

Re-Envisioning Juvenile Justice Educational Environments: Inspire, Integrate, Innovate.

Summary

• In partnership with the AAJ University Outreach Committee, Gregory Luhan, PhD, a full professor and Associate Dean at the University of Kentucky, College of Design, collaborated with the Association for Learning Environments (A4LE) to explore learning environments within juvenile facilities. Students in Dr. Luhan's studio sought innovative and research-driven design solutions for educational programs and settings that encourages entrepreneurship and allows juvenile offenders to gain skills, training, and assets, equipping the youth to pursue an alternative lifestyle, beyond the one from which they came.

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Course Description

This panel presentation, which complements an exhibit, explores how the student projects respond to various site conditions, incorporate high-performance features, and offer accessible, activity-based, sensory-rich, developmentally appropriate and flexible environments – all designed to address the special needs of incarcerated youth. The student's ideas and innovative concepts offers a fresh perspective: transforming a juvenile facility with education classrooms into a specialized educational facility for incarcerated youth.

Learning Outcomes

- 1. Participants will be able to identify 21st century learning spaces across a variety of sites and topics.
- 2. Participants will be able to recognize benefits of an iterative process to develop a solution addressing gaps in the system.
- 3. Participants will be able to recognize innovative solutions that connect youth to community resources and experts in emerging industries.
- 4. Participants will be able to explain an innovative design solution utilizing sustainable practices in a developmentally appropriate and multi-sensory environment.

Panel



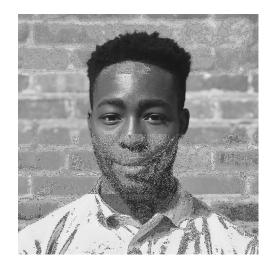
Stacey Wiseman



Gregory Luhan, PhD, AIA



April Pottorff, FAIA



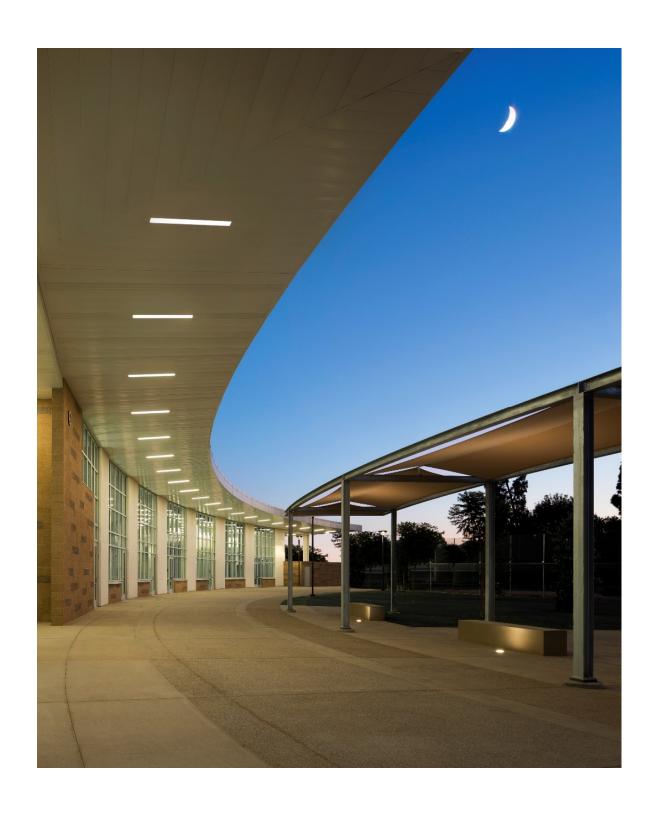
Terrence Dankwa



Eileen Van Hoose



Grant Shaw



gregory luhan | studio 03 march 2017





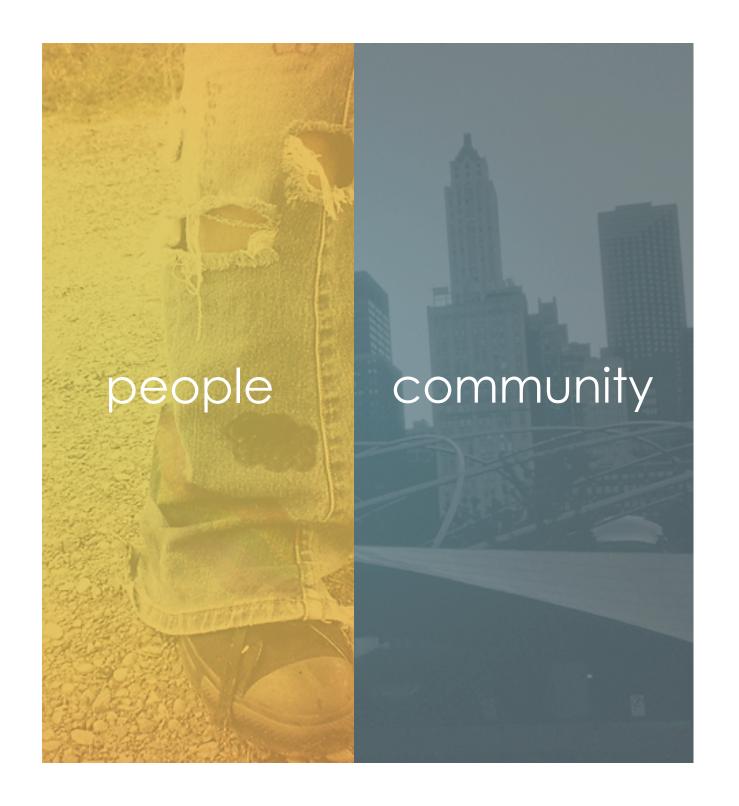


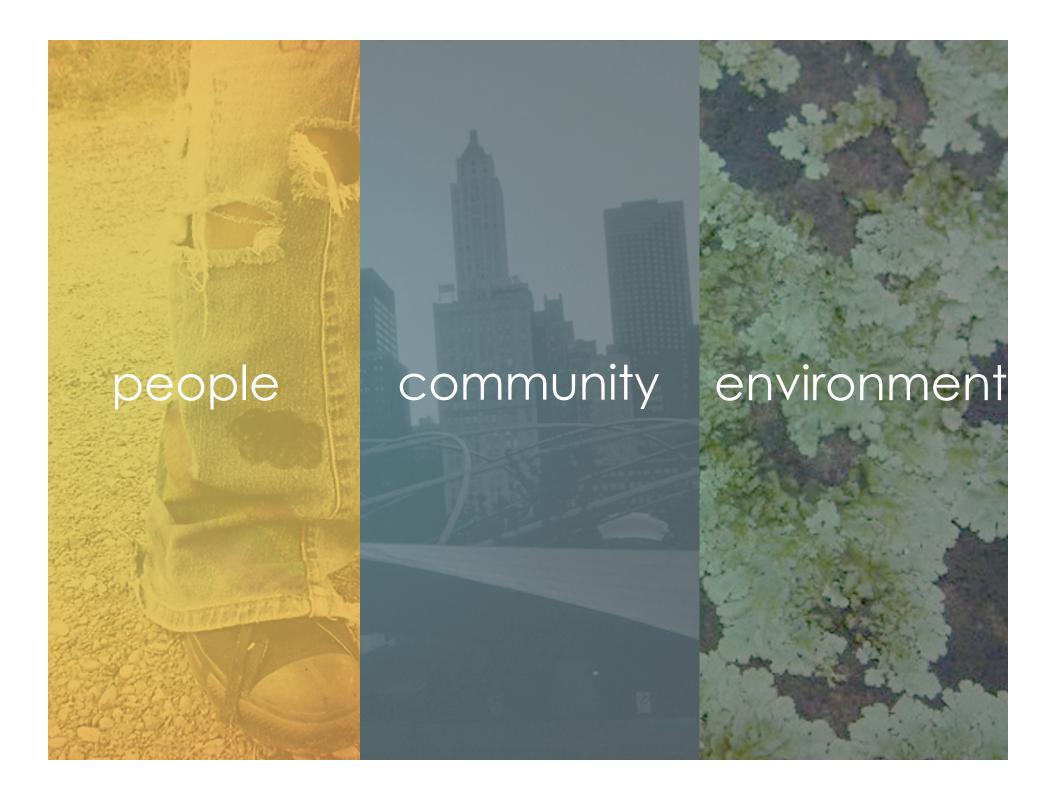




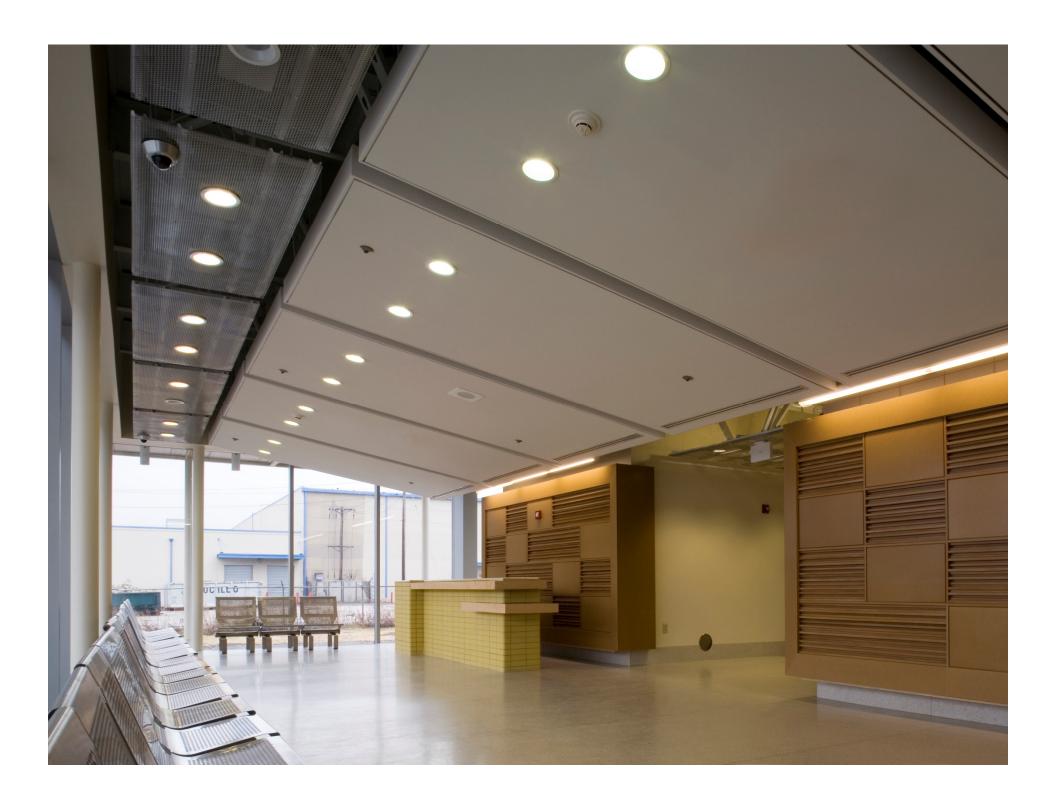


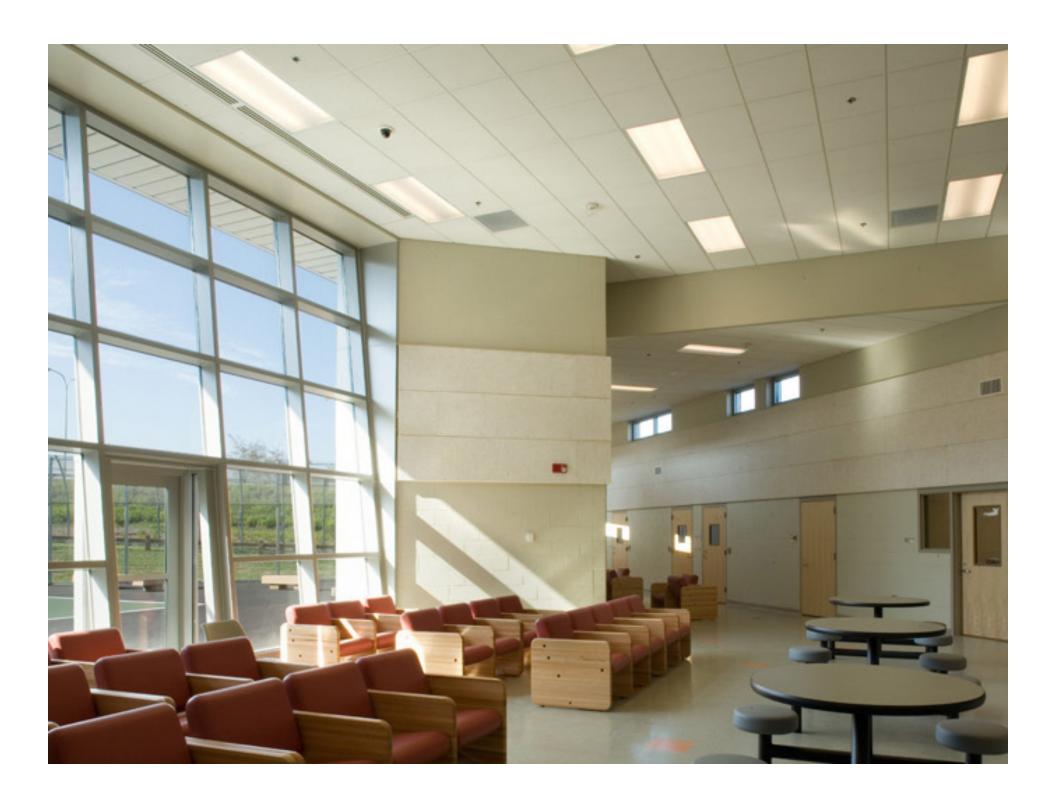




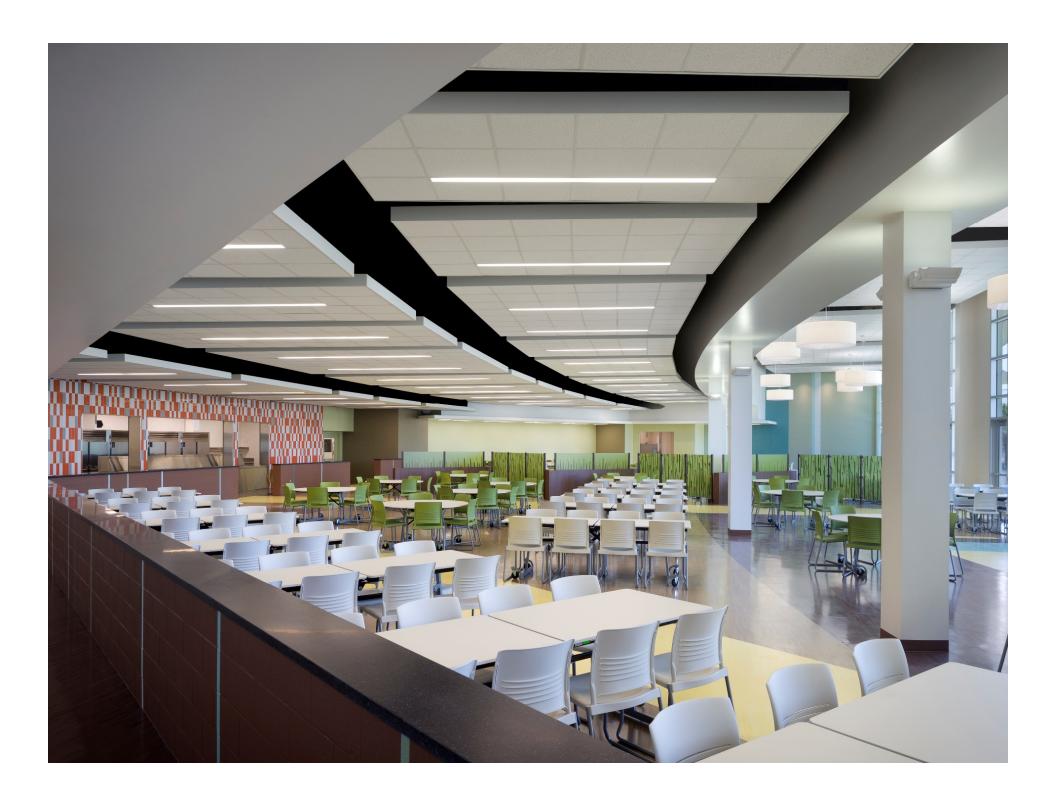


evidence based design



















beacon of hope

A4LE

Mission & Vision

The Association for Learning Environments is a professional non-profit association whose sole mission is improving the places where children learn.

The Association for Learning Environments believes that:

- Facilities impact the learning, development and behavior of the facility user;
- The planning process is essential for quality facilities;
- Sharing and networking improves the planning process; and
- There is a standard by which to measure.

History:

The Association for Learning Environments was first established in 1921 as the National Council on Schoolhouse Construction (NCSC) then becoming Council of Education Facility Planners International (CEFPI) in 1971. It took its current name in 2015

Mission:

The Association for Learning Environments is the primary advocate and resource for effective educational facilities. We serve those who use, plan, design, construct, maintain, equip and operate educational facilities.

Vision:

The Association for Learning Environments is the advocate for excellence in student learning environments.

A4LE + University of Kentucky

Partnership

The Association for Learning Environments (A4LE) and the University of Kentucky College of Design created an innovative partnership to support the study, research, and project development of 21st Century Learning Environments. The intent is to support the alignment of student design passions with real-world projects and to develop solutions at a scale that can foster discovery and innovation. This partnership has enabled research in the areas of special needs, performing arts, creative arts, culinary arts, entrepreneurship, agriculture, and STEM/STEAM education.

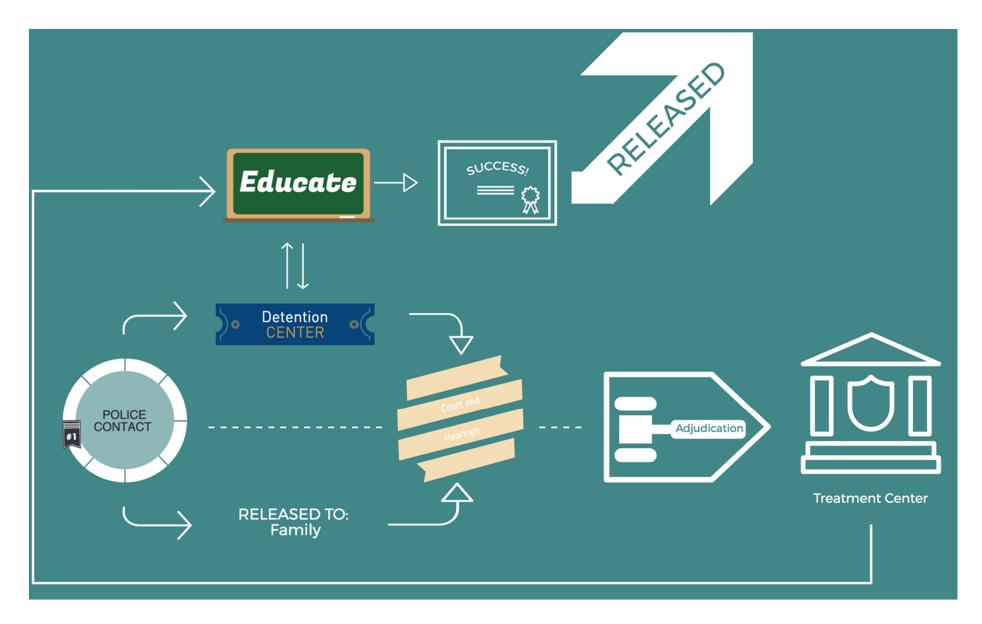
Scholarships:

The A4LE Architecture Studio Awards consisting of \$1,000 and \$500 stipends are given each semester to two (2) College of Design third-year architecture studio students who demonstrate excellence in design focused on learning environments. The Gift shall be used to fund the Awards during the 2016-2017, 2017-2018 and 2018-2019 academic years.

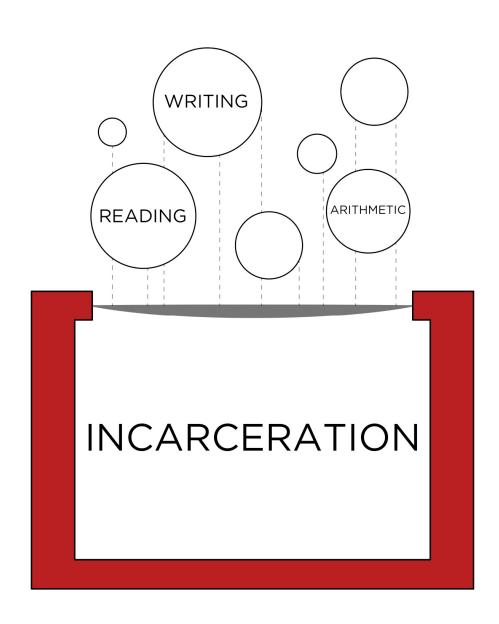
The Awards shall be presented to the two (2) students whose work best meet the following criteria, as determined by Jury:

- a. Design research problem solving.
- b. Design Iteration data collection and analysis.
- c. Data evaluation integrative learning
- d. Communication written and graphic.

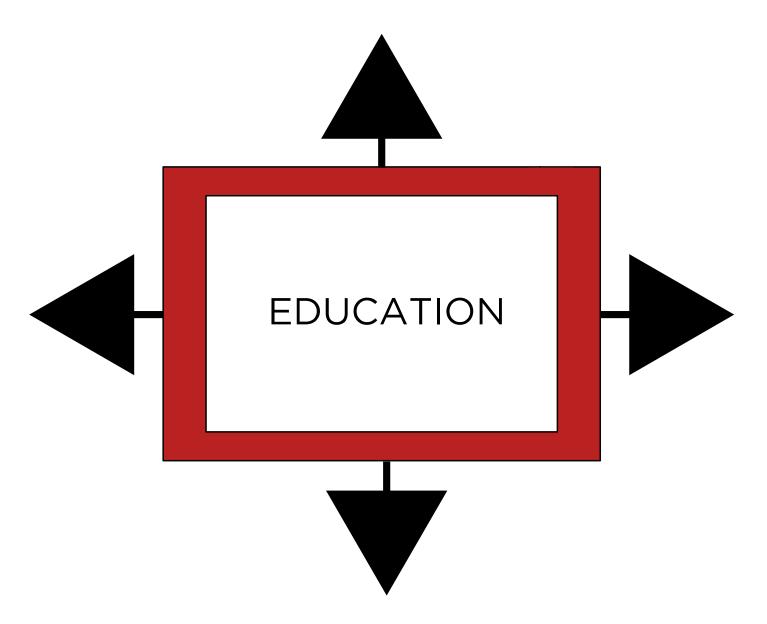
JUVENILE JUSTICE WORKFLOW



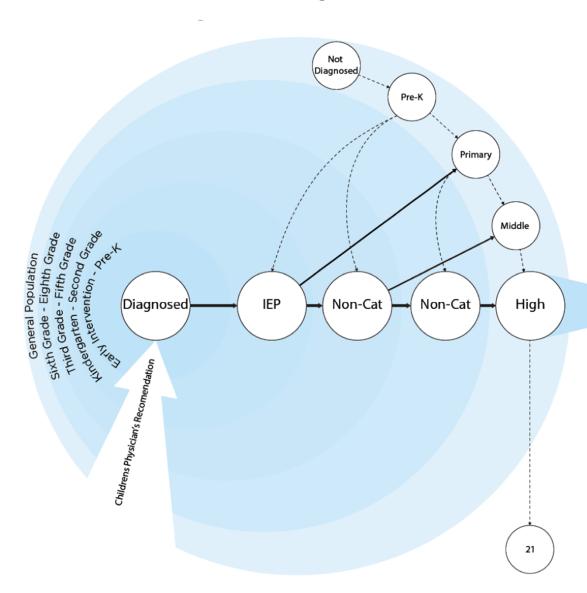
TYPICAL EDUCATION MODEL



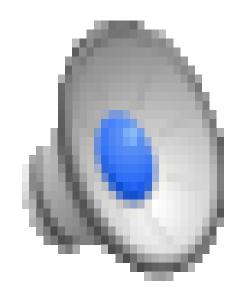
REVISED EDUCATION MODEL

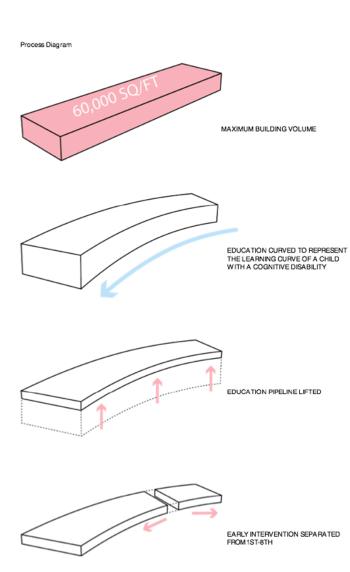


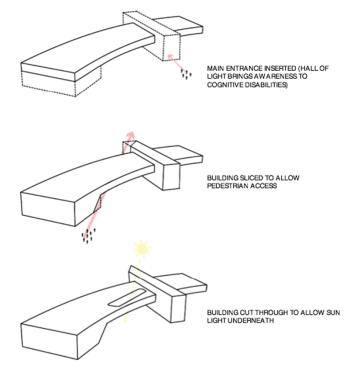
MAINSTREAM



MAINSTREAM - VIDEO





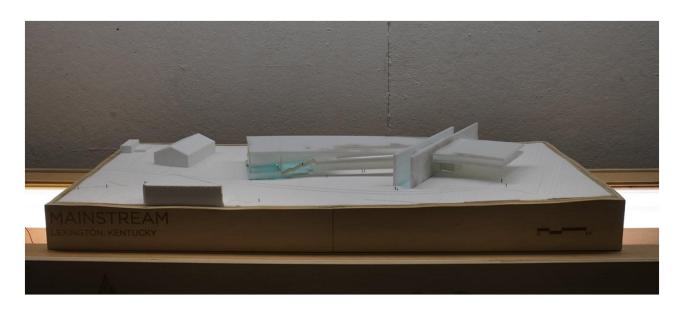


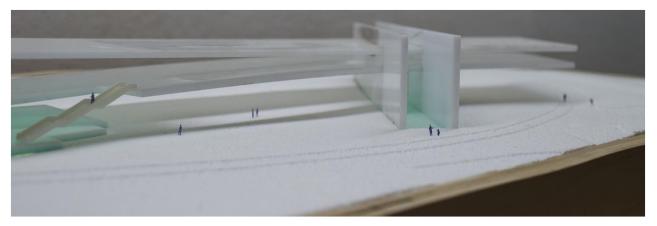


INTEGRATE



INTEGRATE





Educational institutions that focus on providing high quality education at no cost for children in under developed areas.

After-hours classes for adults

Program Structure Primary/Elementary

Secondary

Pre-school

Educating Humanity

Sports facilities

Auditorium

Classroom

Residence

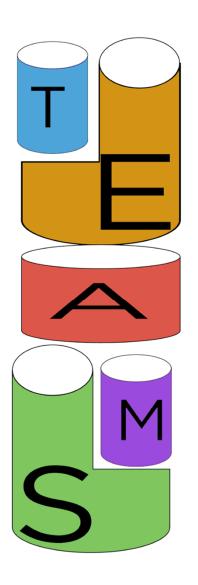
Sustainable design

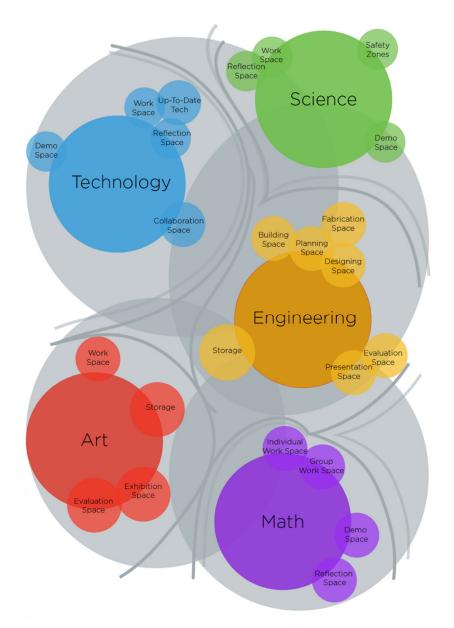
Modular unit/system

High-quality education

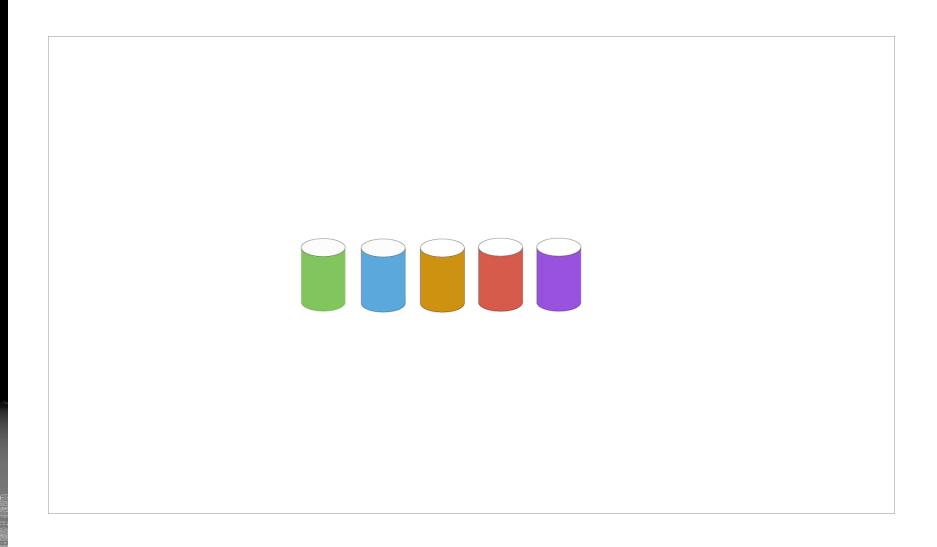
Housing for children in-need

STEM/STEAM



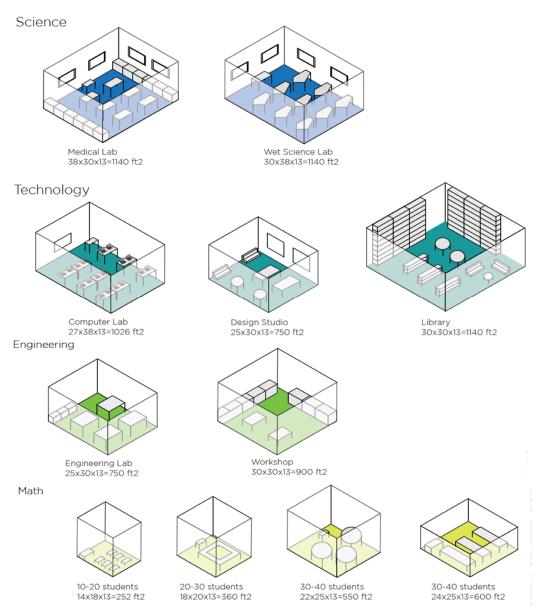


STEM/STEAM-VIDEO



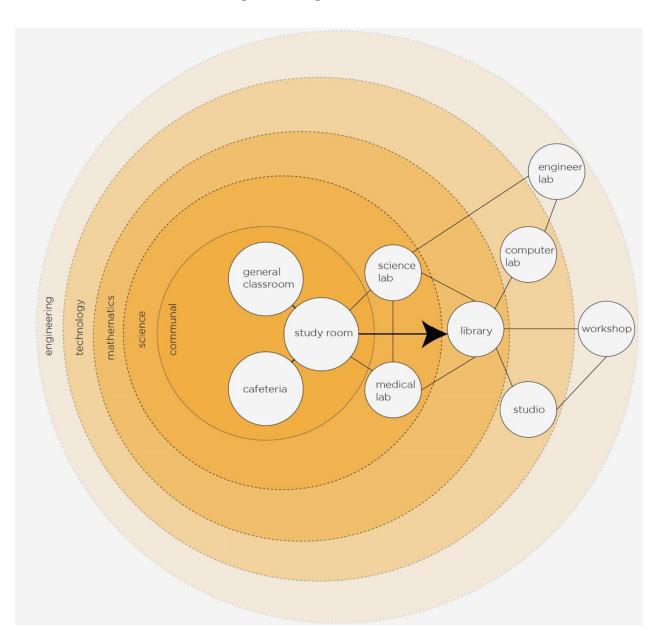
STEM/STEAM

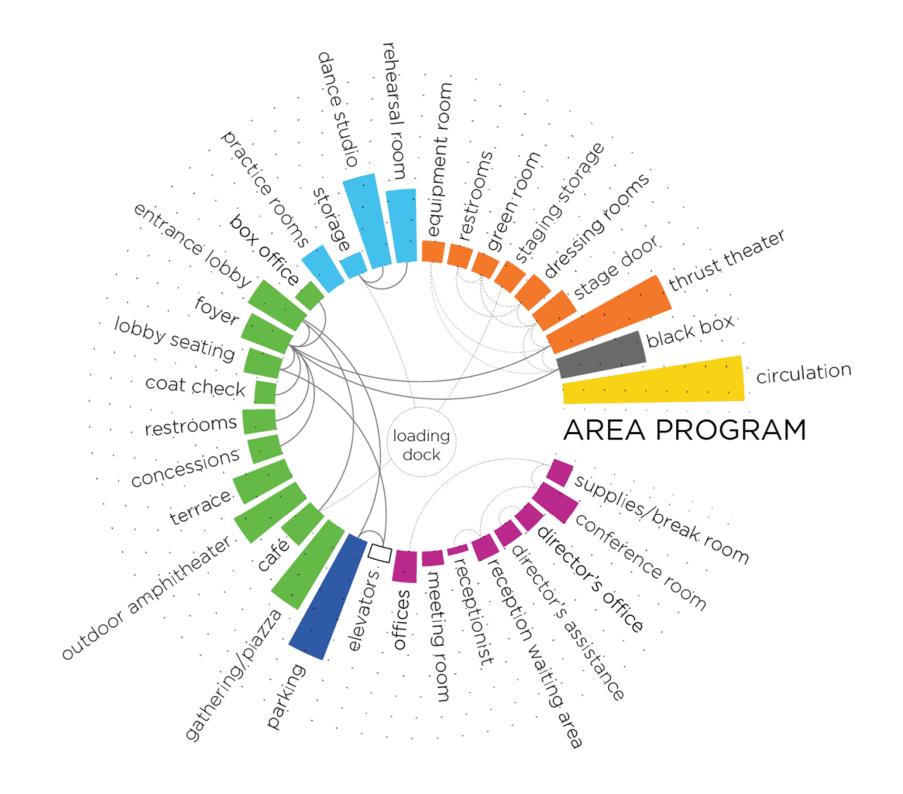
Classroom Types

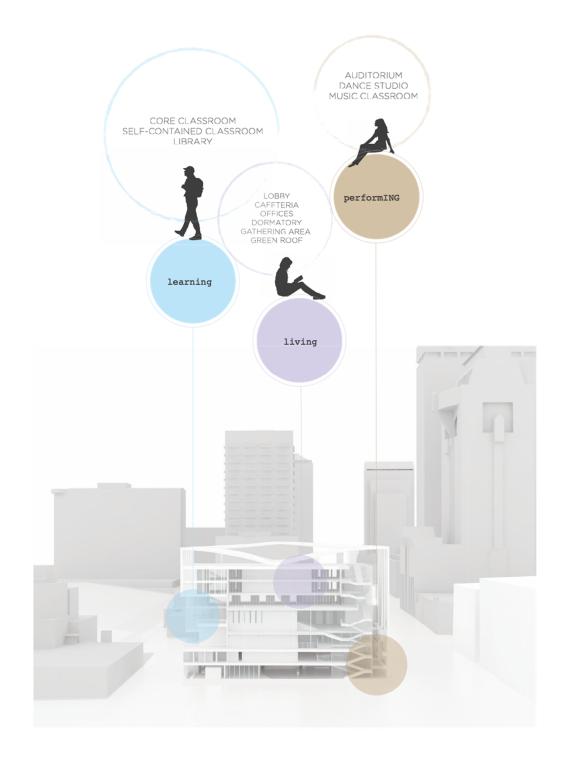


INSPIRE •

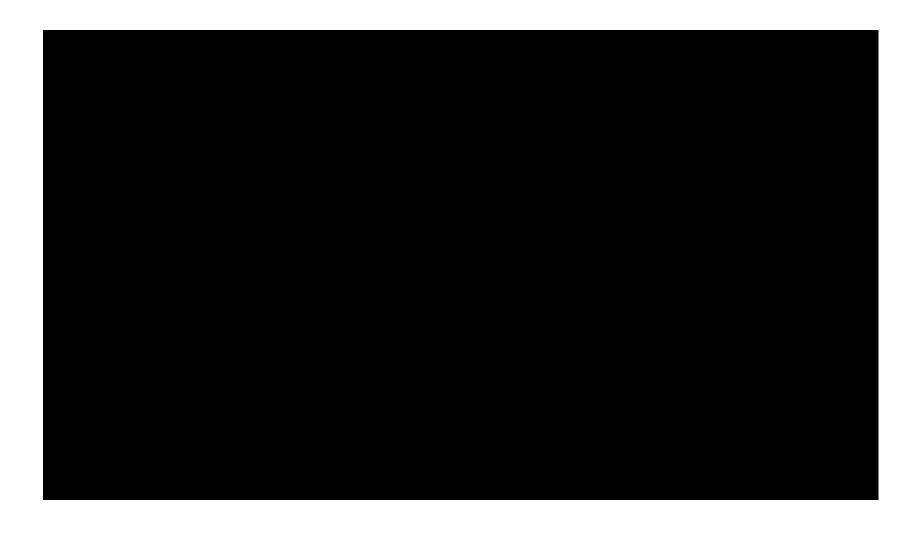
STEM/STEAM

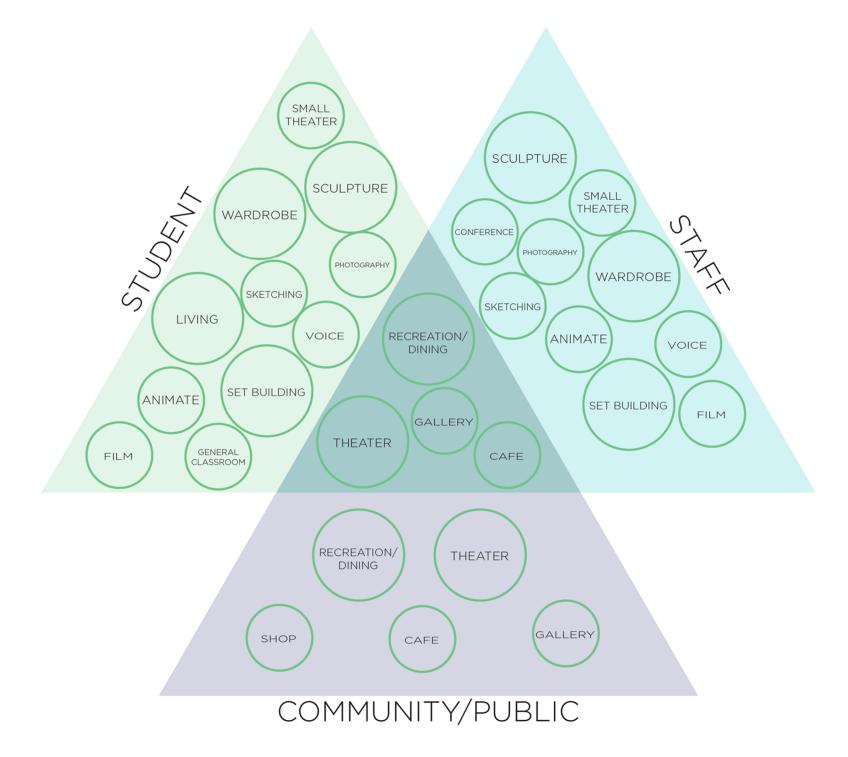






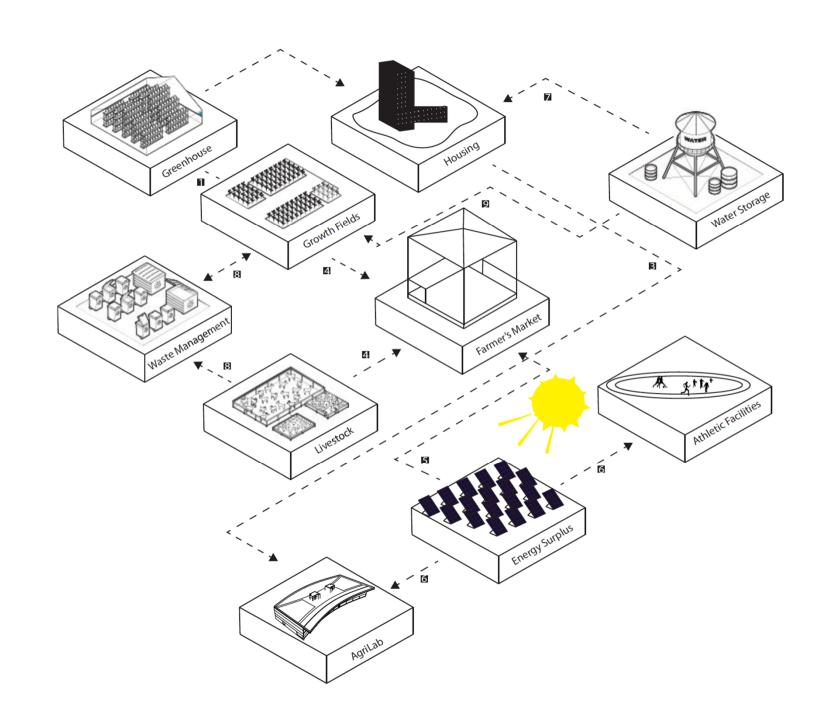
PERFORMING ARTS - VIDEO

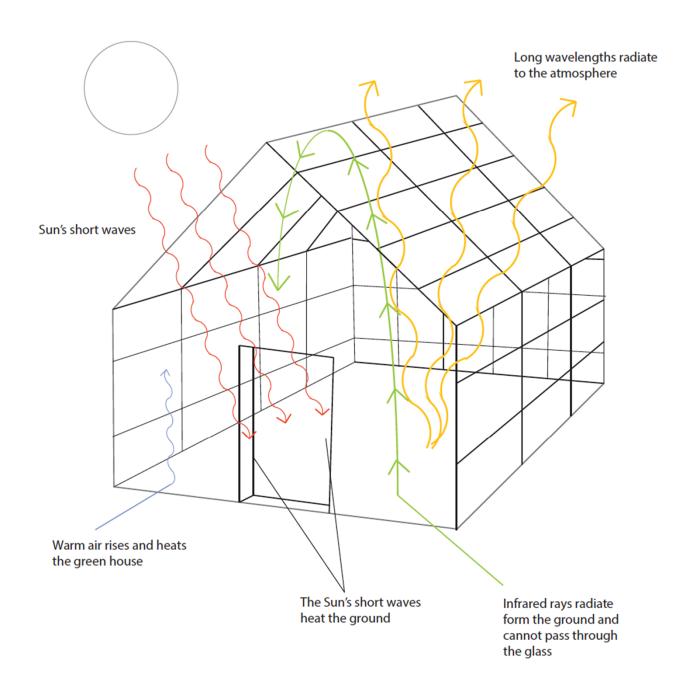


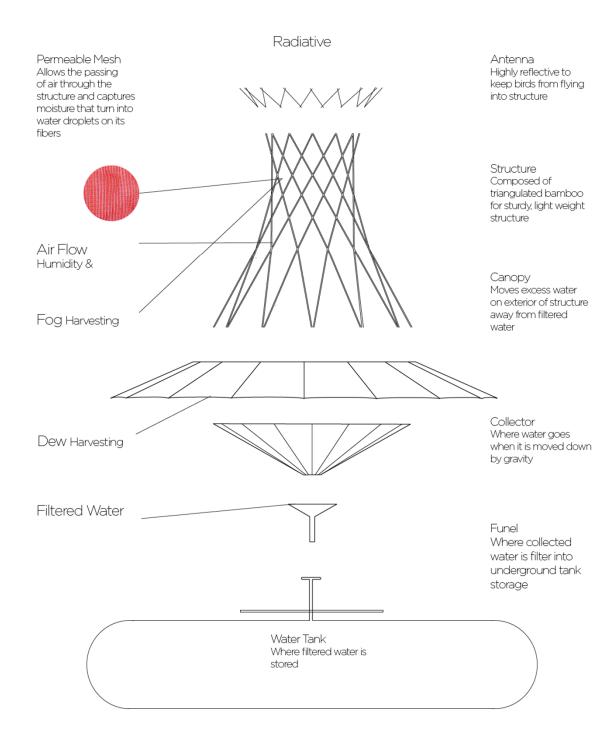




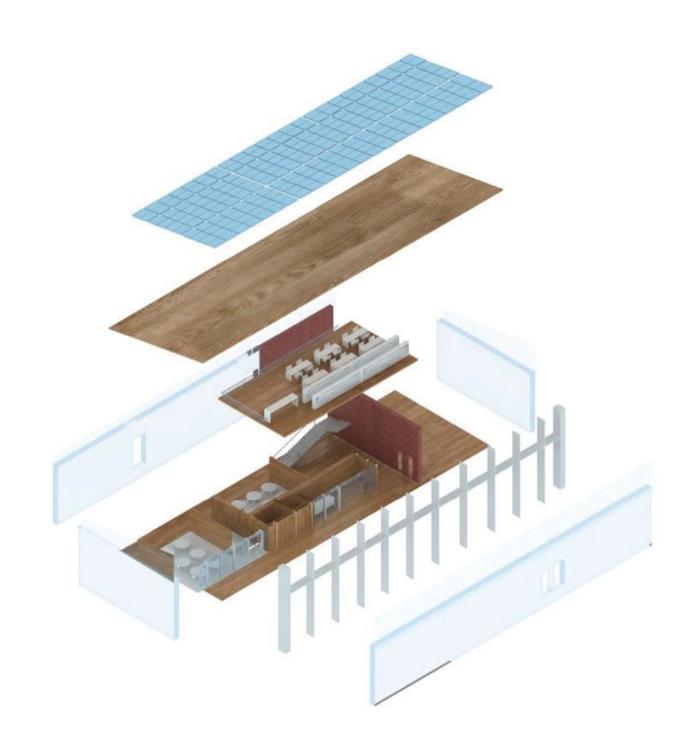


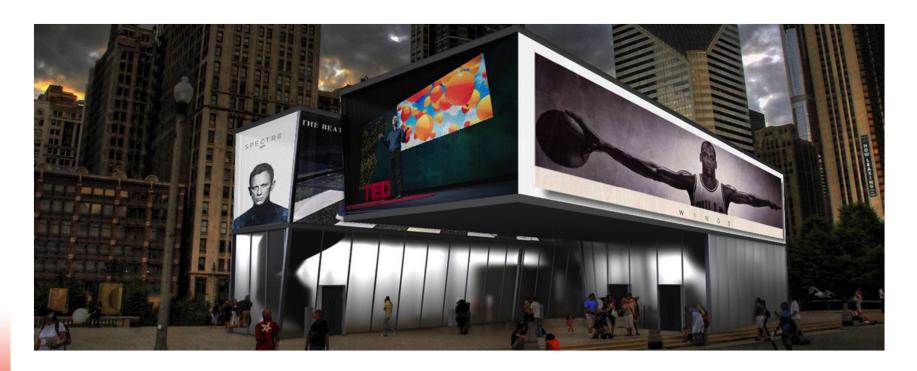


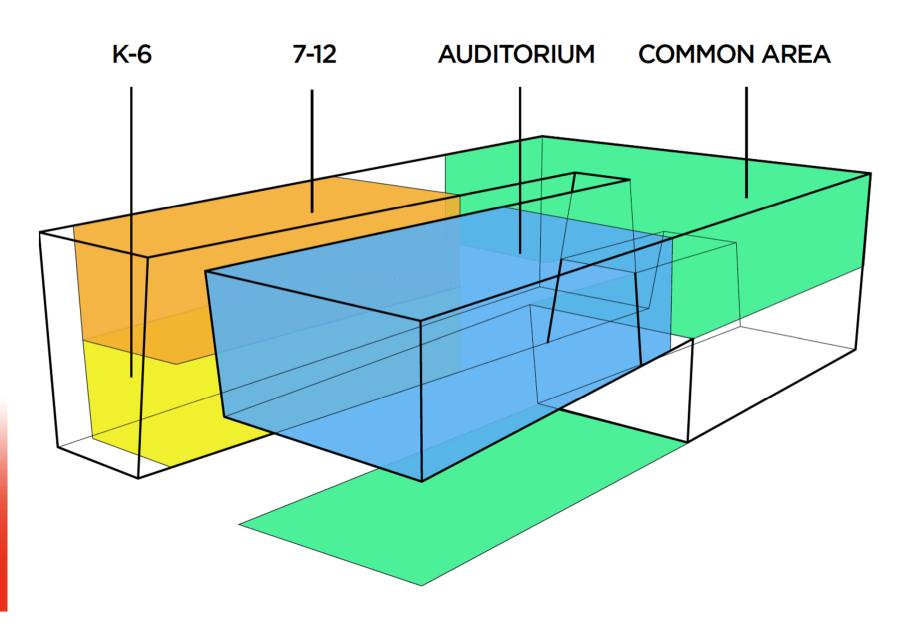


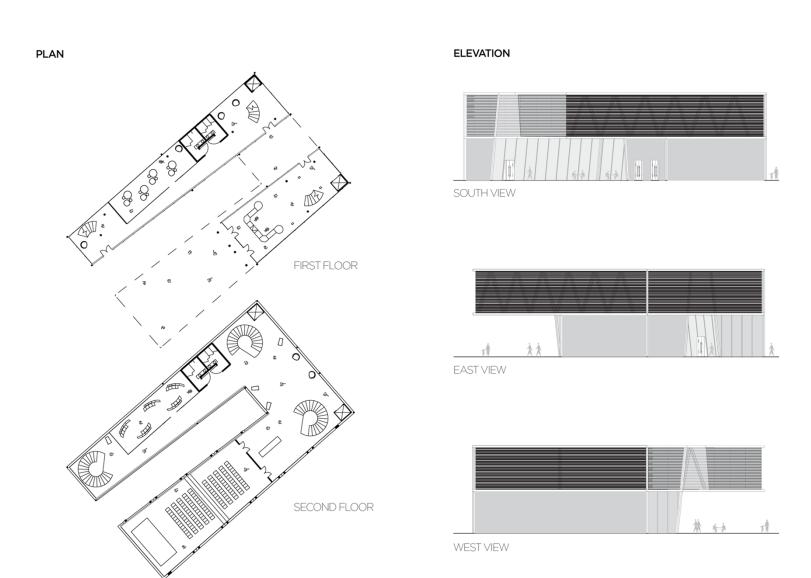




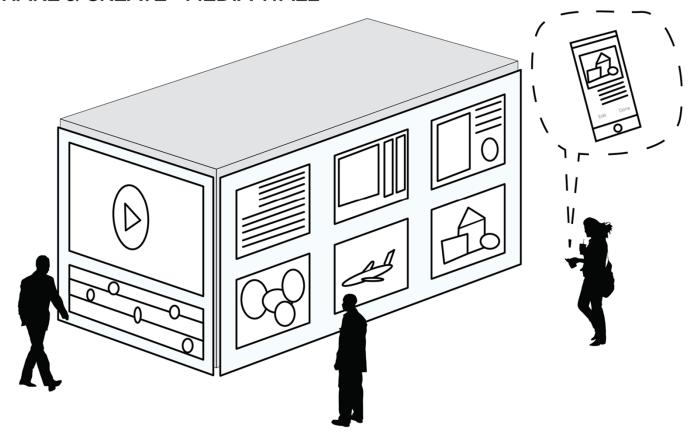








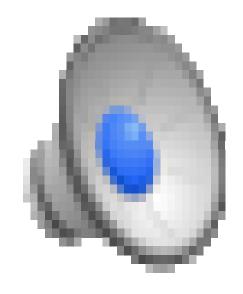
SHARE & CREATE - MEDIA WALL



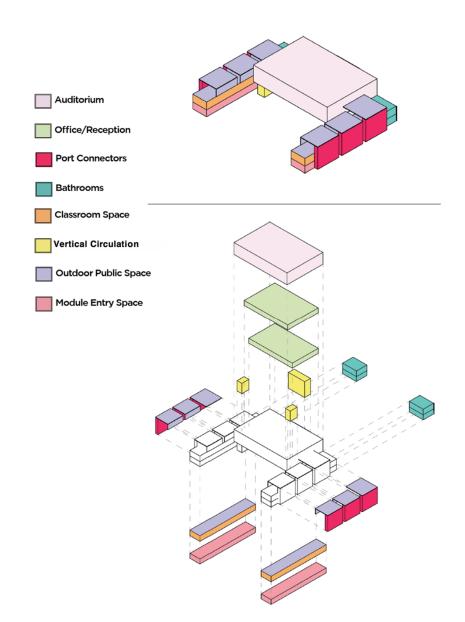
Portal



PORTAL-VIDEO



Portal













Portal

Module Mutations

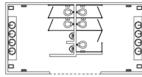
Modules of Utility:

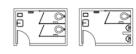
These are some examples of PORTAL's possible Modules of Utility. These are bonus additions to any other module, Advantages consist of verticle circulation, storage of furniture, and bathrooms.

These are commonly used modules that can be function for any division of education. These consist of a lecture room, cluster classrooms/co-op spaces, private administration and staff offices, and communal areas.



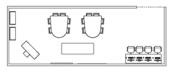


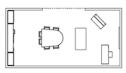




Program Specific Modules of Learning:

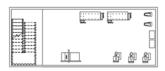
These are modules that can be used for specific divisions of education. These can be broken down or shared by the programs of study. Business, Construction, Culinary, Design and Nursing. Using a mixture of both innovative and tradition technology inside the modules to create the ideal 21st century learning enviornment.



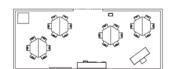




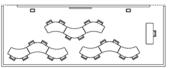






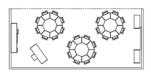


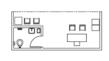
Multi-Purpose Modules of Learning:











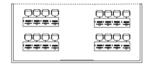


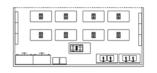


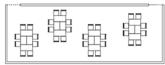












INNOVATE S

growCODE









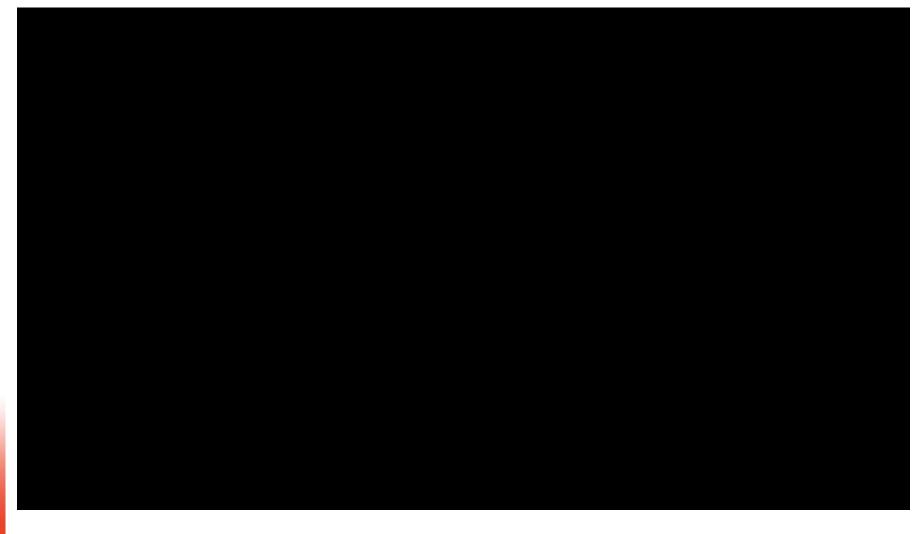


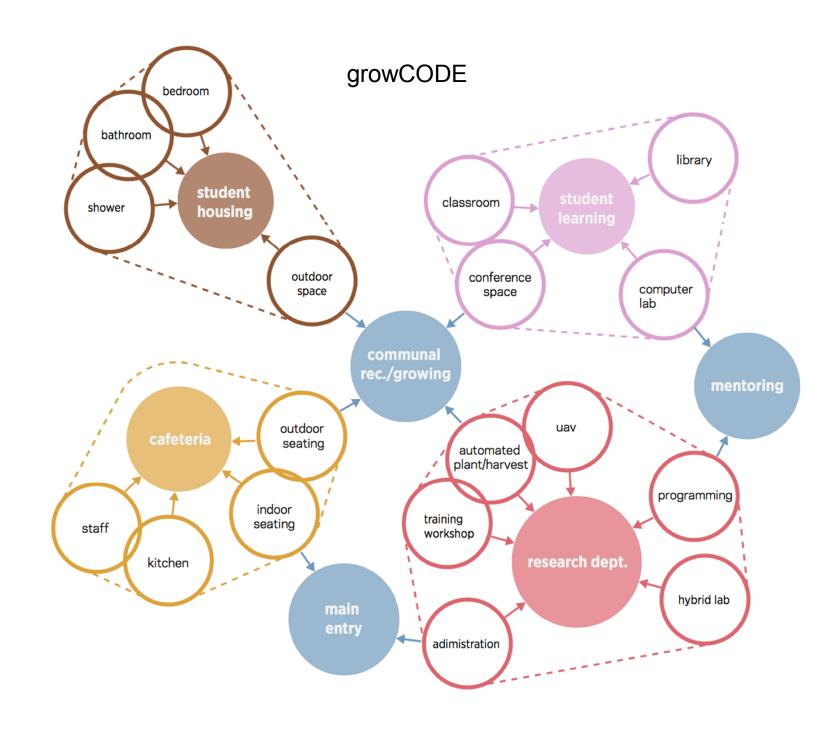




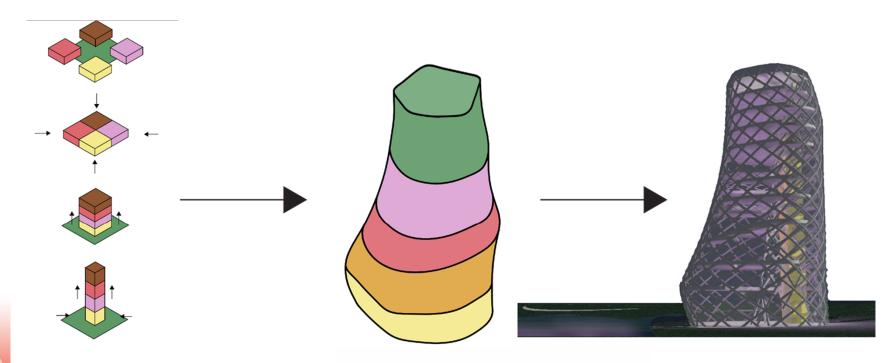


growCODE-VIDEO





growCODE



Panel Discussion

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