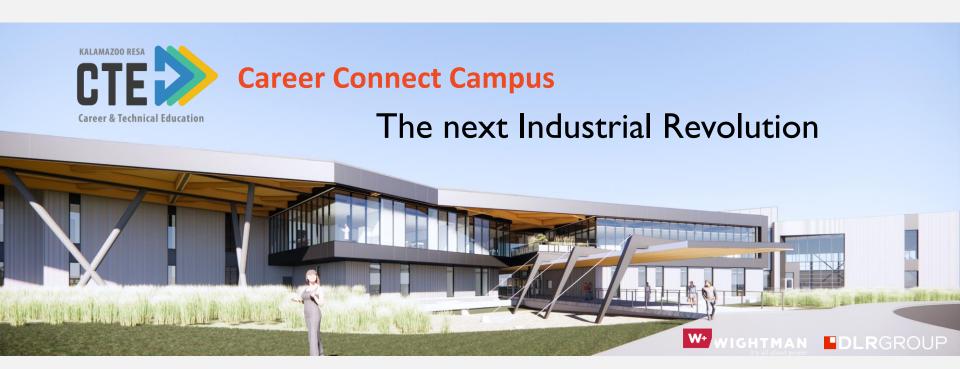


Career Connect Campus – Summary

- Funded by an Anonymous Donor
- Project Budget \$100 Million
- Square footage 162,000 Square Feet
- Kalamazoo Regional Éducation Service Agency's (KRESA) Career Connect Center
 - Serves
 - 9 Public School Districts
 - 6 Public School Academies
 - 23 Other Area District Schools
 - 13 Non-Public Schools
 - Employes
 - over 800 people
 - Capacity
 - 700 Students
 - Pathways
 - 24 Course Offerings
- Securing community commitment & investment
 - CTE Operational Millage Campaign
 - Public-private partnership with SMF
- NOV. 5, 2019, Operational Millage Passes 60% Yes > 40%





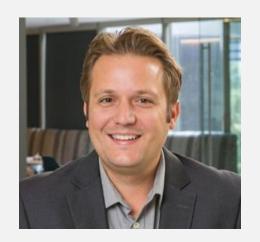




Presentation Team



Leanne Meyer-Smith
AIA, NCARB, LEED BD+C
DLR Group
Principal | K12 Education Leader



Matt Brehmer

AIA, NCARB

DLR Group

Principal | CTE Planner & Designer



Greg Monberg

AIA, MBA, ALEP, LEED AP BD+C

Wightman

Principal | Director of Architecture



If we teach today's students as we taught yesterday's, we rob them of tomorrow.



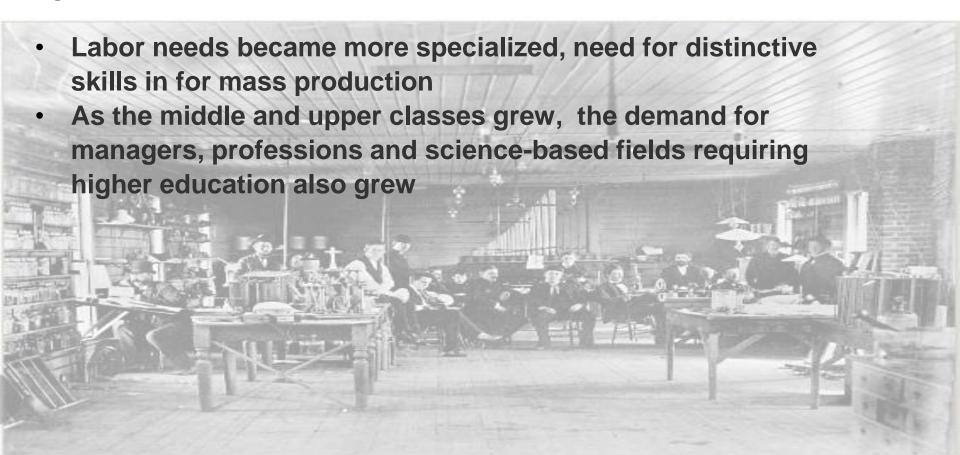
Industrial Revolution I

Age of Mechanical Production 1760-1840

- Change from agrarian | handicraft economy to industry and machine economy
- Employment opportunities grew factories in cities.
- More opportunities, goods, and wealth created a growing middle class eager for steady factory work

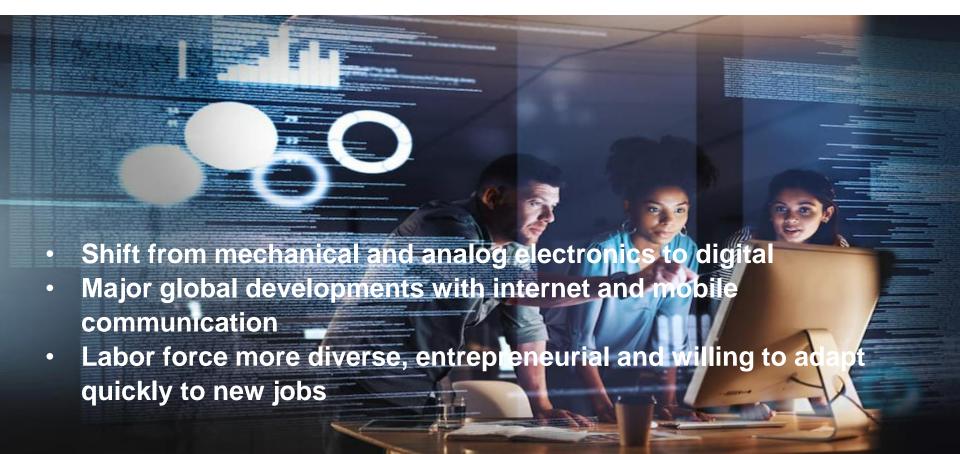
Industrial Revolution 2

Age of Science and Mass Production 1840-1990s



Industrial Revolution 3

Age of Digital and Global Opportunities 1990s - ongoing



Industrial Revolution 4

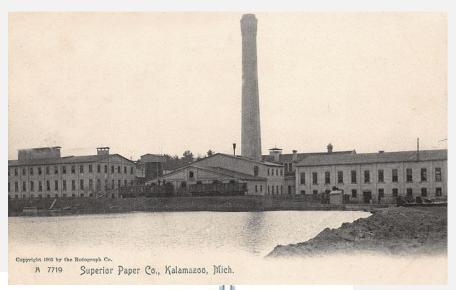
What's next? – expected to be in full force 2030s



What does this mean for future labor force (students)?



- Aligned to support quick development of labor needs
- Adaptable to diverse new types of jobs not yet invented
- Meet student needs with multi-directional approach to gaining knowledge and skills







Trends in Career and Technical Education (CTE)



6 in 10 students plan to pursue a career related to the CTE area they are exploring in high school.



or more of CTE students are planning to continue with post-secondary education.



Graduates report wishing they had more real-world opportunities in high school.



According to The National Science Foundation of the jobs created in the next decade will require some form of math and science skills.





19% Computing

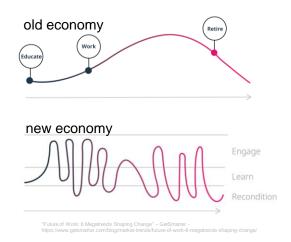
12% Engineering

16% Advanced Manufacturing

23

Number of states that require CTE curriculum for graduation requirements

Push and Pull

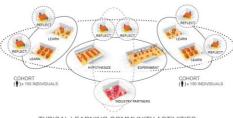


our youth are pushing and the workforce is pulling - education and educational facilities must change to meet those needs



150 PEOPLE IS THE SIZE OF POPULATION YOU CAN KNOW

how do we make learning authentic and scalable?

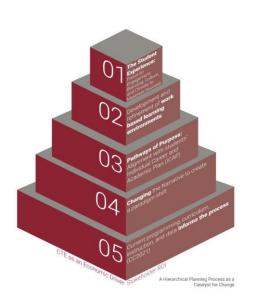


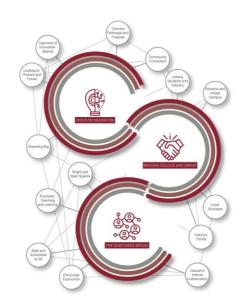
TYPICAL LEARNING COMMUNITY ACTIVITIES

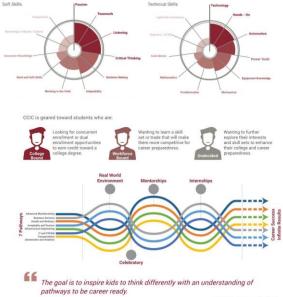
how do small learning communities enhance individual learning plans that support pathways with a purpose?

Four Big Ideas

paradigm shift, innovation, soft skills, pathways and the spaces in between



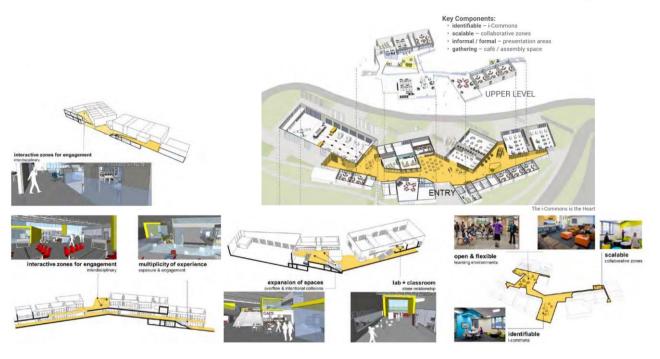




The i-Commons: The In-between Spaces

This is the 21st century equivalent of a vocational center ... I can't remember the last time I've seen something like this; it's so exciting.

- Jared Polis, governor, Colorado

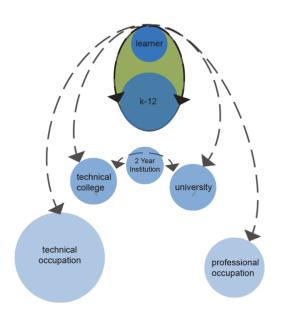


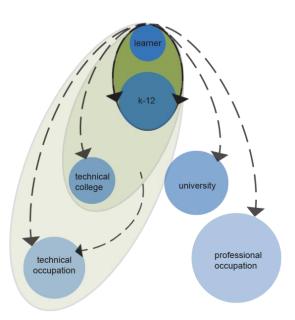


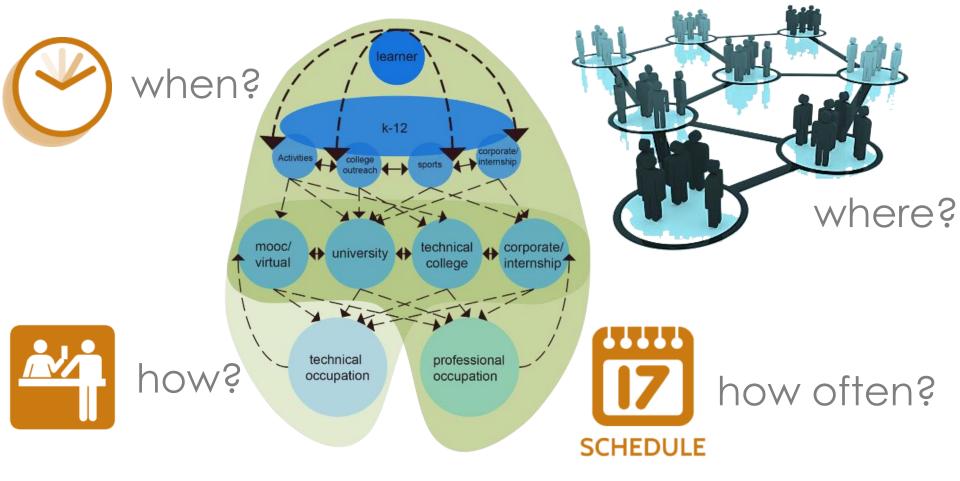




Traditional Pathways







MULTI-DIRECTIONAL PATHWAYS WIGHTMAN EDLRGROUP





Realizing Your Vision

COURSES AT CAREER CENTER

Agriculture, Food and Natural Resources

• 01.0903 Animal Health and Veterinary

Sciences

 01.0000 Agriculture, Agricultural Operations and Related Sciences

Architecture and Construction Trades

46.0000 Construction Trades
 46.0301 Electrical and Power
 Transmission Installation

46.0503 Plumbing Technology

 47.0201 Heating, Air Conditioning, Ventilation and Refrigeration

Energy

46.0303 Line Worker

Health Science

51.0000 Health Sciences/Allied Health/Health Sciences, General
 51.1000 Clinical/Medical Laboratory Science/ Research and Allied Professions
 51.0707 Health Information/Medical Records Technology/Technician
 26.0102 Biomedical Sciences, General

Hospitality and Tourism

12.0500 Cooking and Related Culinary Arts, General

Information Technology

 11.0801 Digital/Multimedia and Information Resources Design
 11.0201 Computer Programming/Programmer
 10901 Computer Systems Networking and Telecommunications

Law, Public Safety and Protective Services

43.0100 Public Safety/Protective Services

Manufacturing and STEM

48.0501 Machine Tool Technology/Machinist
48.0508 Welding, Brazing, and Soldering
14.4201 Mechatronics

Transportation, Distribution and Logistics

 47.0399 Heavy/Industrial Equipment Maintenance Technologies
 47.0603 Collision Repair Technician (ASE Certified)
 47.0604 Automobile Technician (ASE Certified)

New

- Supply Chain
- Design





Core Visioning Goals









Core Principles

Flexibility

Culture / Pride

Project Based, Real-world Learning

Branding

Inclusion

Intersections / Partnering

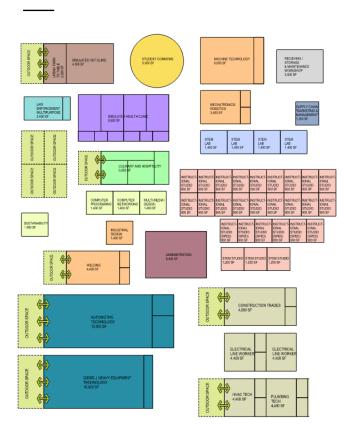
Planning For Growth / Future-proofing

Ease Of Navigation

Anywhere/Anytime & Outdoor Learning



Program Breakdown



Depa	rtment / Space	Subtotal Net Area	
	Agriculture, Food & Natural Resources	6,355	
	Architecture & Construction Trades	14,400	
Ø,	Energy	1,400	
•	Health Science	9,500	
	Hospitality & Tourism	4,945	
Ψ	Information Technology	4,200	
*	Manufacturing & STEM	16,000	
Δī	Law, Public Safety & Protective Services	2,400	
=	Transportation, Distribution & Logistics	22,000	
+	New / Innovation	1,200	
	Learning Studios	21,600	
	Administration	6,358	
2:2	Commons	9,640	
 	KAMSC	9,200	
X	Building Support	7,392	

Total: 181,665



Tours + Benchmarking







CTE Career & Technical Education

Visioning Workshop #1

The Purpose of visioning workshop #I was to review the tours of facilities, present CTE trends and develop a challenge statement for the project vision, and to synthesize core visioning goals from the group.

Review Tours

Cherry Creek Innovation Academy



West-MEC SW Campus



Canyon View High School



One on One Interviews



- Empathy
- What a successful project looks like.
- What do we need to achieve and why?
- Challenge Statement



Visioning Workshop #2: Charrette!

The purpose of visioning workshop #2 was to review the core ideas from workshop #1, to introduce current CTE facility planning trends, to present design concepts, and to develop designs for specific building areas through the sandbox exercise.

Sketches from 6 Tables



















"Learning Park / Practice Field"









Table 5



Visioning Workshop #3: Program, Adjacencies & Site

The purpose of visioning workshop #3 was to review the previous workshop findings, introduce the program and adjacency needs and introduce the site plan to develop preliminary layouts from each group

World Class Facilities









Kalamazoo



Program Blocks



Site Introduction







Visioning Workshop #4: Program, Adjacencies & Site

The purpose of visioning workshop #4 was to take a deeper dive into The program and its layout on the intended site. Develop a consensus on a preferred design option and synthesis the findings.

Incorporate Additional Challenges

- 1. How is nature incorporated into the design? Green space, water, bridges?
- 2. How is natural day-light incorporated into the design? Views to the outside, skylights, clear-stories?
- 3. What is the student experience vs. partner / visitor experience? Entry, access, security?
- 4. HAVE YOU USED ALL THE PARKING PIECES? SNOW / WATER RUN-OFF, PEDESTRIAN ACCESS, GREEN BREAKS?
- 5. HAVE YOU USED ALL THE FUTURE PHASE PIECES? HOW CAN WE FUTURE-PROOF OUR SITE PLANNING AND LAYOUT?

Vote on Concepts







Proposed Concepts







Table ,

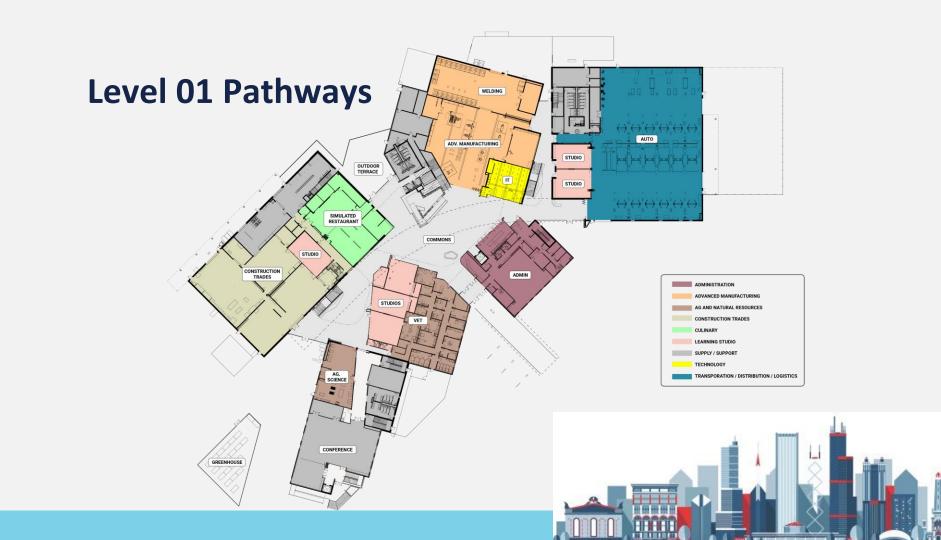






Table 4



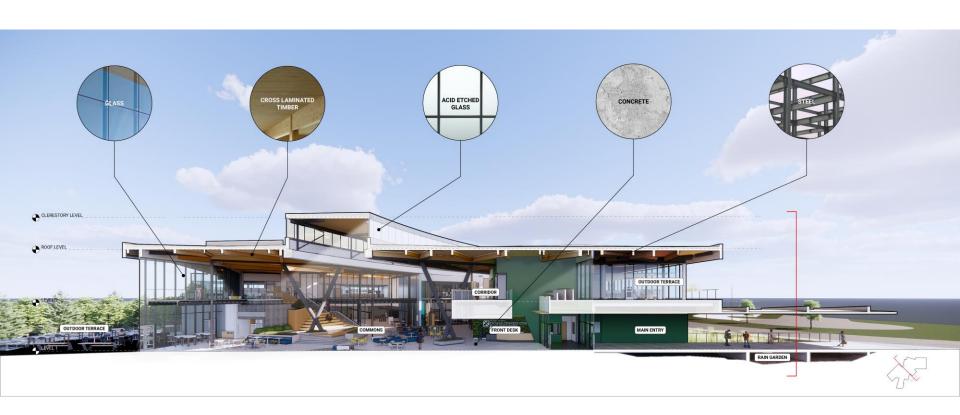


PREVIOUS MANEUVERS

KRESA



WWW.GHTMAN LDLRGROUP



Central Commons



Central Commons



Cafe



South Commons



Central Commons



Commons



Learning Terrace



Groundbreaking Celebration | September 30, 2022















