WHERE DO WE GO FROM HERE?

ENVISIONING THE FUTURE OF SCHOOL LIBRARIES

Leah Hamilton Director of the Phelps Library & STEAM Lab Makerspace We can learn a great deal about what may happen in the future by looking systematically at what is actually happening now.

EDWARD CORNISH





STEAM Lab Makerspace – Clean Technology

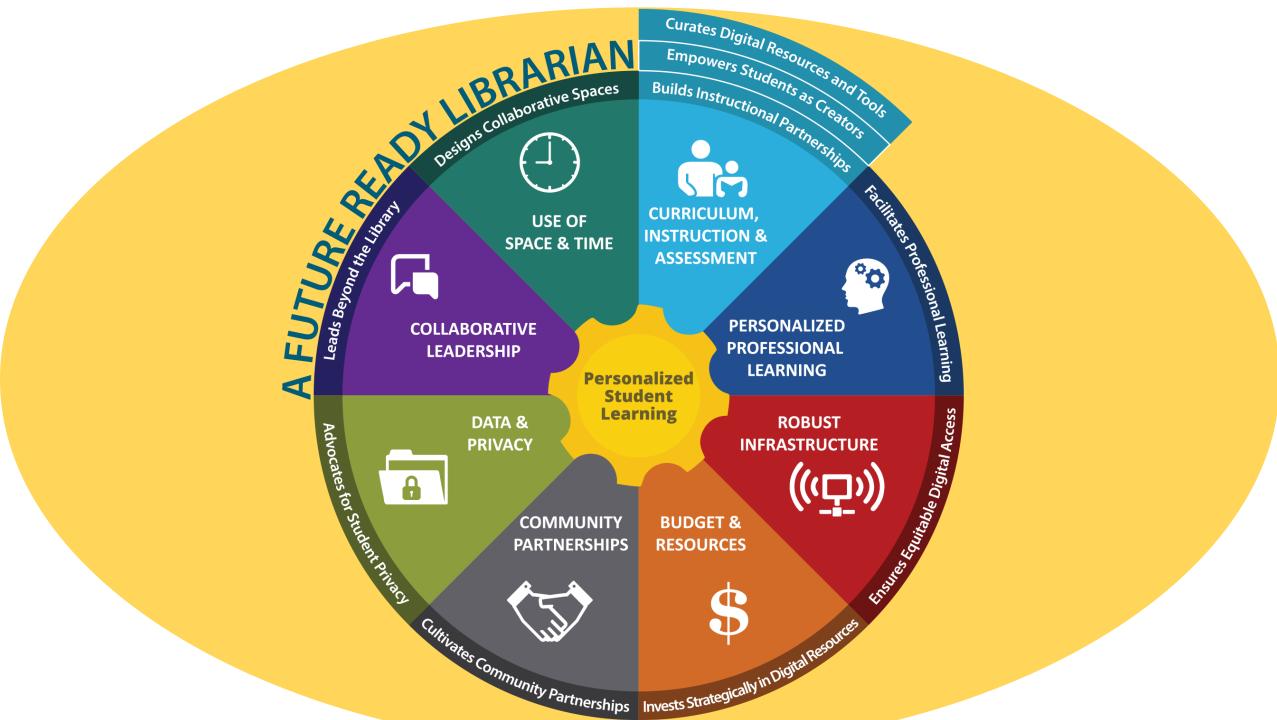
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LEGO FUN!

STEAM Lab Makerspace – Dirty Technology

Remove all preconceived notions of what you can and/or can't (or aren't supposed to) do as a library.

CHANGE

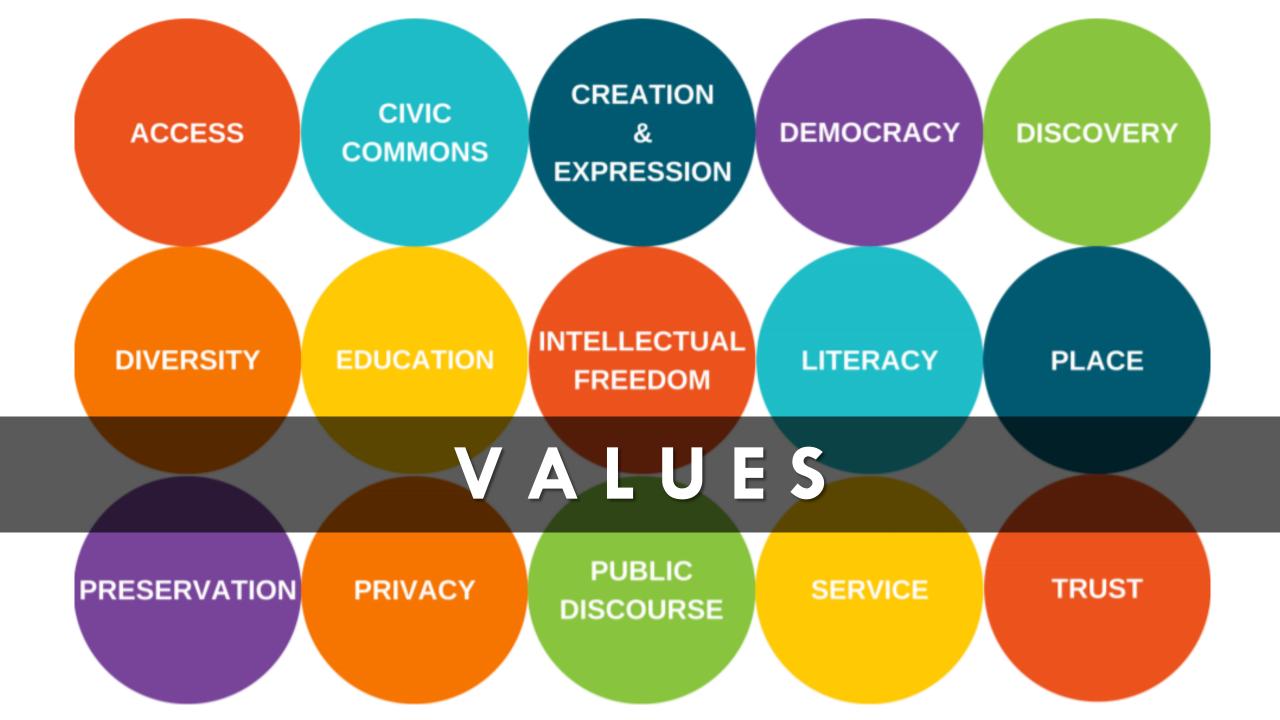


The signals for the future arrive as **INBOUND CHANGE** (change that happens to us) and we build our future through OUTBOUND CHANGE (change that we create ourselves).

MIGUEL FIGUEROA

AMERICAN LIBRARY ASSOCIATION CENTER FOR THE FUTURE OF LIBRARIES

ORGANIZATIONAL

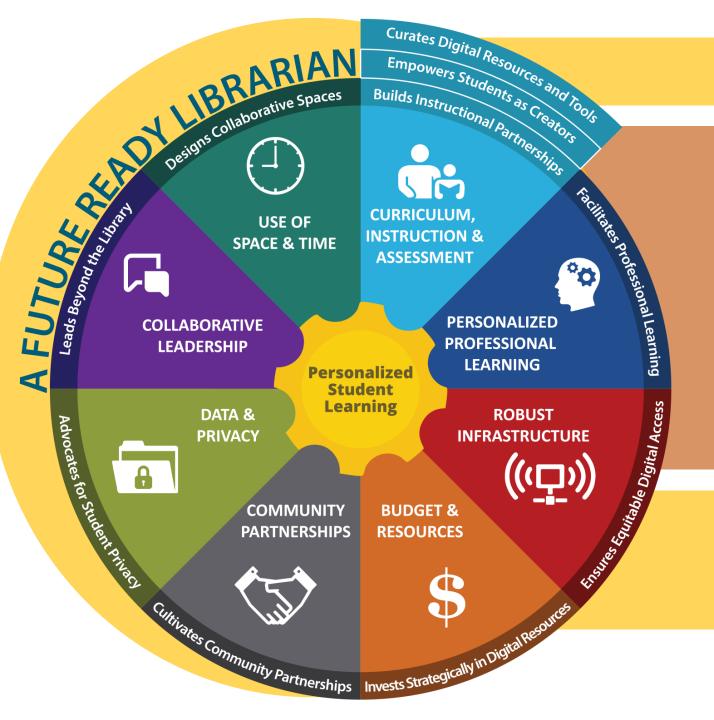




Policies



ADVOCATE FOR CERTIFICATION INCENTIVES

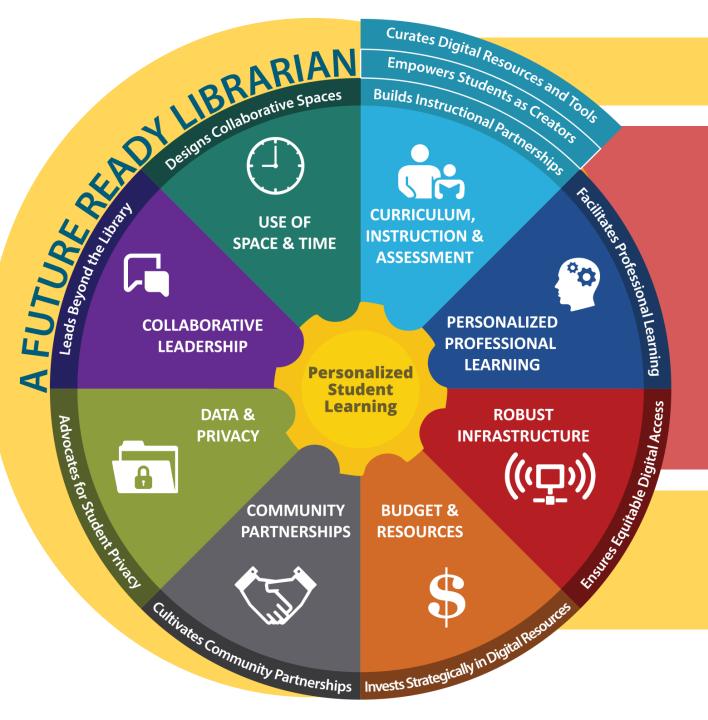


Budget & Resources

MAKERSPACES

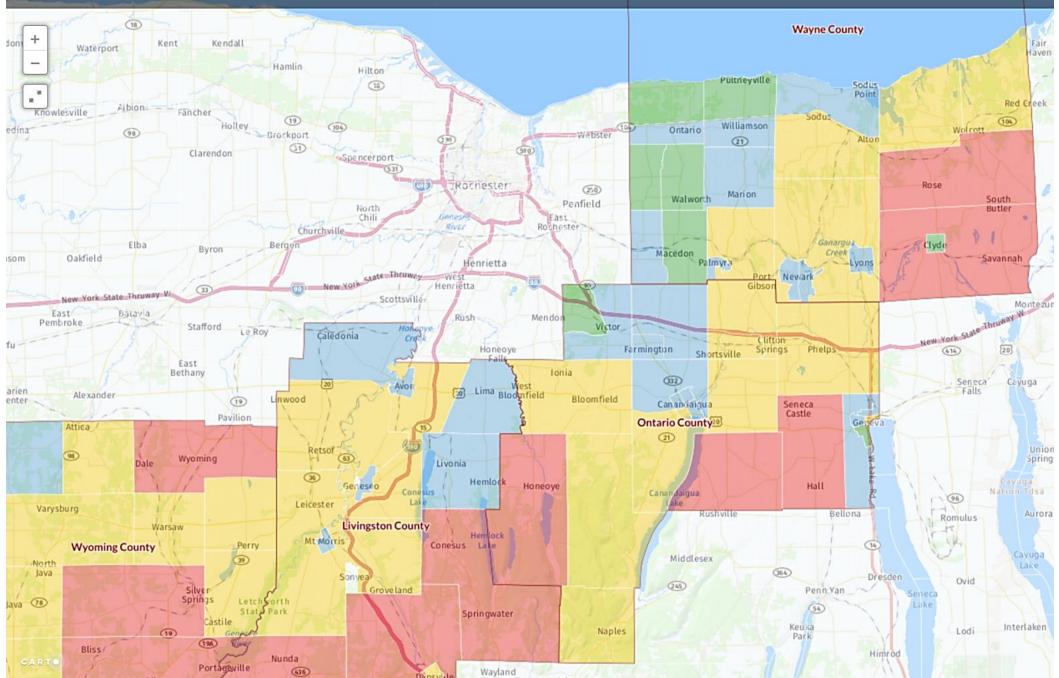




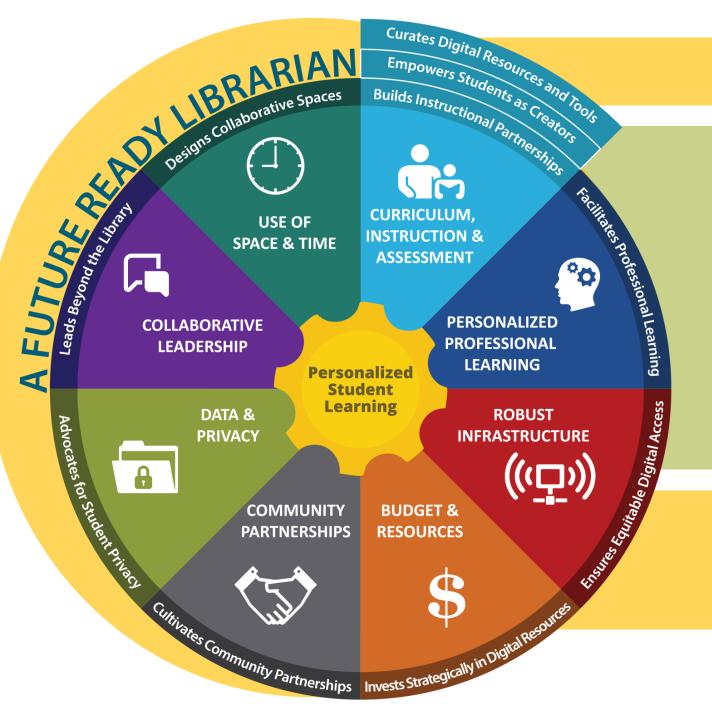


Robust Infrastructure

Ontario, Livingston, Wayne and Wyoming County Census tracts: Percent of households with fixed Internet connections at download speeds of 10+ Mbps, December 2016 Source: FCC Form 477 Census tract data for December 2016



Zone	Number of districts in that zone	Number of W-FL Districts	Needs percentage	School Districts
RED (20%-39.9%)	9	25	36%	Clyde-Savannah, Geneva, Marcus Whitman, Honeoye, Lyons, Midlakes Naples, North Rose-Wolcott, Red Creek
YELLOW (40%-59.9%)	8	25	32%	Bloomfield, Canandaigua, Red Jacket, Marion, Newark, Pal-Mac, Sodus, Victor
BLUE (60%-79.9%)	3	25	12%	Gananda, Wayne, Williamson
GREEN (80% or MORE)	0	25	0%	
(NOT ON MAP)	5	25	20%	Dundee, Penn Yan, Romulus, Seneca Falls, Waterloo



Data & Privacy

A NEW PATHWAY TO SUCCESS









82.7%

http://www.p12.nysed.gov/irs/statistics/hsgrads/2010/table1.pdf



MORKFORCE MILITARY BASEMENT MAN CAVE

-17.3%

EROG

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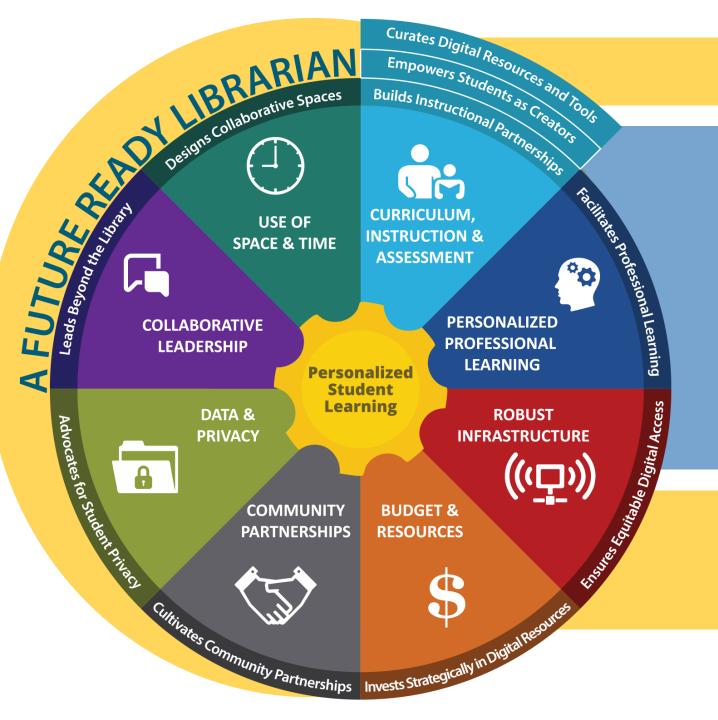
Maybe it's time we rethink things.

Advocate for CTE pathways both inside and outside of your school district.



ENVIRONMENTAL CHANGEE





Personalized Professional Learning



CREATIVITY

requires the courage to let go of certainties.

ERICH FROMM



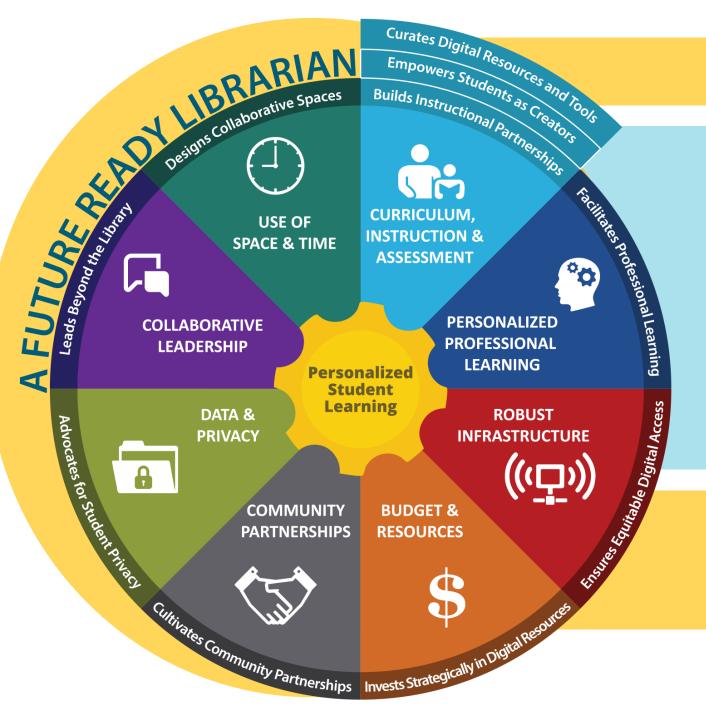






"Envisioning and making the future must be a massively public endeavor.... everyone needs to be a part of the conversation about the future and become actively engaged in making that future."

> MARINA GORBIS "THE FUTURE AS A WAY OF LIFE." (2016)



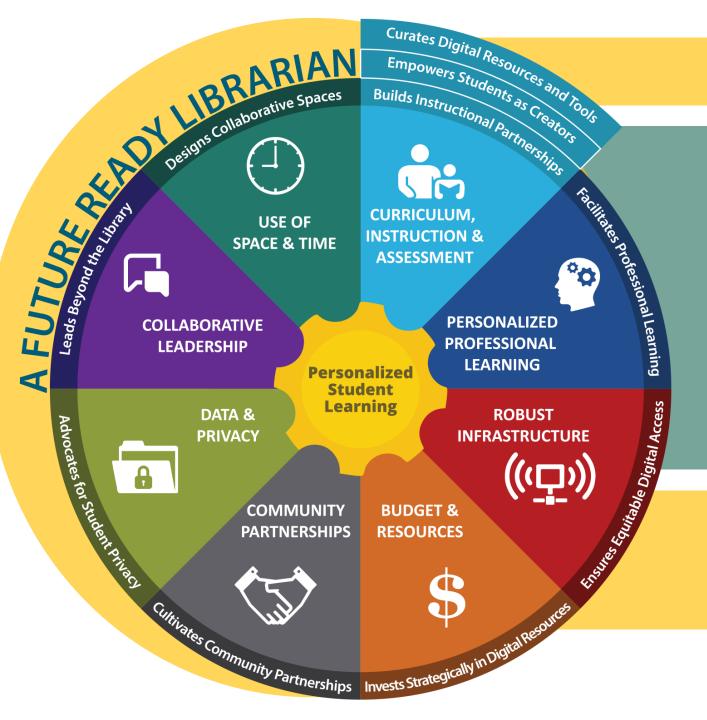
Curriculum, Instruction & Assessment

"The biggest challenge and the biggest opportunity for the maker movement is to **transform education.**

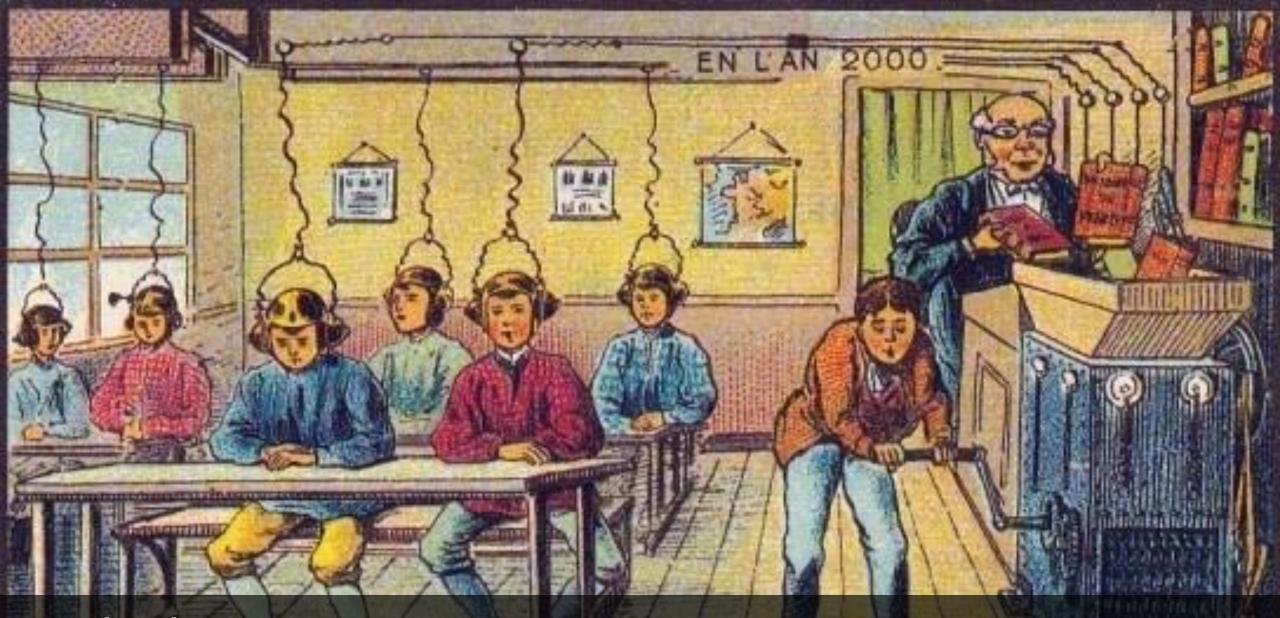
My hope is that the agents of change will be the students themselves."

DALE DOUGHERTY

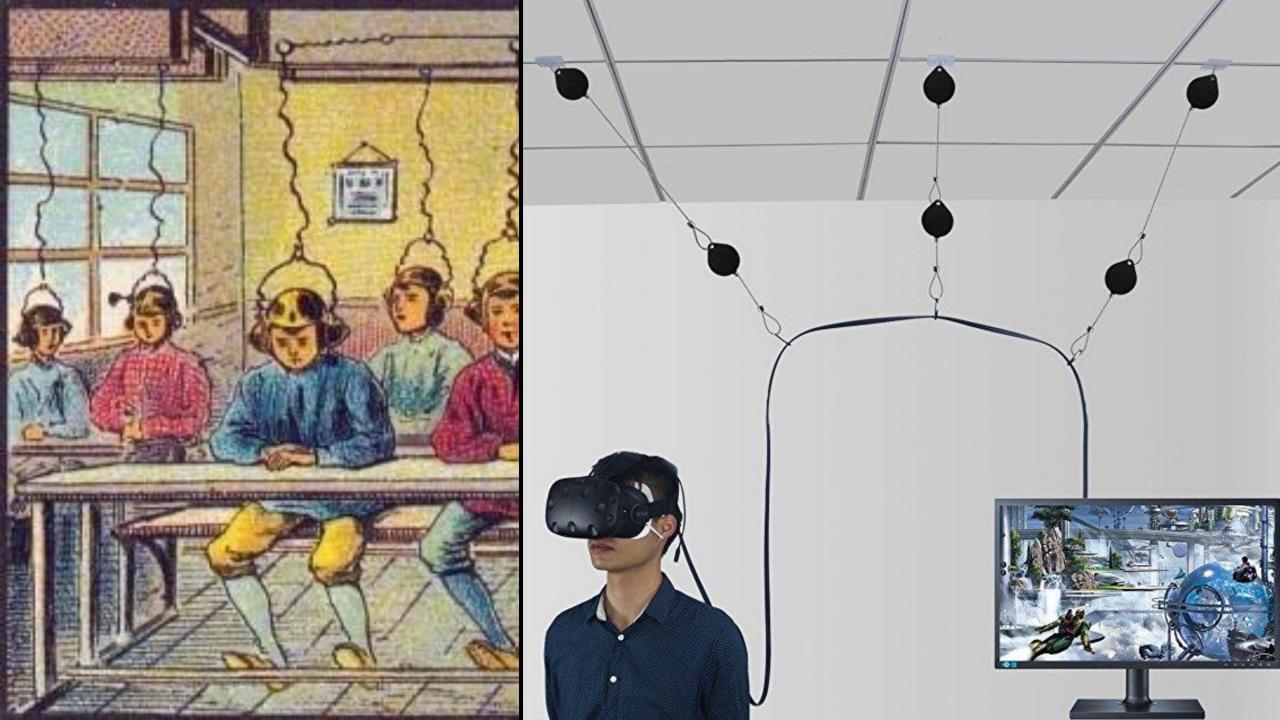
FOUNDER OF *MAKE* MAGAZINE https://Ilk.media.mit.edu/courses/readings/maker-mindset.pdf

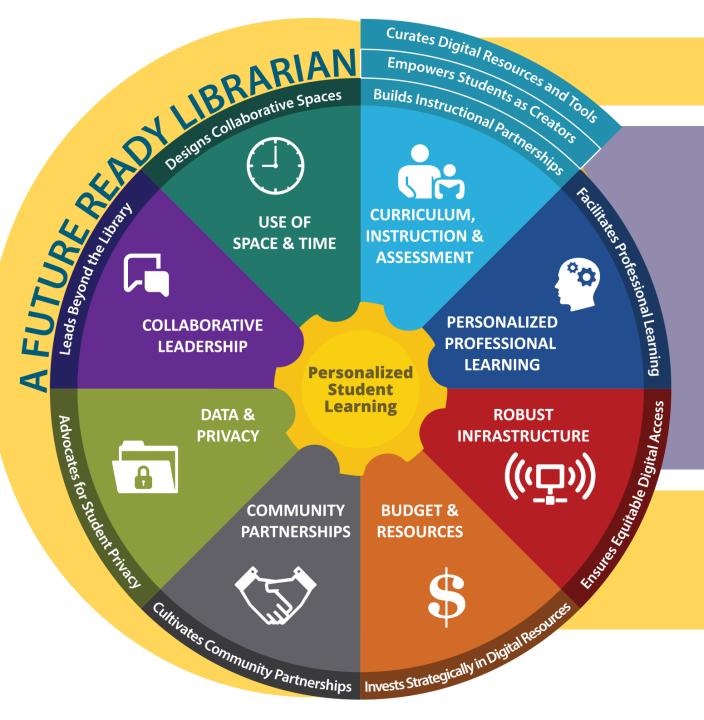


Use of Space & Time



A l'école, Jean Marc Cote, 1901 – education as knowledge transmission





Collaborative Leadership

In the future, basic skills will no longer be taught in classrooms.

M. MCLUHAN

ELECTRONICS & THE PSYCHIC DROP-OUT. (1966, APRIL) P.38.













THE SCHOOL LIBRARY OF THE FUTURE



Find Balance



Find Balance

Nurture Curiosity



Think beyond the outside of that proverbial box.



Find Balance

Nurture Curiosity

Earn Respect





Cultivate Bravery Find Balance Nurture Curiosity Earn Respect

Discover their Why













BRIDGING OUR REGION'S TECHNICAL SKILLS GAP

The STEAM Initiative at the Phelps Library



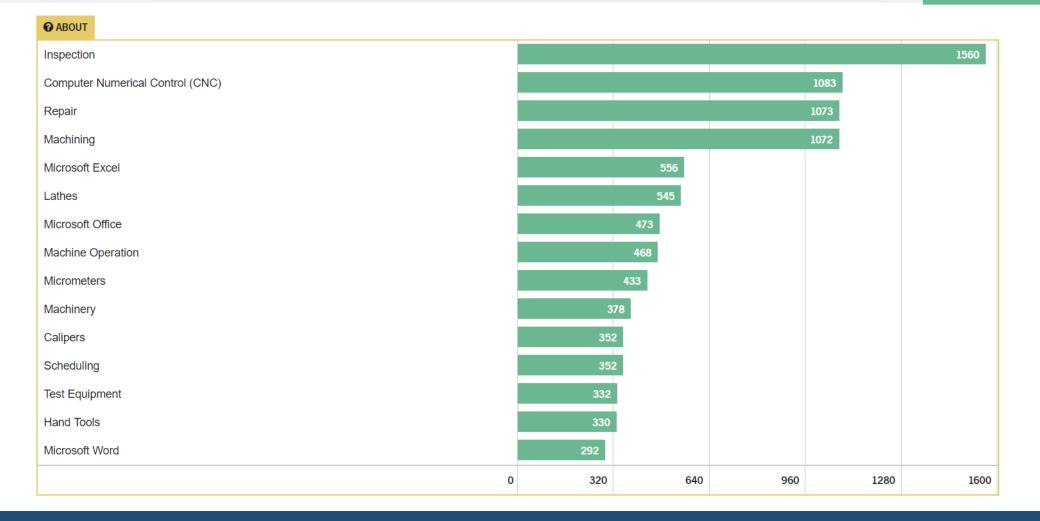
AGGREGATE CLUSTER – MANUFACTURING – FINGER LAK

2.

1. OCCUPATIONAL GROUP DEFINITION

AGGREGATE CLUSTER -MANUFACTURING

6. REAL-TIME LABOR MARKET



Regions experiencing most difficulty filling jobs



STEM jobs hardest to fill currently, and projected to have shortages over the next 5-10 years



Bridging the STEM Skills Gap: Employer/Educator Collaboration in New York

Issued in 2017 by The Public Policy Institute of New York State

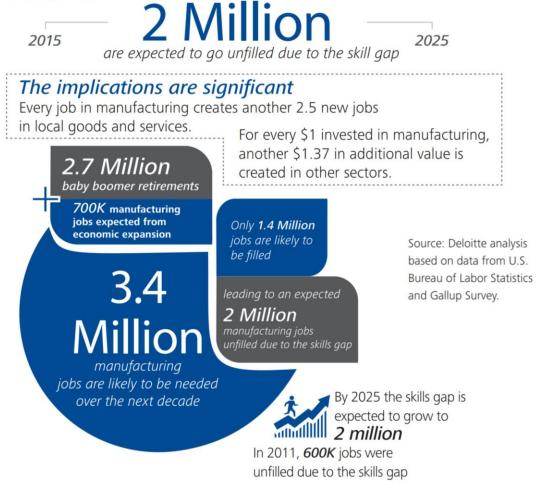
The Skills Gap in U.S. Manufacturing: 2015 & Beyond

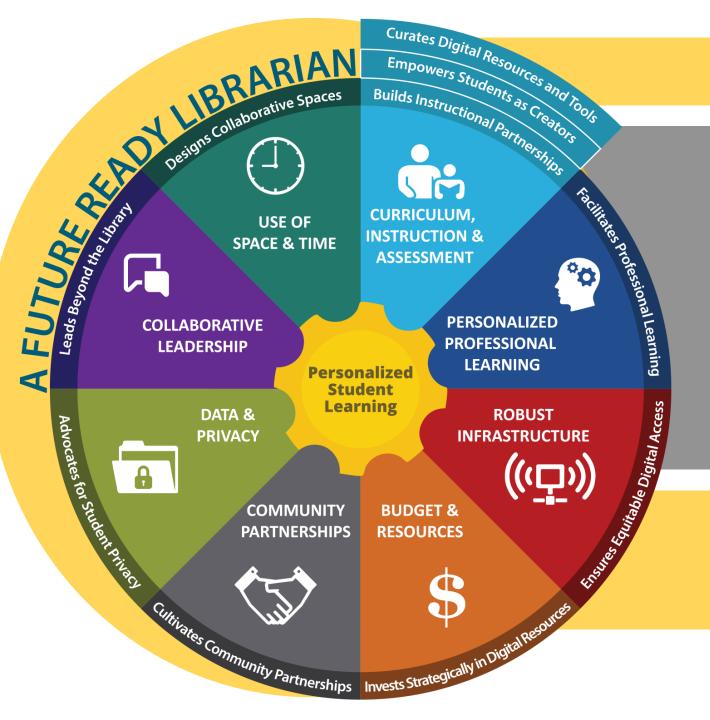
Manufacturing Institute

Figure 1: Skills gap in the U.S. manufacturing industry, 2015-2025

The skills gap is widening

Over the next decade nearly 3 ½ million manufacturing jobs will likely be needed and





Community Partnerships



COMMUNITY PARTNERS

WHY YOU DON'T HAVE TO DO IT ALL YOURSELF



Public Libraries

Parents

Professionals

Municipalities

Industry Leaders



Parents

9 -

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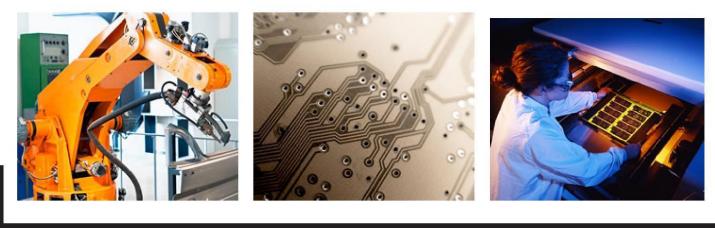
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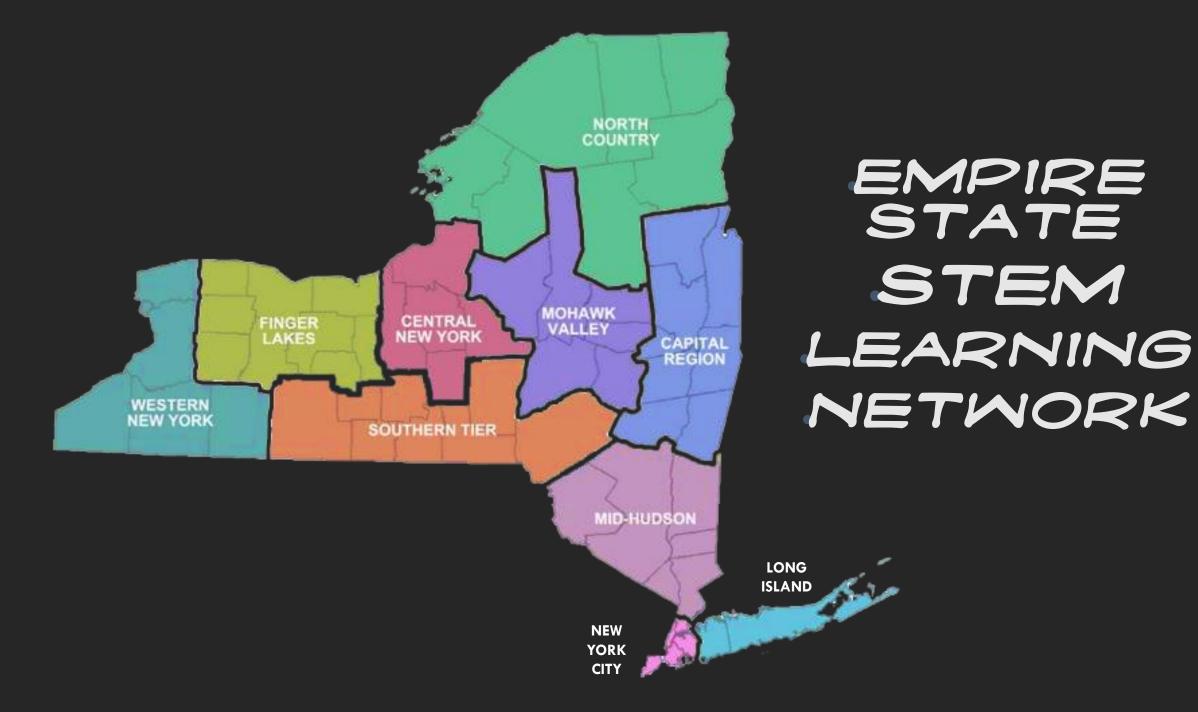
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Retired / Community Professionals

Municipal Collaboration

Finger Lakes Advanced Manufacturers' Enterprise Building Minds that Make It





Local Businesses

XO

Leah Hamilton Executive Director

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Presentation: https://www.phelpslibrary.org/WFLprincipals