Where We're Going We Do Need Roads

Pathways to the Future

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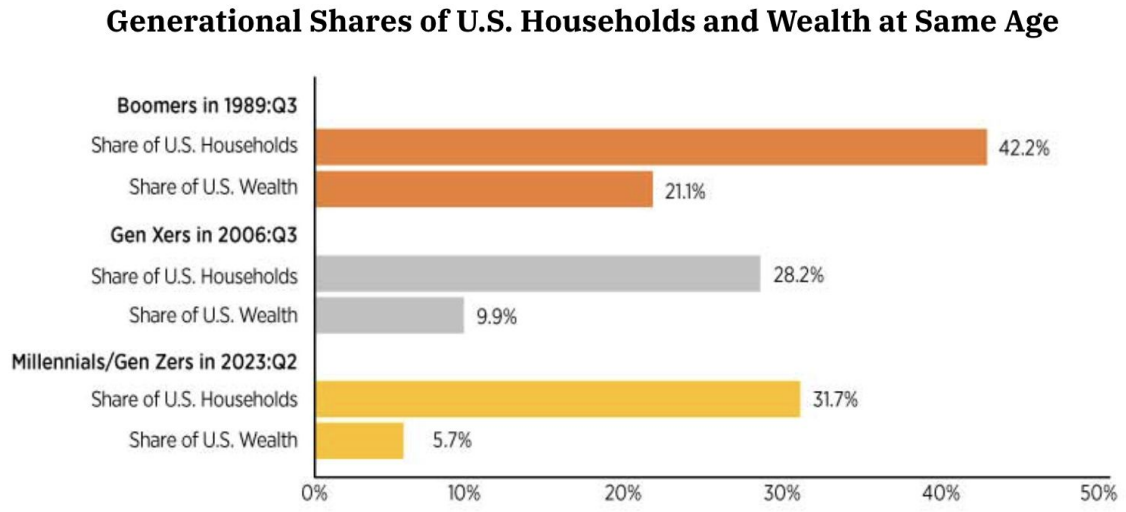
Questions We'll Address

- What's going on?
- What's new and different?
- What can we do about it?
- Who has a head start?

Excerpt from Spring Giddiness | **Rumi**

Today, like every other day, we wake up empty
and frightened. Don't open the door to the study
and begin reading. Take down a musical instrument.
Let the beauty we love be what we do.
There are hundreds of ways to kneel and kiss the ground.

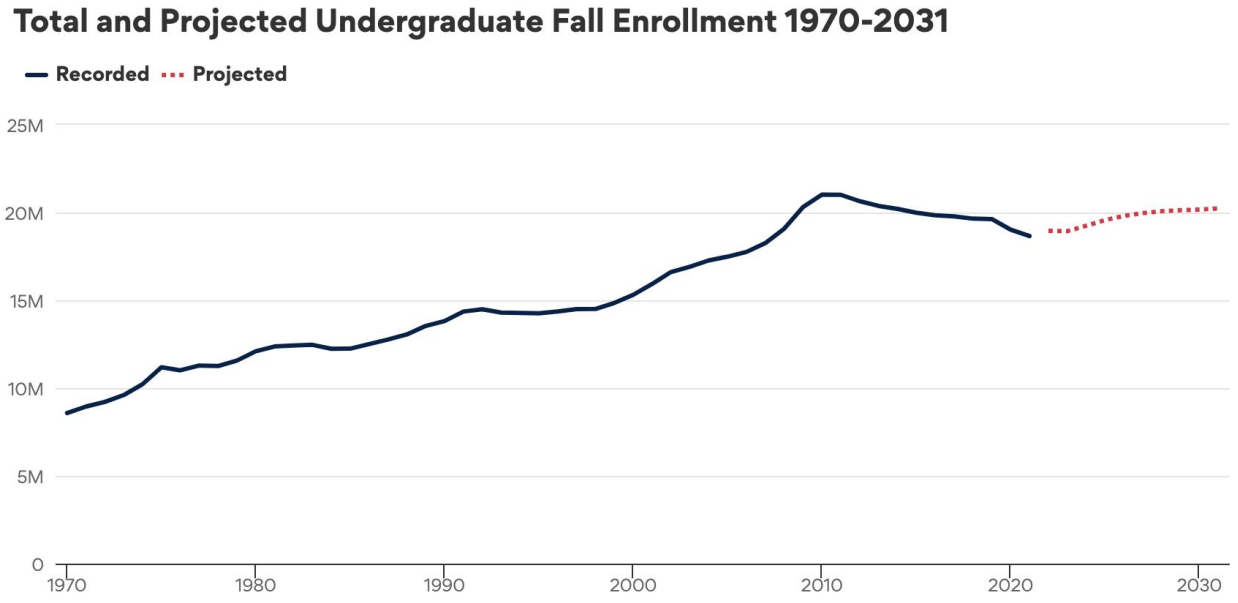
New Economic Reality



SOURCES: Distributional Financial Accounts and Institute for Economic Equity calculations.

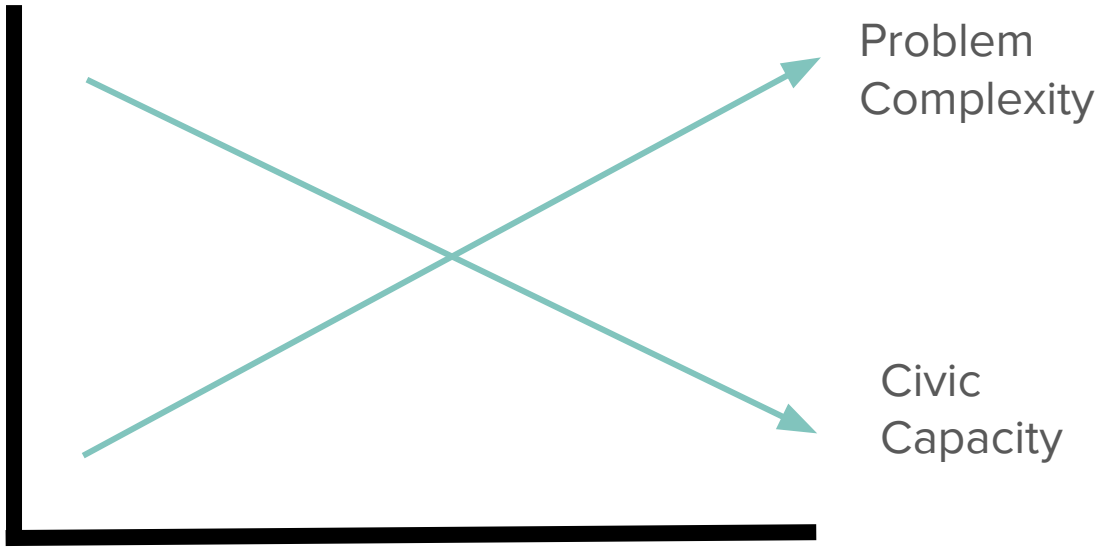
NOTES: Shares are calculated when each generation was relatively young (at the average age of 34). The data are for the quarter in the year when the generation was at that average age.

Higher Education Uncertainty

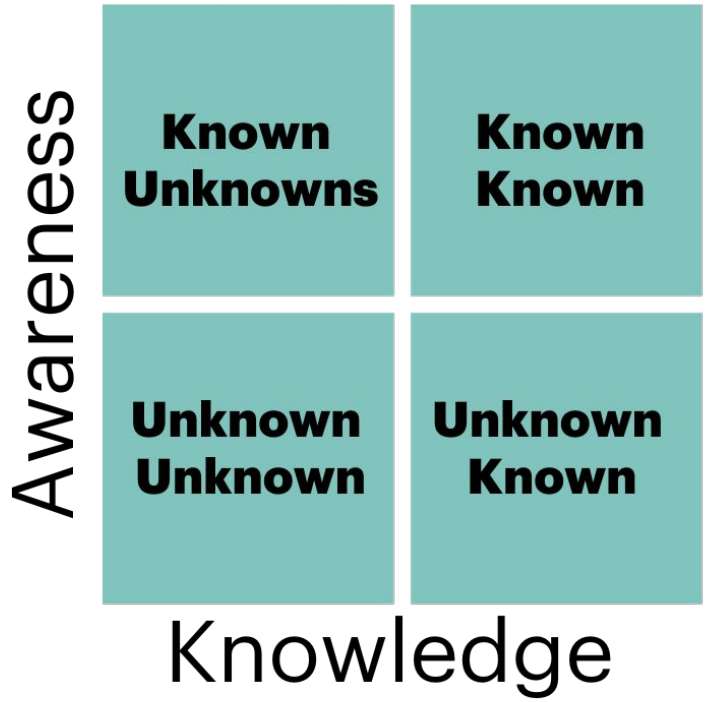


Source: The National Center for Education Statistics[4]

Ingenuity Gap
Thomas Homer Dixon



You don't know what you don't know...



KU: Question
KK: Forecasted & Planned
UU: ???
UK: Assumptions/Intuition

CTE Career Clusters

- Ag, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Tech & Communication
- Business Management & Admin
- Education and Training
- Finance
- Government & Public Administration
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law & Public Safety
- Manufacturing
- Marketing
- STEM
- Transportation, Distribution and Logistics

Drivers

Emerging Tech

Generative AI, decentralized systems and more.

Climate Adaptation

Federal spending, interconnected global challenges, innovation.

Community

Organization and a civic imperative to participate.

Skills-First World

Hiring, portraits, badging, community alignment, reskilling.

Next Gen Economics

Value creation, creator/attention economy, new business models.

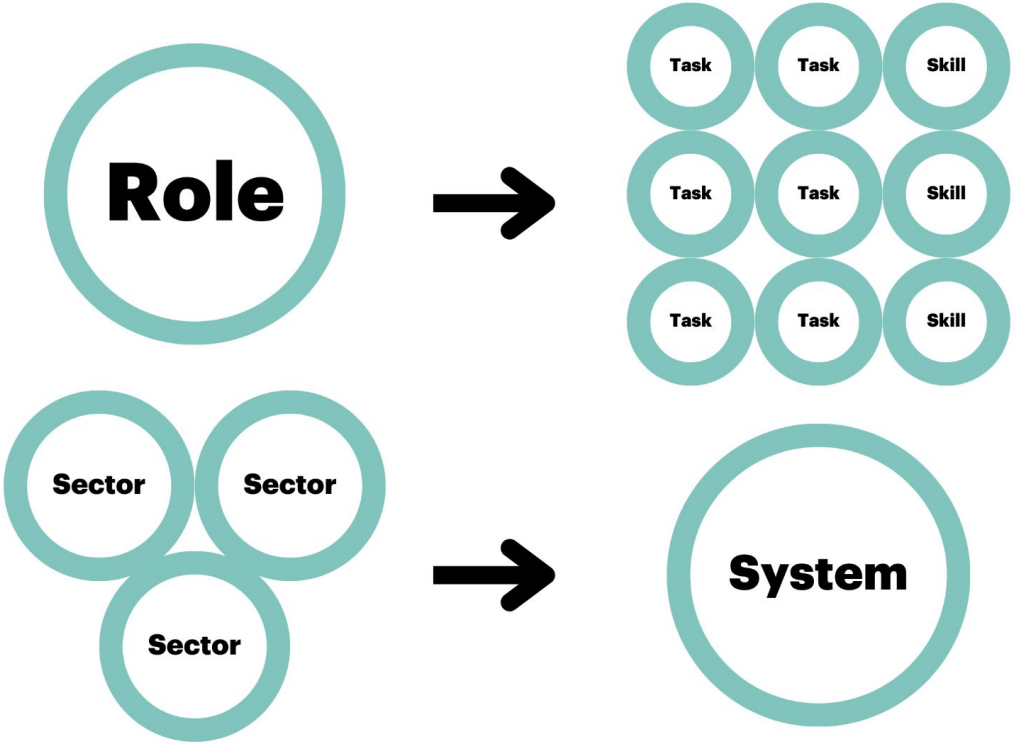
Health

Wellness, monitoring innovations, aging population.

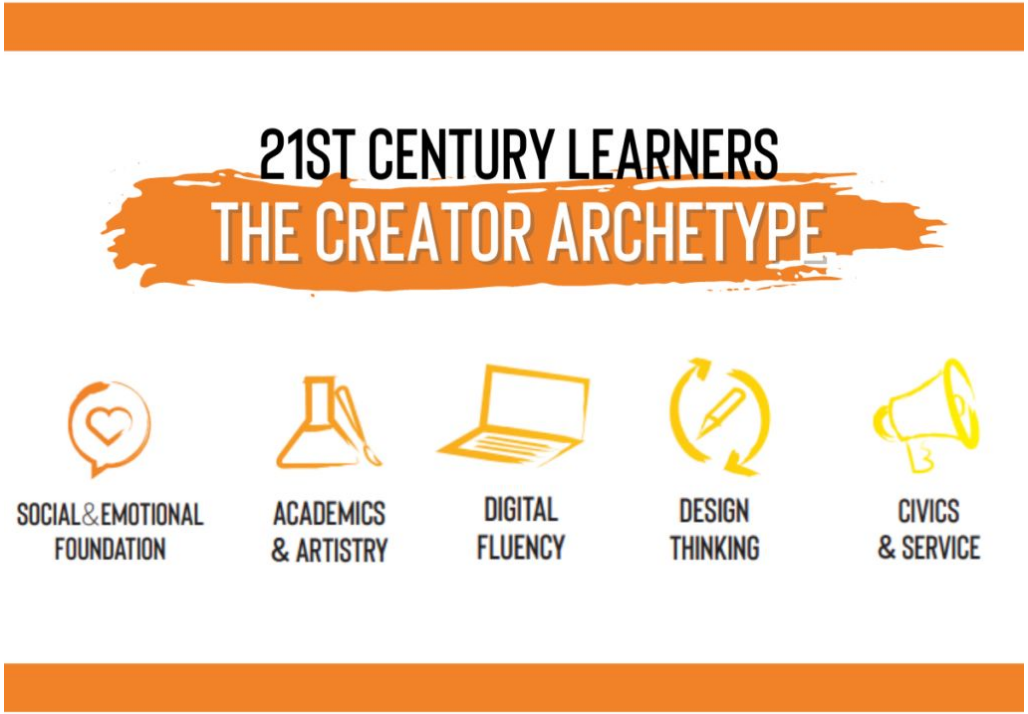
"Tasks within jobs typically show considerable variability in 'suitability for machine learning' while few -- if any -- jobs can be fully automated using machine learning."

- **Erik Brynjolfsson, MIT**

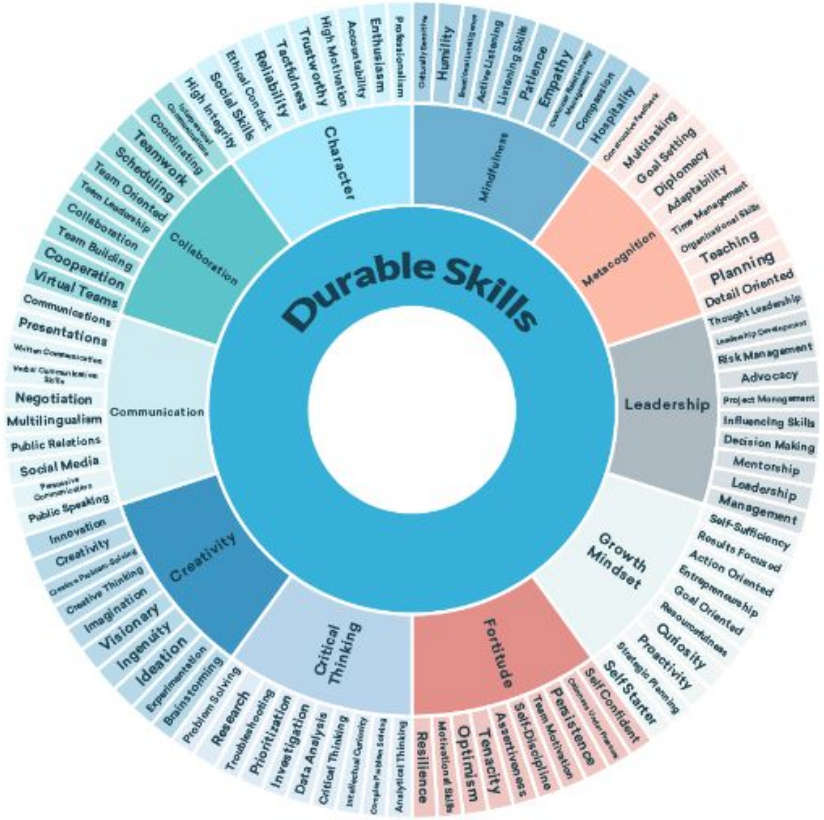
The Transition



Creator Archetype from BigThought



Durable Skills Framework



Contribution Skills

Agency

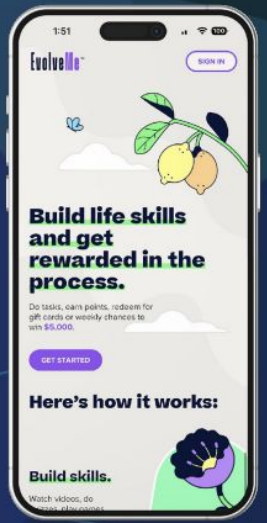
Entrepreneurship
Opportunity Spotting
Critical Thinking
Creativity
Communication
Growth Mindset

Purpose

Civics
Collaboration
Organizing and Facilitation
Relationship Building
Know Yourself
Know Your Community

Career Exploration

American Student Assistance®



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The World of Work

- Explore
- Simulate
- Meet a Pro
- Practice

The Knowledge Society

- Emerging Technology
- Mentorship
- Mindset
- Global Community
- Real-World Challenges
- Unique Opportunities

Community Share

- Partnership
- Client Projects
- Community exploration trends and data

Project-Based Learning 2.0

Find the Why & KnoPro

A statewide client-connected challenge initiative from Symphony Workforce.

A challenge network from NAF.

Employer Provided Innovation Challenges (EPIC)

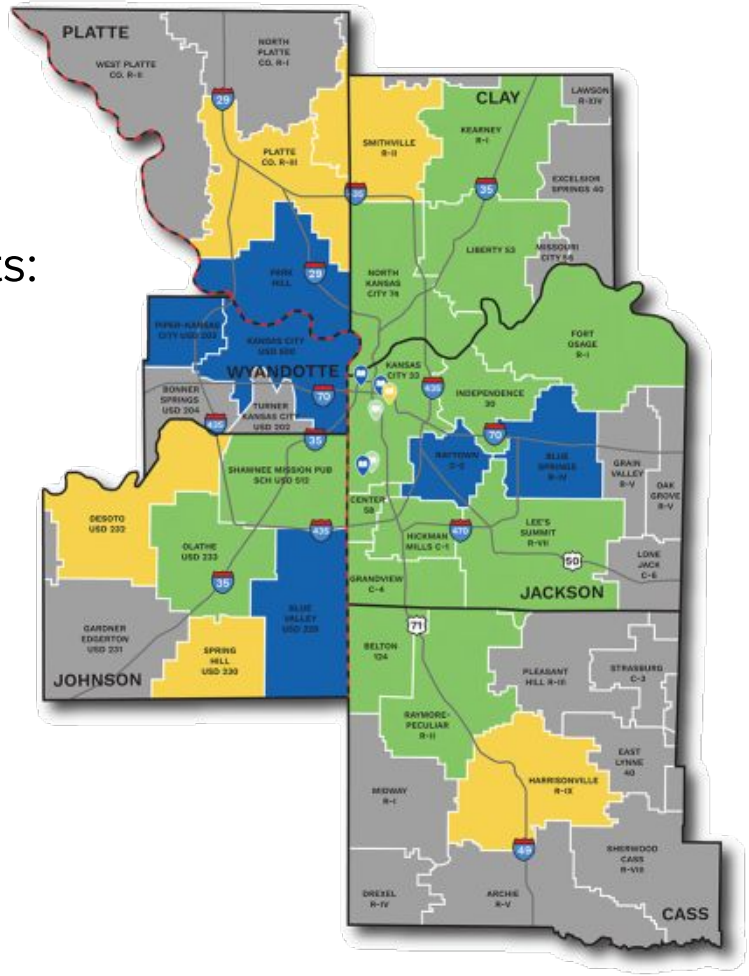
- U.S. Chamber of Commerce Foundation
- National initiative for client-connected projects

Real World Learning Cohorts

31 systems serving 80,000+ high school students:

- Cohort 1 (green): grants summer of 2019
- Cohort 2 (blue): grants summer of 2020
- Cohort 3 (yellow): grants in 2021

2030 Goal: All high school students across the region graduate with market value assets and a diploma, preparing them for future work and learning.



Real World Learning Experiences

Work Experiences

-Internships
-Client connected projects

Entrepreneurial Experiences

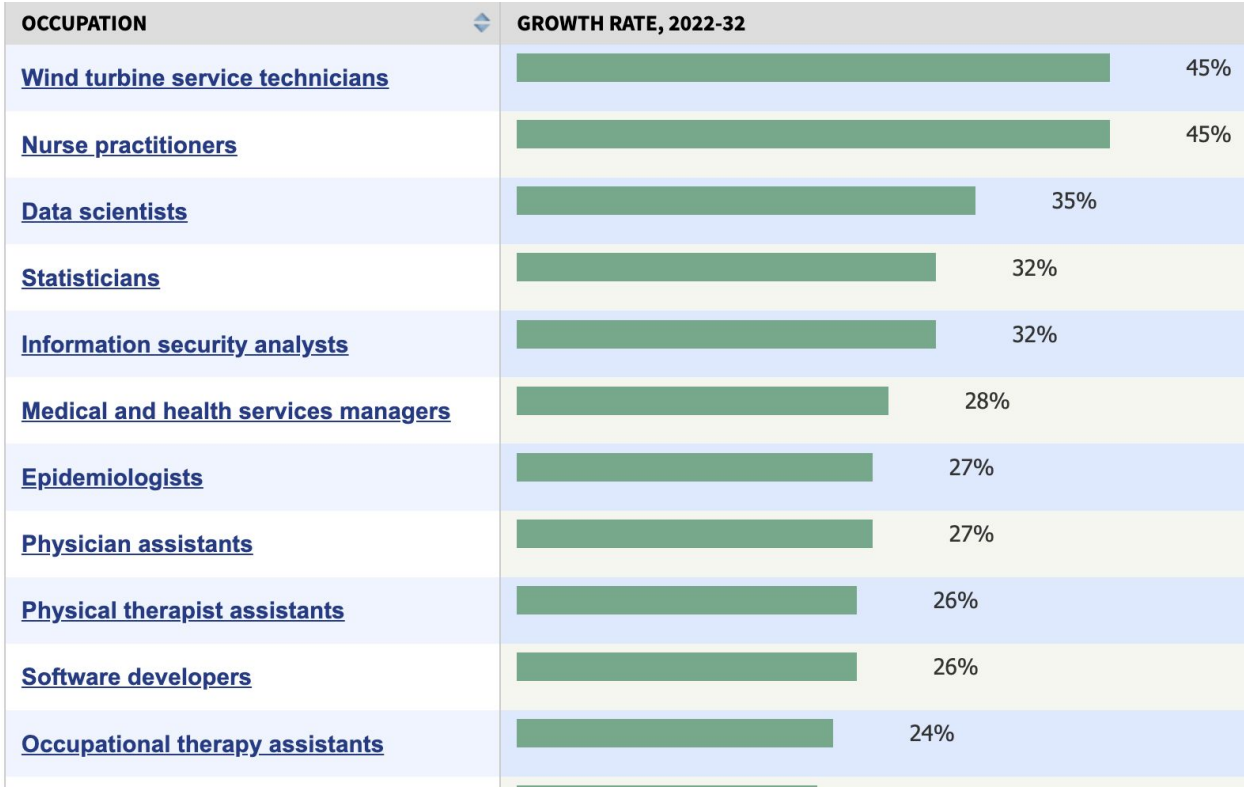
College Credit

Industry-Recognized Credentials

EWING MARION KAUFFMAN FOUNDATION

Growing Sectors

Fastest Growing Labor Sectors



OCCUPATION	GROWTH RATE, 2022-32
Wind turbine service technicians	45%
Nurse practitioners	45%
Data scientists	35%
Statisticians	32%
Information security analysts	32%
Medical and health services managers	28%
Epidemiologists	27%
Physician assistants	27%
Physical therapist assistants	26%
Software developers	26%
Occupational therapy assistants	24%

From the Bureau of Labor Statistics

“If you know a young person who wants to do something that’s going to help the world and wants to make a good living at the same time, tell them to go become an electrician.”

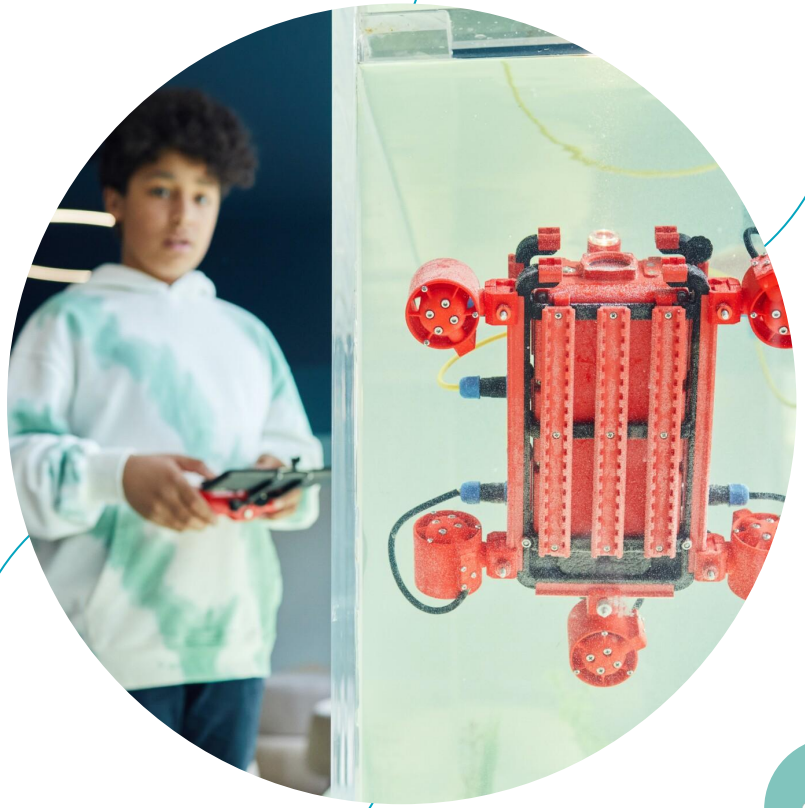
- **Bill McKibben**

Green Pathways

A Getting Smart Publication

Energy

School Models



Key Takeaways

- Rather than building all new CTE pathways, we need to add durable skills, add next gen job awareness, add support & guidance systems.
- It's critical to expose young people to mindsets, emerging challenges and opportunities AND provide them with mentorship.
- Pathways must focus on skills before sector as most challenges are now cross-sector.
- Learners must take the extra step to find the passion underneath the skills.

Any Questions...

Heads up, if we don't have the answer you're looking for... here are some folks to look up:

- **For AI & Computer Science**: TeachAI.Org, AIForEducation.io
- **For Social Capital:** Julia Freeland Fisher, CommunityShare.org
- **For Performing Arts Pathways:** High School for the Recording Arts
- **For Support and Guidance**: Crew by EL Education, Compass by Valor
- **For Middle School:** Cajon Valley
- **For Sustainability:** Green Schools National Network, SEI

Thank You!

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