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Collaboratorium: Designing Fluid Educational Spaces

July 12, 2021

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The background is a blue-tinted architectural rendering of a modern, multi-level educational space. It features a central open-plan area with people sitting on the floor in a circle, others standing and talking, and a mezzanine level with a glass railing. The walls are covered in whiteboards with various diagrams and text related to machine learning and data science. The overall atmosphere is collaborative and dynamic.





Learning Styles - Fluidity is Equity



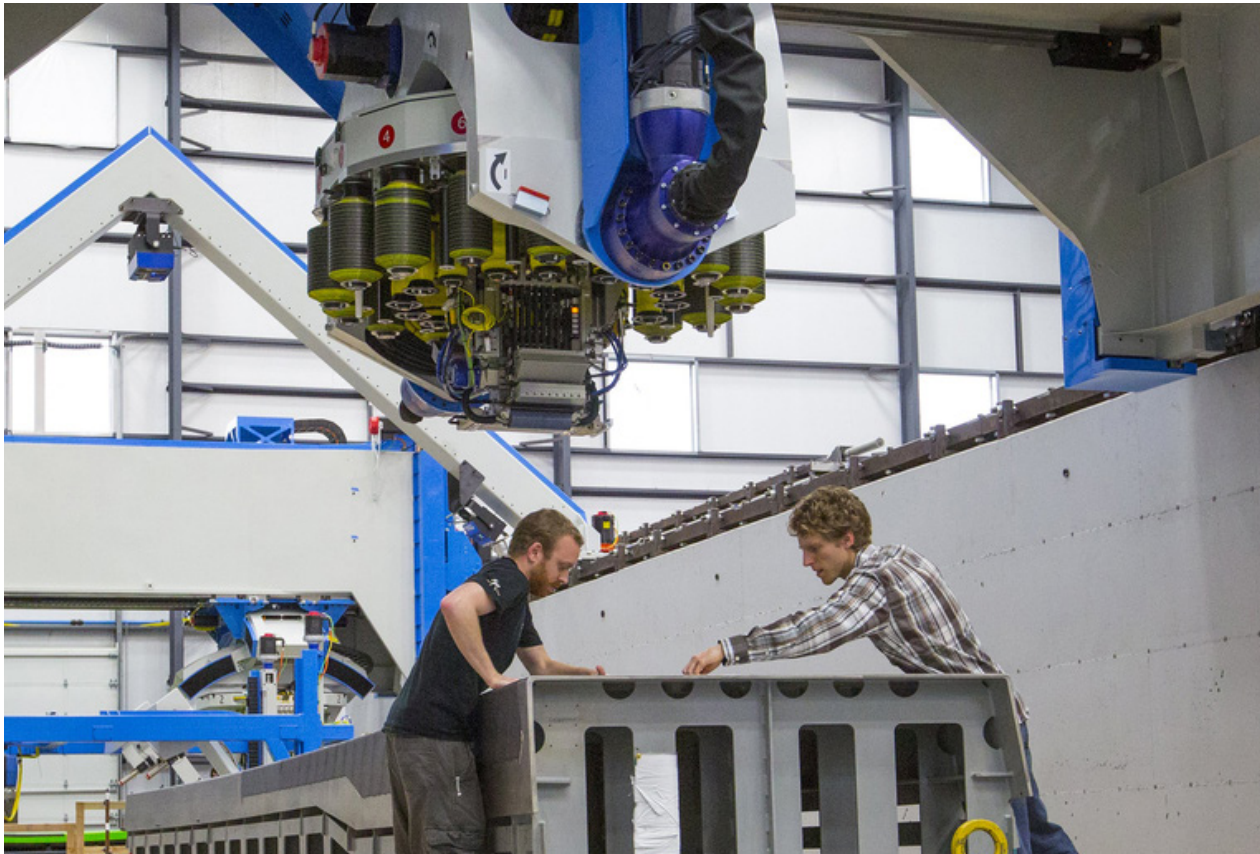
Where do good ideas come from?



The Liquid Network - An Ecosystem of Resources



Promoting Idea Exchange - Technical, Methodological and Social Skills





- Recruitment of New Energy
- Retainment (Job Satisfaction)
- Career Path Understanding
- 360-degree Mentoring
- Succession Planning
- Leadership & Soft Skills
- Innovation & Creativity
- Critical Thinking
- Cultural Mindset

L3Harris Case Study - Breaking Out of the Box



L3Harris Case Study - 3 Teams, 3 Spaces, 3 Results

Traditional Conference



26
Ideas

UxC

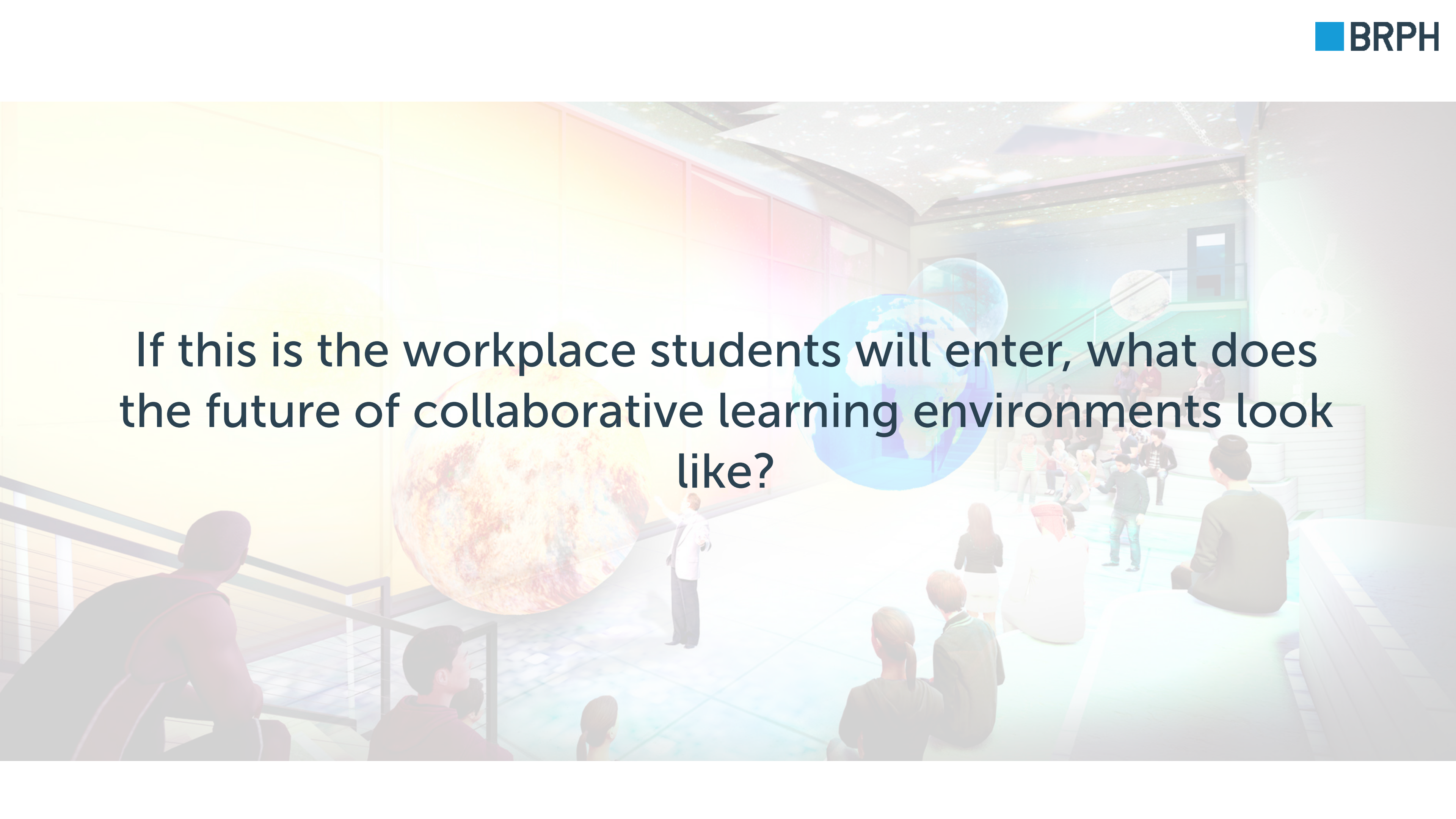


46
Ideas

i-Hub



102
Ideas



If this is the workplace students will enter, what does the future of collaborative learning environments look like?

Lyman Career Innovation Center - Cross-Disciplinary Engagement

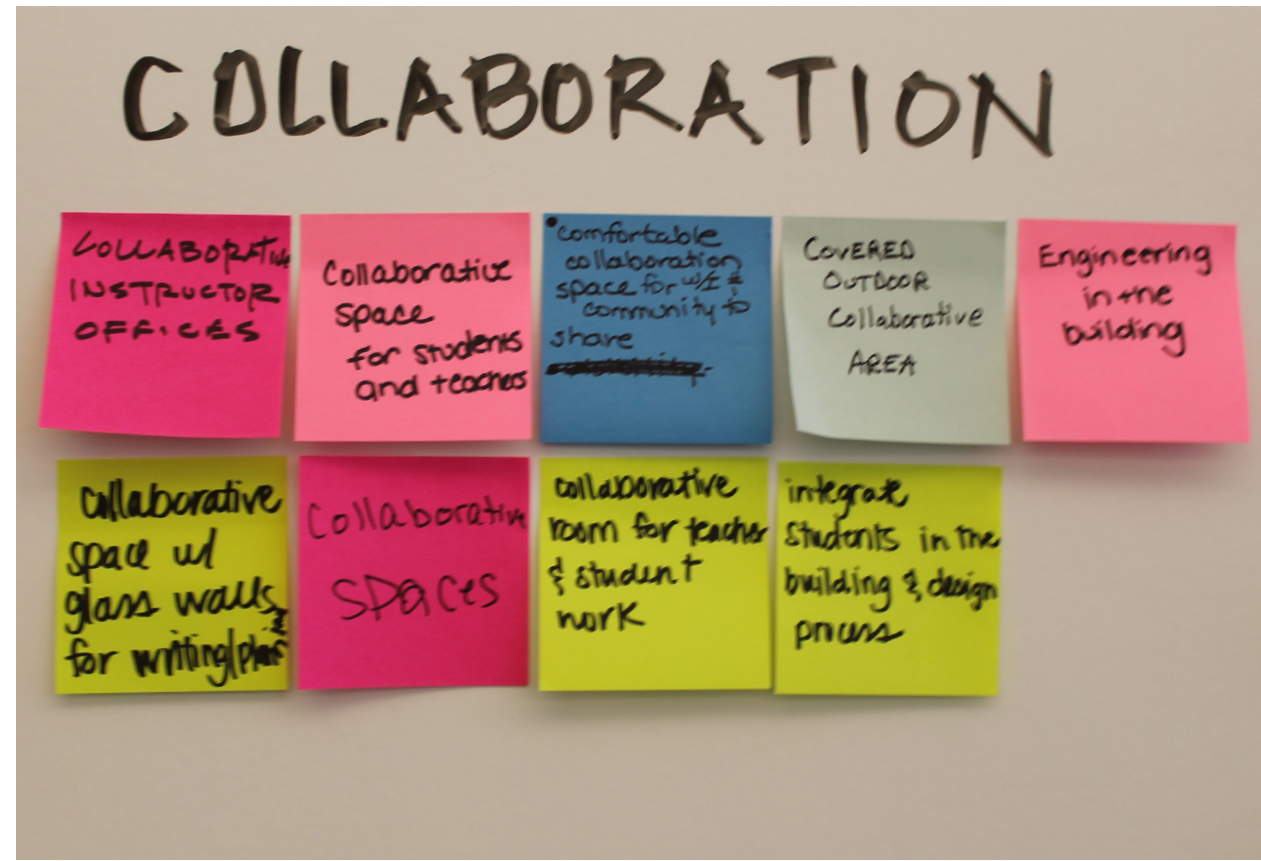




- Enrollment & Retention
- Access & Equity
- Need for Soft Skills
- Siloed Students
- Lack of Cross-Disciplinary Engagement - "On/Off Ramps"
- Public Perception
- Lack of Funding for Professional Development



A request for something new, a **differentiator** for Seminole County. A space that offers an **opportunity** for students and faculty to **bolster** their respective programs in new ways.



- A process for ongoing student voice and opportunities to meet with current industry leaders
- Local internships and job offers, soft skill development for interviewing
- Flexible education space

- Collaborative space for teachers, business partners and stakeholder
- Appealing building design to attract students
- Build industry relationships
- Mentorship with experienced trade workers

- Build industry relationships
- Future-ready students with critical thinking and problem-solving skills
- Creation of cross-curricular projects and communication

Think Sites



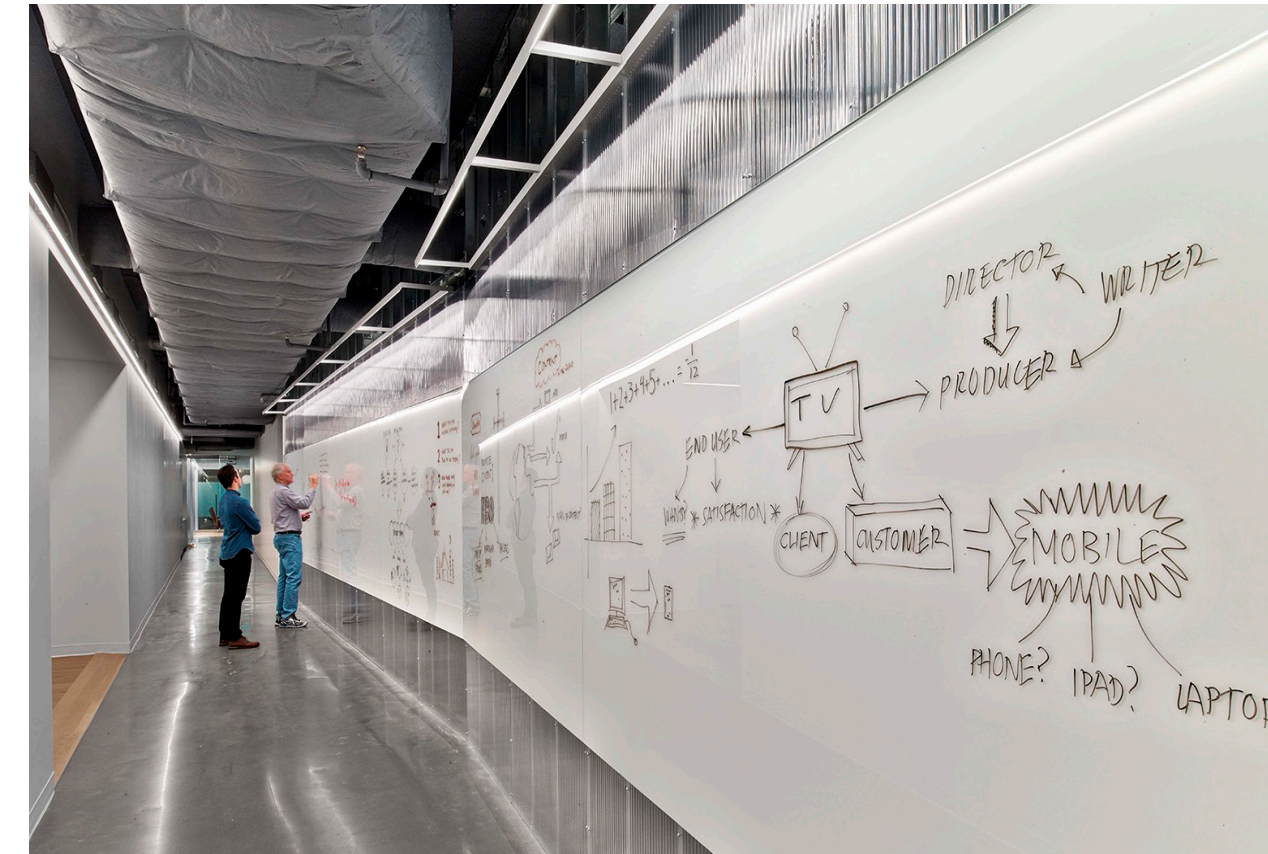
Where a teacher and a few students can work together

Impact Sites



Accommodate a half or full class and sometimes serves as a presentation area

Experience Sites

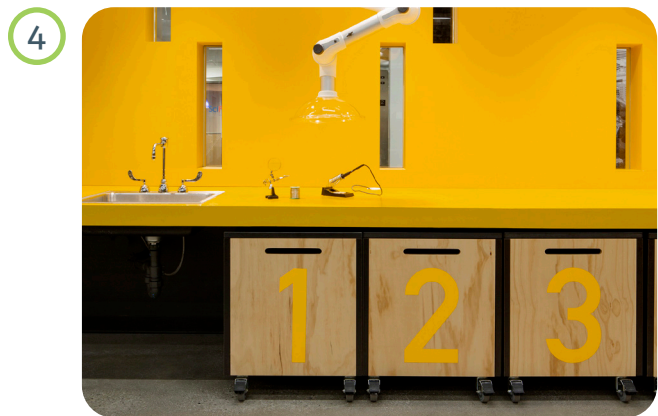
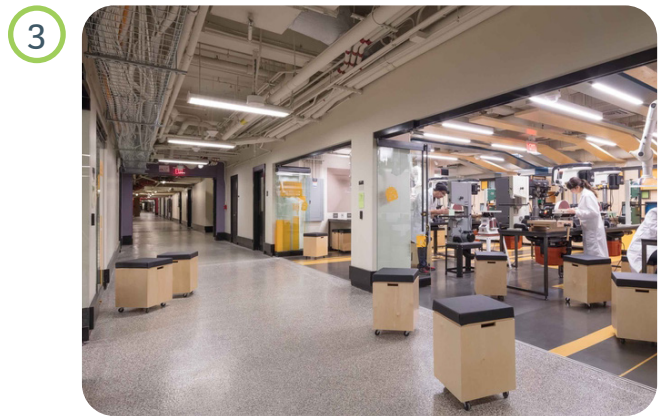





Idea gathering spaces (Dynamic or static)

Collaboratorium

A space which cultivates an **intentional** intersection between pedagogy and practicum so students can hone critical thinking skills and develop a **cross-disciplinary** mindset. Through **sustainable** collaboration, students, faculty, the community, business leaders and beyond can have engaging and **impactful** “conversations” that spur innovation in thought and ideas.

Lyman Career Innovation Center - A Fluid Network of Learning Spaces



-  Collaboratorium
-  "Think site"
-  "Impact site"
-  "Experience site"
-  View opportunity

What are the possibilities?

- Student presentation area (real-time and display areas)
- Project exhibit
- Host club, student organizations
- Provide a space for local industry groups to meet
- Community education evenings
- Soft skill development (i.e. mock interviews, student-guided tours, resume workshops)
- Curriculum on display for prospective and existing students
- Wall for displaying accolades and achievements
- Building as a teaching tool
- Hands-on learning tool area for tinkering, prototyping, etc
- Project-based learning zones
- Space for crowd-sourcing ideas
- Problem of the day





Impact and Experience Sites









What is next?



GRADE-IENT







What does your Collaboratorium look like?

Questions?