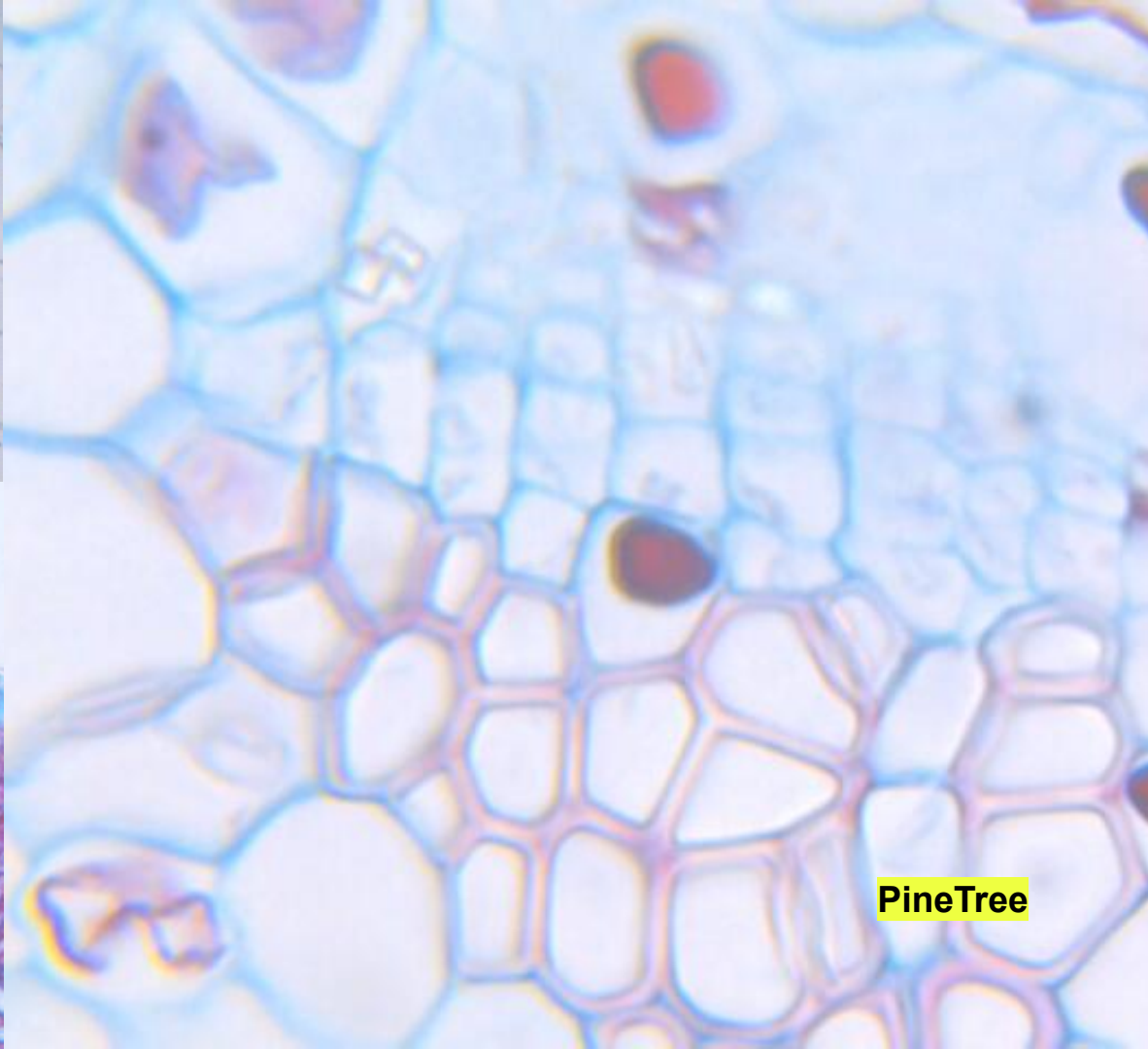
Steel legs



PineTree



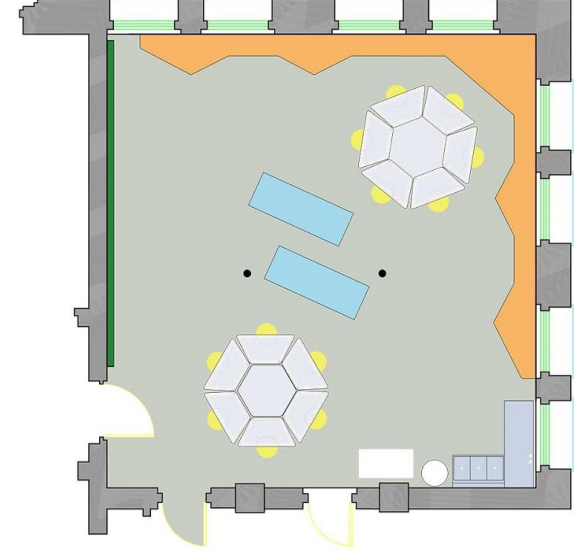
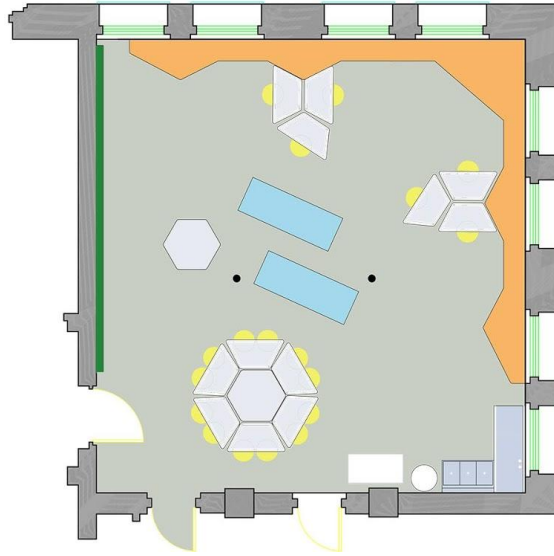
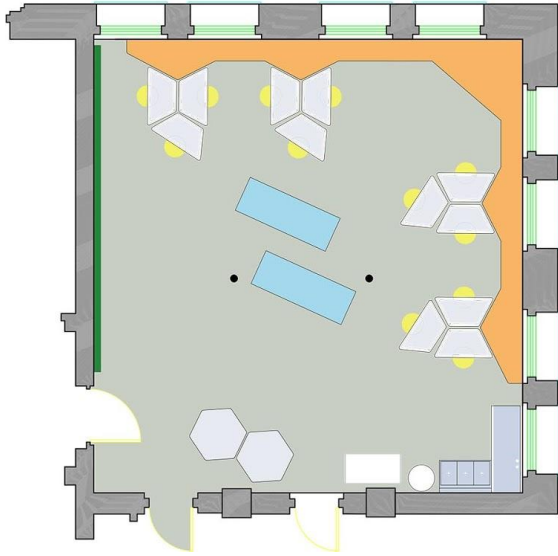
Pyrus Leaves



PineTree

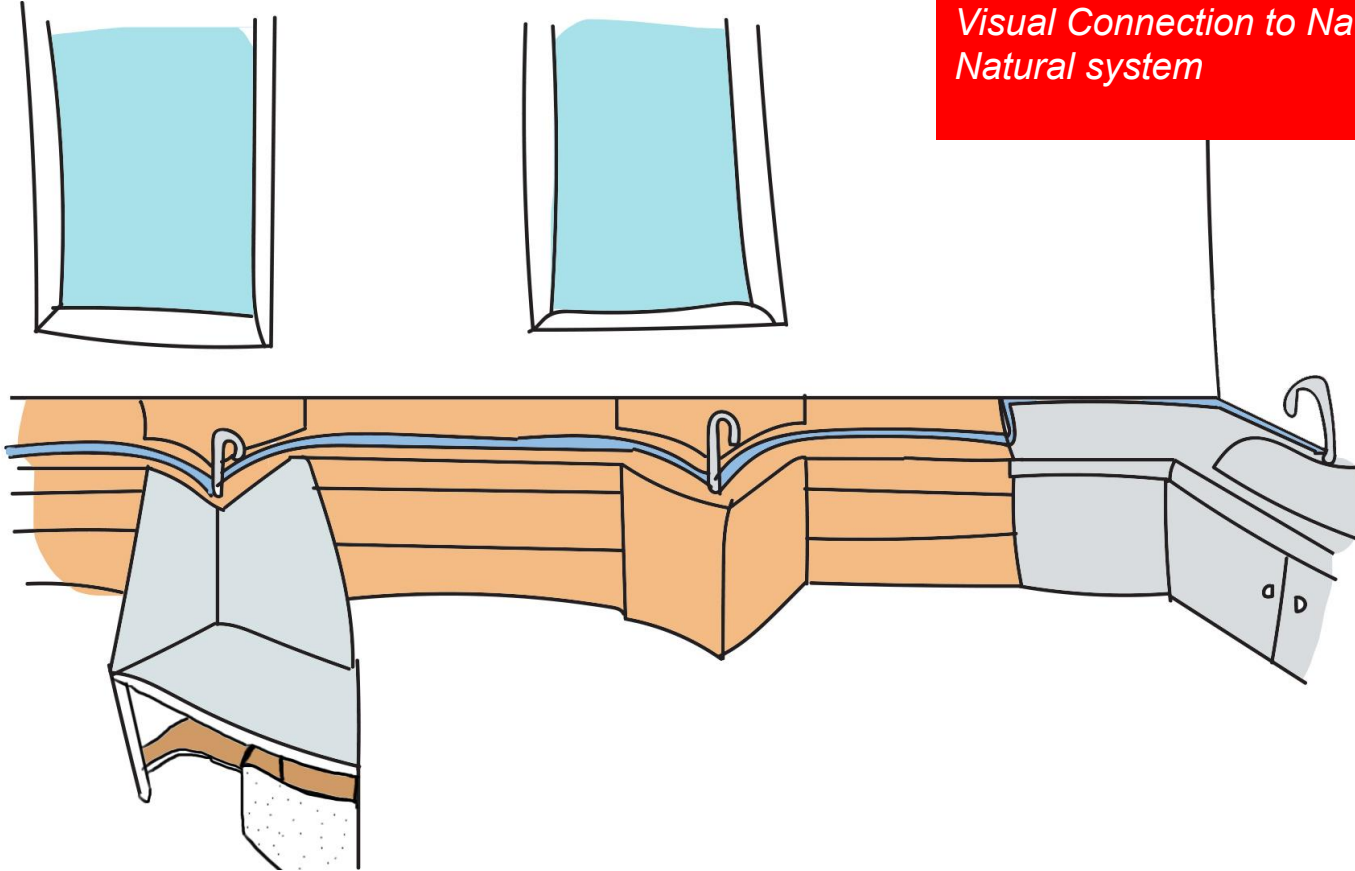


COLLABORATE WITH DIFFERENT SIZED GROUPS



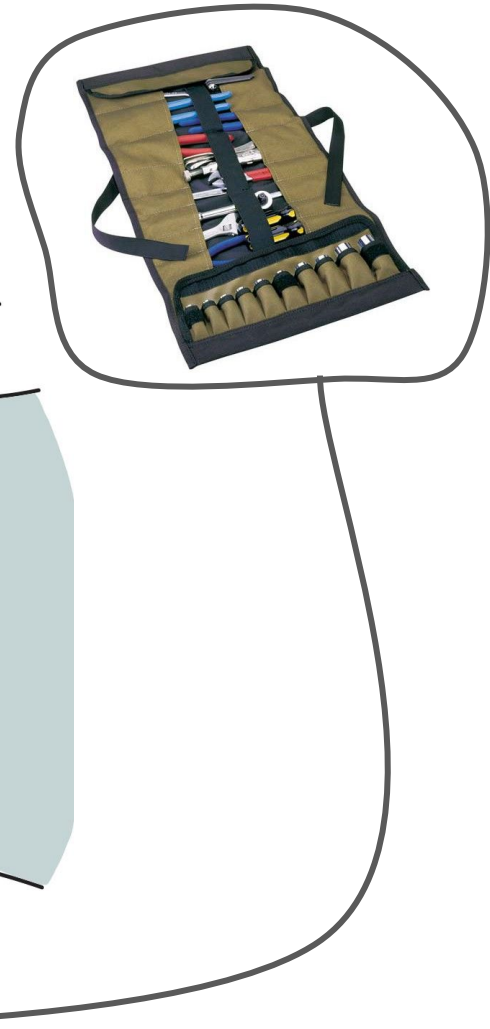
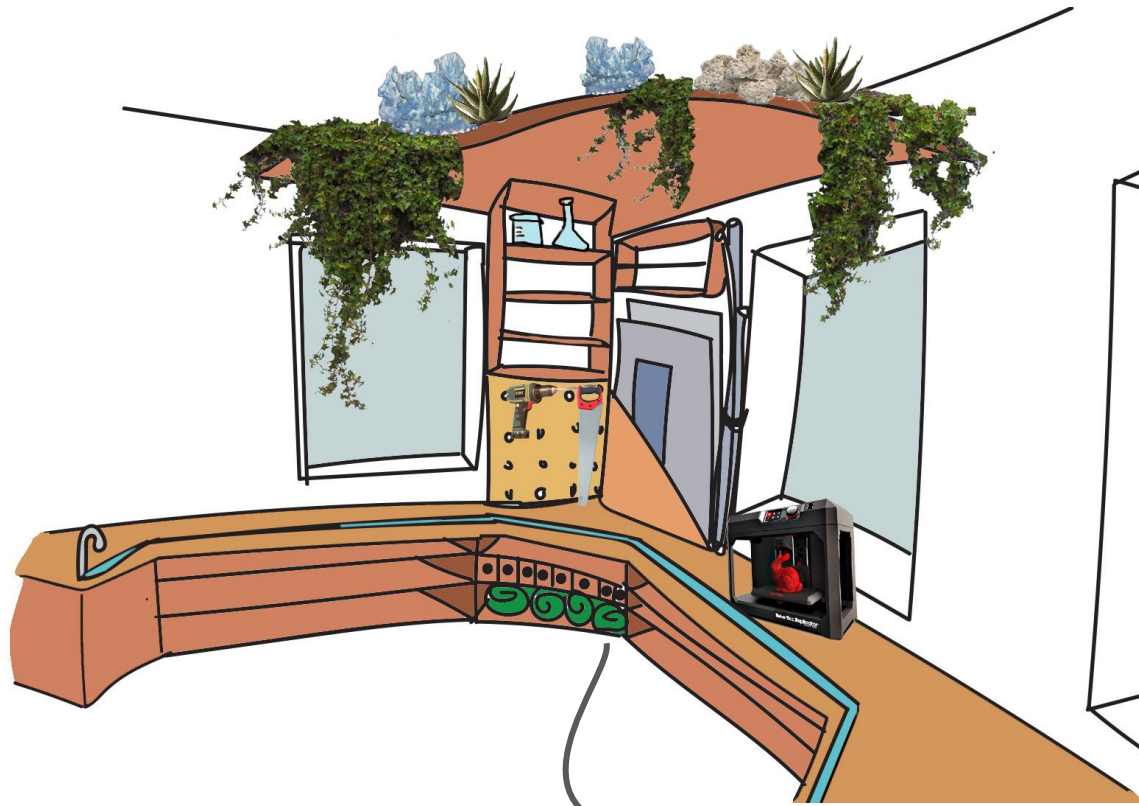
BIOPHILIC DESIGN ELEMENT:
Complexity & Order in a System

Awareness of Water



BIOPHILIC DESIGN ELEMENT:
*Visual Connection to Nature/
Natural system*

STORED TOOLS



MATERIALS FOR THE ROOM



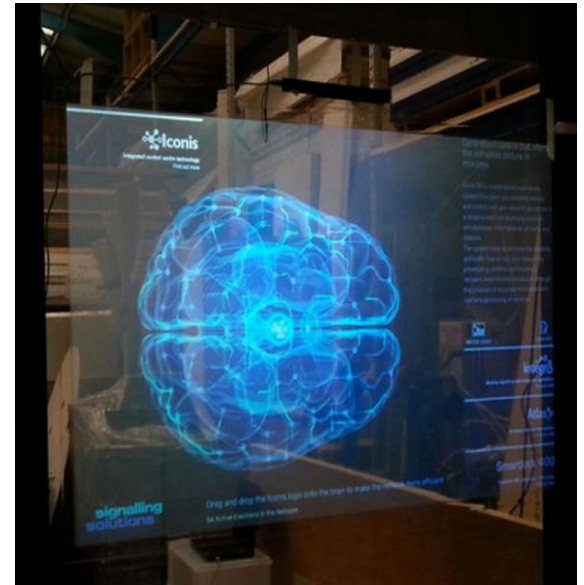
Moss



Mycelium



Bio-based self-healing concrete reacts to water



Live-stream projection

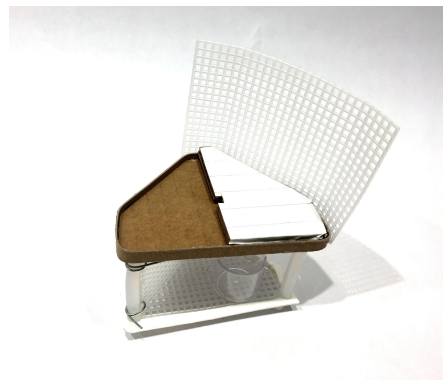
CONSIDERATIONS

- Planned Ceiling Installation
- Existing green wall
- Different aquarium conditions (salt water)
 - aquaponics conditions restricting flow of water between systems
- Capacity for 12 individual workstations
- Wet/Dry workspaces
- Storage for tools, materials, projects
- Replicability by another classroom, such as a high school
 - cost considerations

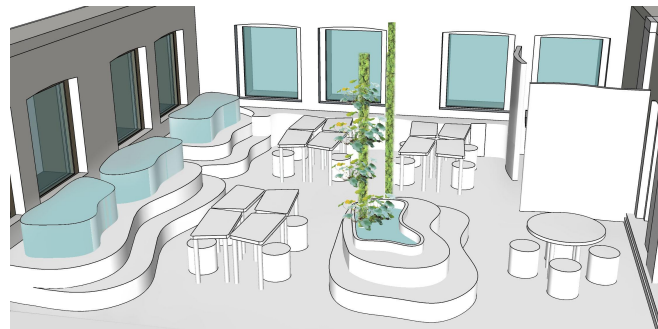
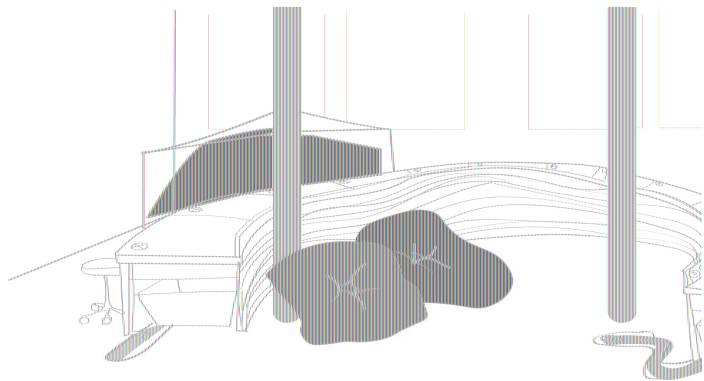
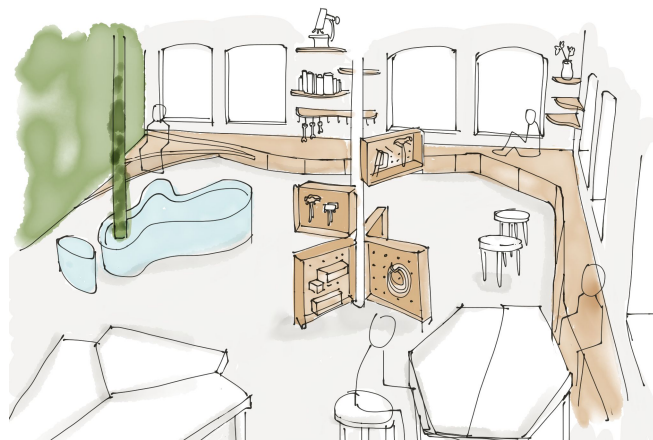
MAKER STATION - DESIGN DEVELOPMENT



EARLY MAKER STATION IDEAS



EARLY SPACE IDEAS



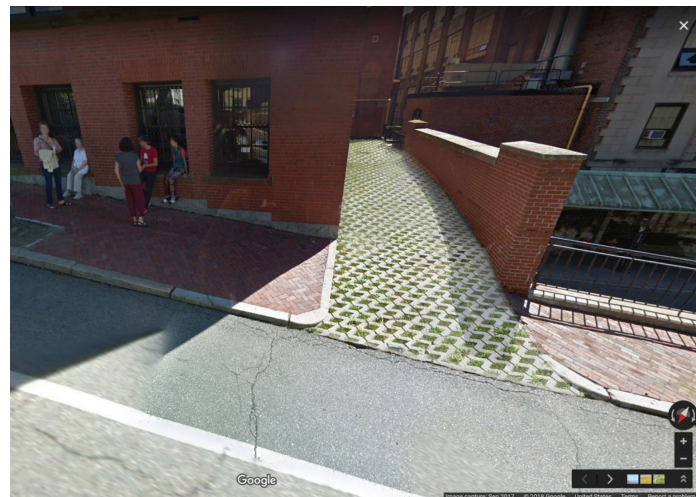
FUTURE CONSIDERATIONS

ENGAGING THE COMMUNITY



FUTURE CONSIDERATIONS

INSIDE-OUTSIDE CONNECTION



FUTURE CONSIDERATIONS

FURTHER CONSIDERATIONS

- Sliding surface for bottom of stools
- Plastics recycling facility in parking lot (See preciousplastic.com)
 - using recycled plastic for tubes / pipes
- Rain garden, other possibilities for cycling water

THANK YOU.

Q&A