



Schools in 2076 +

A Futuristic Workshop on Designing Tomorrow's Learning Environments



+ Your Presenters



**Carey
Upton**

Chief Operations Officer,
Santa Monica – Malibu
Unified School District



**Shona
Bose**

Principal, Director of
Sustainability,
McGranahanPBK



**Jeff
Johnson**

Director of Design and
Educational Planning, PBK



1880s

The Industrial Foundation

+ Order, Repetition, Efficiency

1920s

The Roaring Reform

+ Light, Air, Movement

1970s

The Open-Plan Experiment

+ Collaboration and Creativity

2020s

The Digital Hybrid

+ Integrated Physical Space and Technology

2076

Where Are We Going?

+ Choose your own adventure



1880s

The Industrial Foundation +



Most items were bought in bulk;
"packaging" was just a burlap sack.

1880s

The Industrial Foundation



Milk
\$0.10/gal



Eggs
\$0.13/doz



Horse Feed
--



High-tech meant the "Safety Bicycle" (1885) or the new "fountain pen."

1880s

The Industrial Foundation



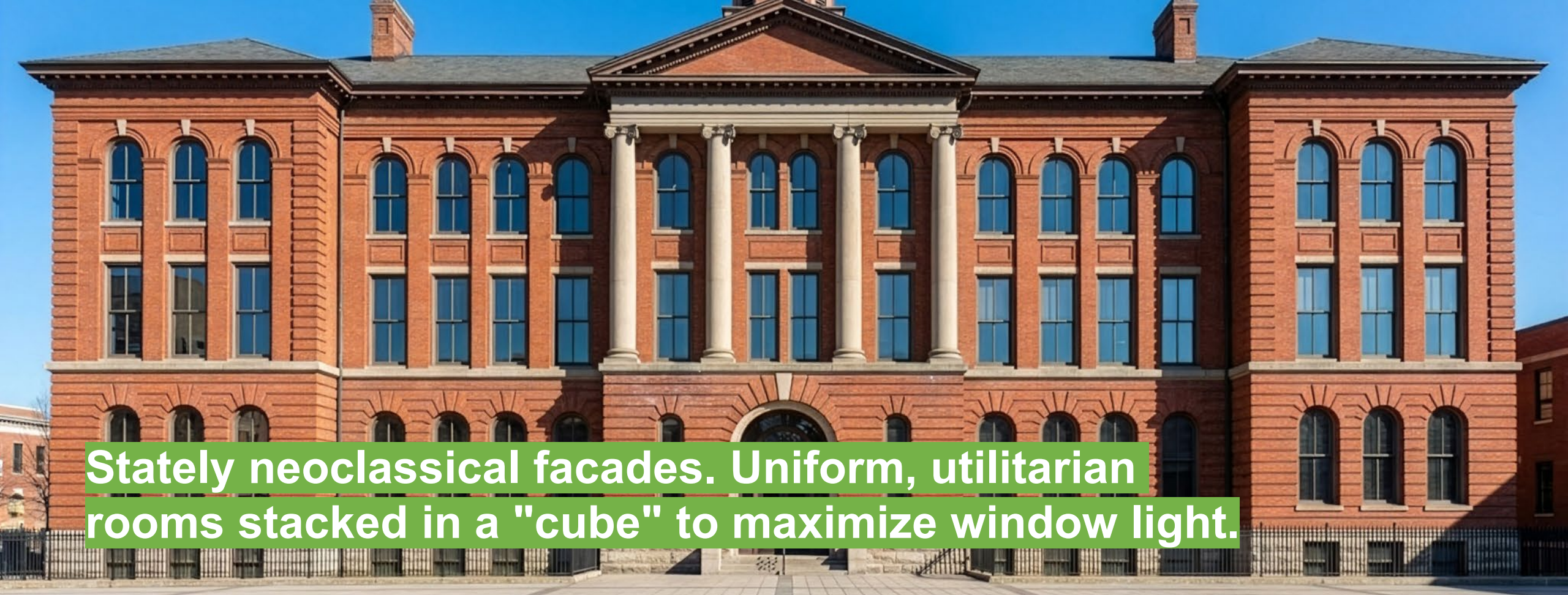
Milk
\$0.10/gal



Eggs
\$0.13/doz



Horse Feed
--



Stately neoclassical facades. Uniform, utilitarian rooms stacked in a "cube" to maximize window light.

1880s

The Industrial Foundation



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Eggs
\$0.13/doz



Horse Feed
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5.6% high school enrollment. Most kids were done by 8th grade to work in factories or farms.

1880s

The Industrial Foundation



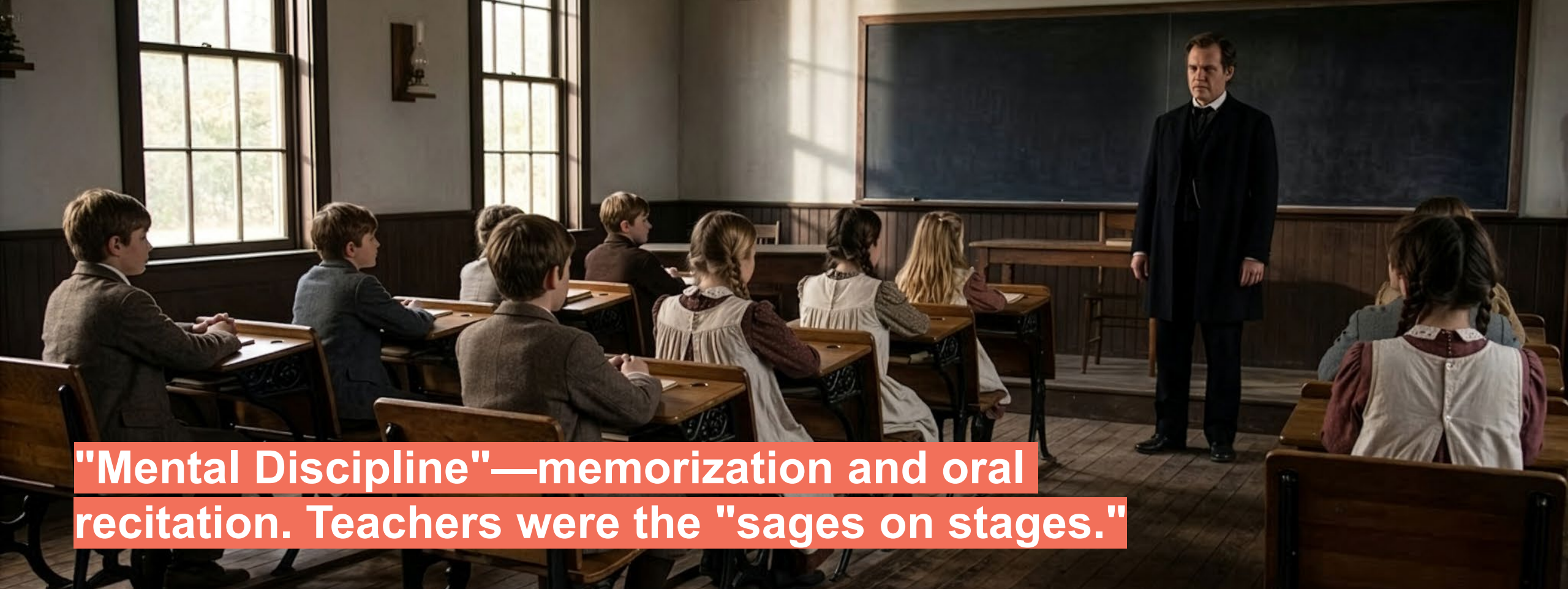
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Horse Feed
--



"Mental Discipline"—memorization and oral recitation. Teachers were the "sages on stages."

1880s

The Industrial Foundation



Milk
\$0.10/gal



Eggs
\$0.13/doz



Horse Feed
--



1920s

The Roaring Reform +



Ford's assembly line mastery lowered the Model T to just \$290, fueling the mobility of the Roaring Twenties.

1920s

The Roaring Reform



Milk
\$0.35/gal



Eggs
\$0.37/doz



Gasoline
\$0.20/gal



Movie tickets were \$0.15; the "Jazz Singer" (1927) brought sound to cinema.

1920s

The Roaring Reform



Milk
\$0.35/gal



Eggs
\$0.37/doz



Gasoline
\$0.20/gal



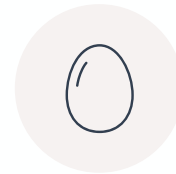
The "Open Air" movement—people believed fresh air cured everything, including laziness.

1920s

The Roaring Reform



Milk
\$0.35/gal



Eggs
\$0.37/doz



Gasoline
\$0.20/gal



Incorporation of views to "rest the eyes" and huge windows for natural ventilation.

1920s

The Roaring Reform



Milk
\$0.35/gal



Eggs
\$0.37/doz



Gasoline
\$0.20/gal



35% of teens are now in school. Vocational training begins to mirror the "business machine" efficiency of the era.

1920s

The Roaring Reform



Milk
\$0.35/gal



Eggs
\$0.37/doz



Gasoline
\$0.20/gal



1970s

The Open-Plan Experiment +



Bell-bottoms were in, but skyrocketing food costs forced families to rethink every cent.

1970s

The Open-Plan Experiment



Milk
\$1.32/gal



Eggs
\$0.60/doz



Gasoline
\$0.36/gal



The introduction of the microwave (\$12,000 equivalent today) and the TV dinner (\$0.65).

1970s

The Open-Plan Experiment



Milk
\$1.32/gal



Eggs
\$0.60/doz



Gasoline
\$0.36/gal



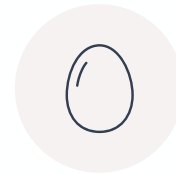
The "Pocket Calculator" becomes affordable —
and the subject of massive math-teacher protests.

1970s

The Open-Plan Experiment



Milk
\$1.32/gal



Eggs
\$0.60/doz



Gasoline
\$0.36/gal



Earth tones (avocado green, harvest gold) and the "Universal Space" where any activity could happen anywhere.

1970s

The Open-Plan Experiment



Milk
\$1.32/gal



Eggs
\$0.60/doz



Gasoline
\$0.36/gal



Inquiry-based practice and
"educating the whole person."

1970s

The Open-Plan Experiment



Milk
\$1.32/gal



Eggs
\$0.60/doz



Gasoline
\$0.36/gal



2020s

The Digital Hybrid +



A pandemic turned homes into classrooms while inflation sent the prices of eggs and gas to record highs.

2020s

The Digital Hybrid



Milk
\$4.33/gal



Eggs
\$4.55/doz



Gasoline
\$3.14/gal



Zoom becomes a household verb; TikTok is the new "textbook" for Gen Alpha.

2020s

The Digital Hybrid



Milk
\$4.33/gal



Eggs
\$4.55/doz



Gasoline
\$3.14/gal



School lunch focuses on "farm-to-table"; social-emotional learning (SEL) is a core budget line item.

2020s

The Digital Hybrid



Milk
\$4.33/gal



Eggs
\$4.55/doz



Gasoline
\$3.14/gal



Collaboration studios with glass "garage doors," standing desks, and outdoor learning courtyards.

2020s

The Digital Hybrid



Milk
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Eggs
\$4.55/doz



Gasoline
\$3.14/gal



The teacher is now a "facilitator" or "guide."
Learning happens everywhere—not just at a desk.

2020s

The Digital Hybrid



Milk
\$4.33/gal



Eggs
\$4.55/doz



Gasoline
\$3.14/gal



2076

The Integrated Ecosystem +



In a world of fusion energy and lab-grown basics, the 'cost' of living shifts from survival to experiences.

2076

The Integrated Ecosystem



Milk
Lab-Grown



Eggs
Synthesized



Power
Fusion/Solar



Neural interfaces replace screens; learning a new language is a "software update."

2076

The Integrated Ecosystem



Milk
Lab-Grown



Eggs
Synthesized



Power
Fusion/Solar



**“School” isn't a place you go; it's a network
you're part of while traveling the world.**

2076

The Integrated Ecosystem



Milk
Lab-Grown



Eggs
Synthesized



Power
Fusion/Solar



Schools are no longer standalone buildings—they are integrated into community housing and vertical farms.

2076

The Integrated Ecosystem



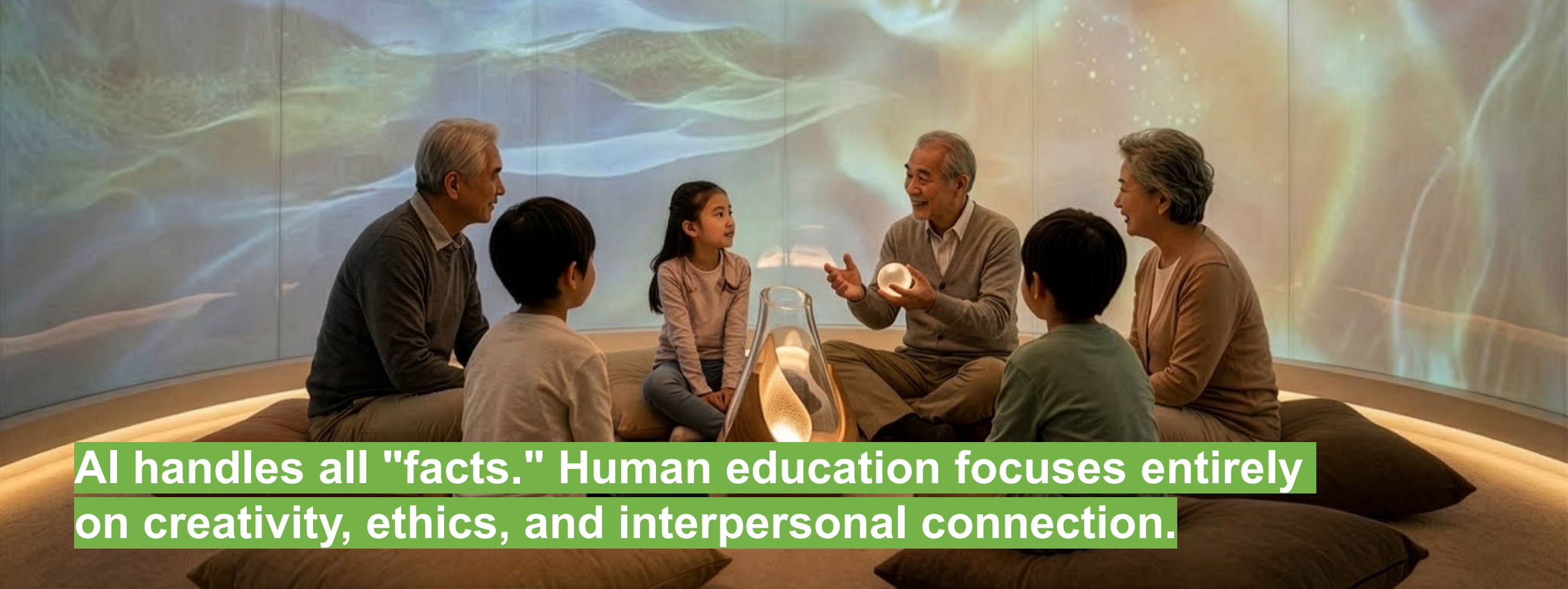
Milk
Lab-Grown



Eggs
Synthesized



Power
Fusion/Solar



AI handles all "facts." Human education focuses entirely on creativity, ethics, and interpersonal connection.

2076

The Integrated Ecosystem



Milk
Lab-Grown



Eggs
Synthesized



Power
Fusion/Solar

A vibrant, futuristic school interior. In the foreground, four diverse children are gathered around a large, circular, illuminated table, looking at a digital map or globe. To their right, a group of children and an adult are working at a table with a small white robot. In the background, other students are seen in various learning areas, including a circular lounge with two children sitting on a bench. The space is filled with vertical gardens, large windows, and a complex, golden, lattice-like ceiling structure. The overall atmosphere is bright, modern, and educational.

Human Centered Resilience +

Designed around people, schools become future-ready community anchors that strengthen well-being, advance equity, and adapt to both daily needs and unexpected disruptions.

The Levels

Maslow's Hierarchy of Needs



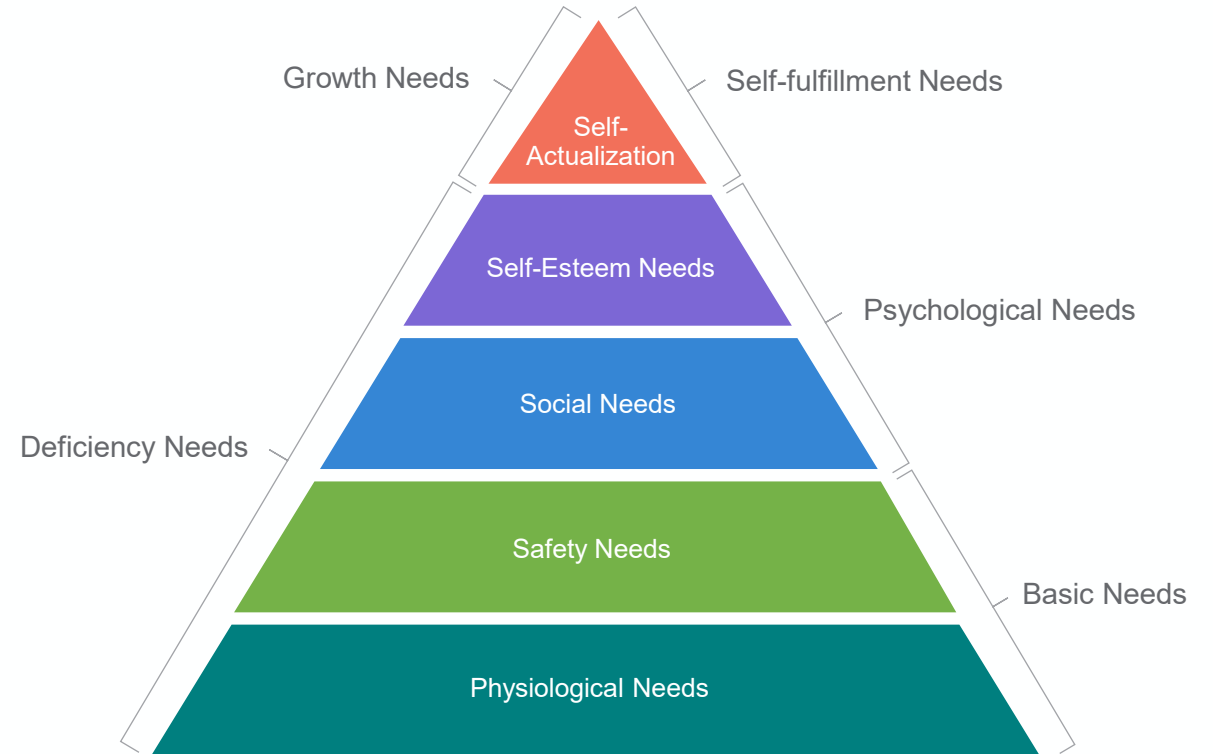
Basic Needs



Psychological Needs



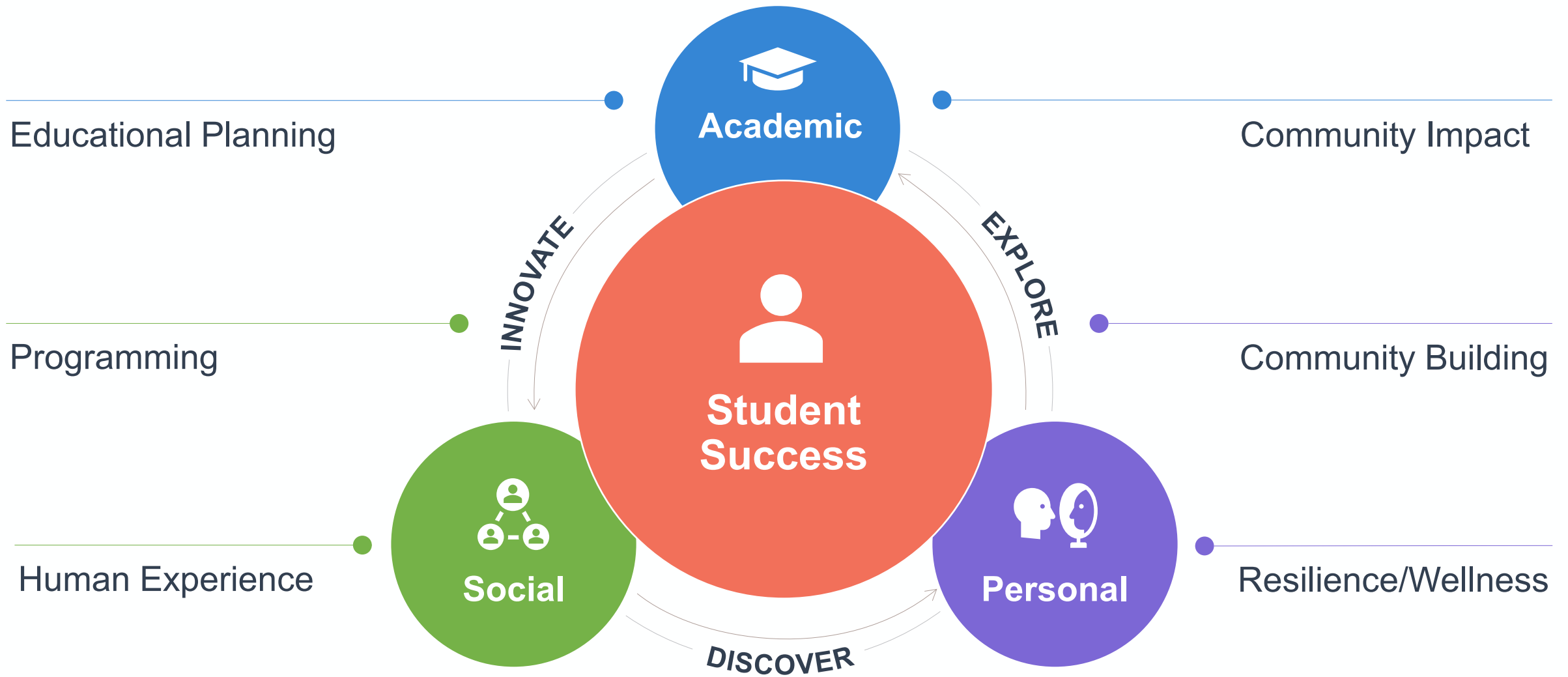
Self-Fulfillment Needs



...

Certain needs are more important than others. Motivational Theory – people obtain highest priority first.

+ Student-Centered Approach



Human Resilience Challenge

K-12 teachers are the #1 most burnt-out profession in the United States

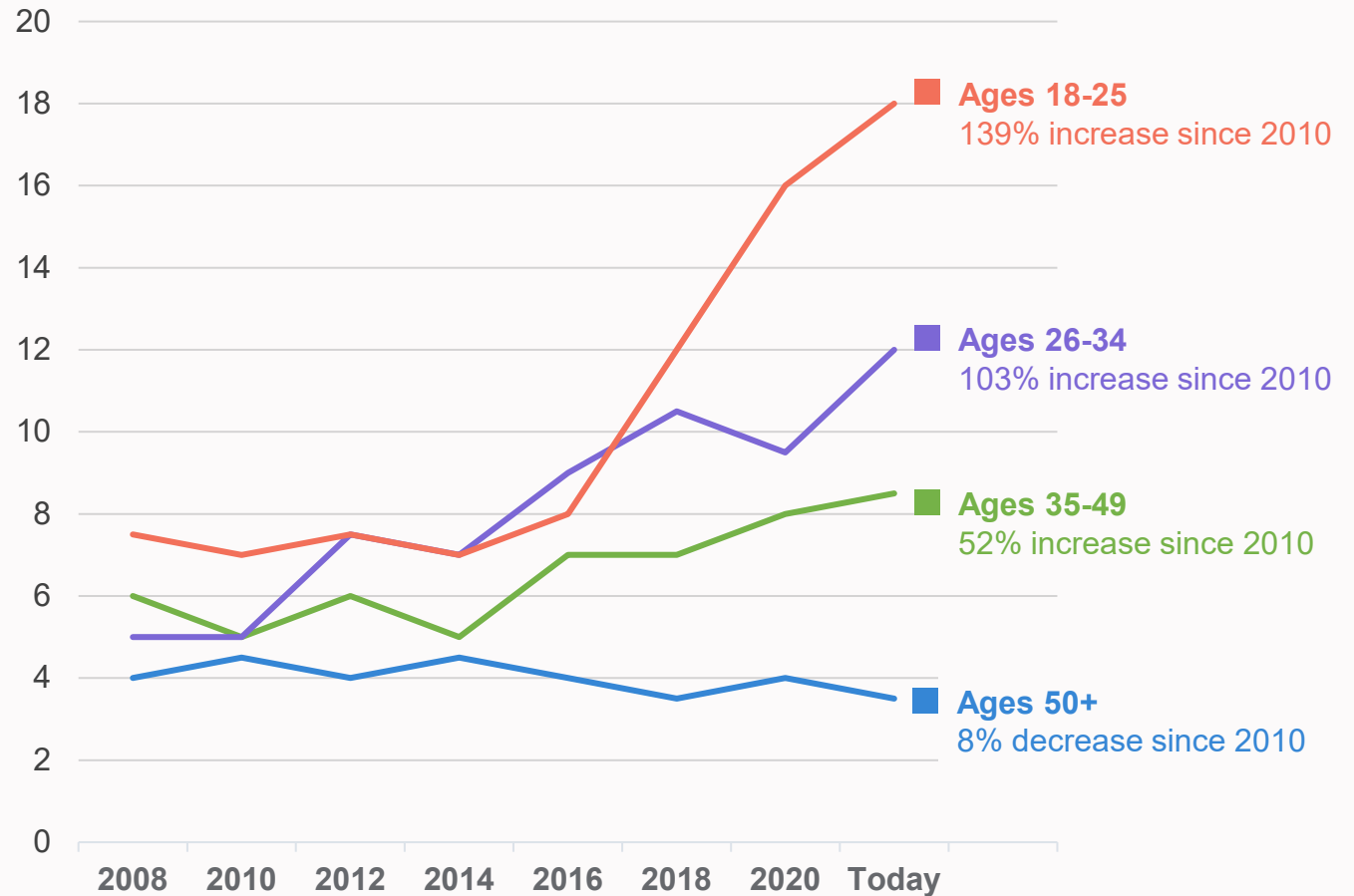
↑ 44%

Of teachers report often or always feeling burnt-out

↑ 90%

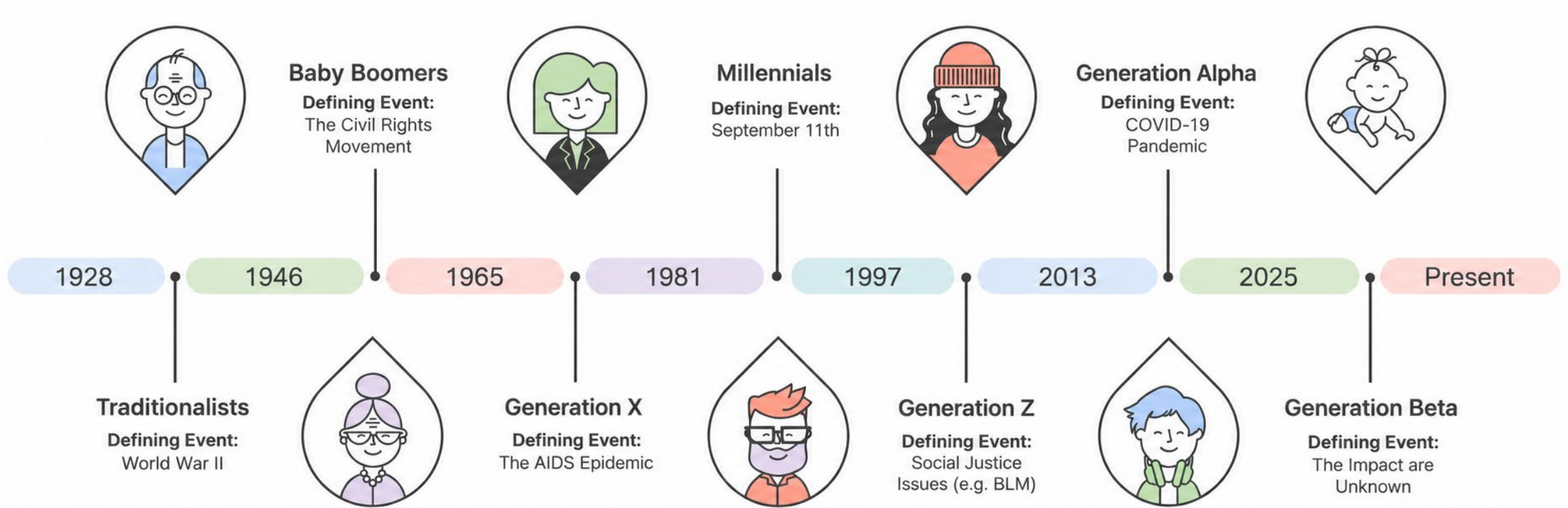
Of teachers claim this is a serious problem within the profession

Increase in Anxiety in Adults - USA

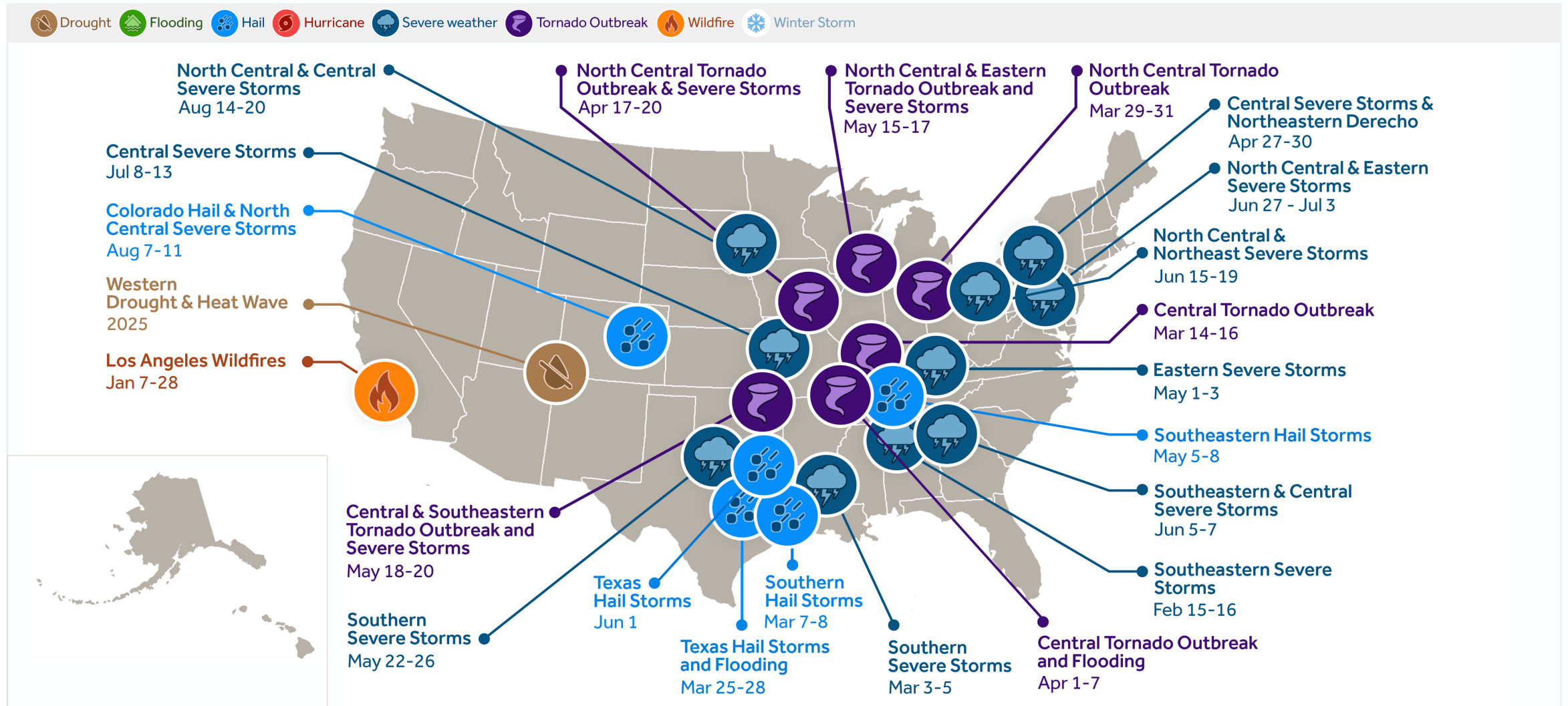


Source: SAMHSA National Survey on Drug Use and Health (NSDUH) 2023; federal mental health survey releases through 2025.

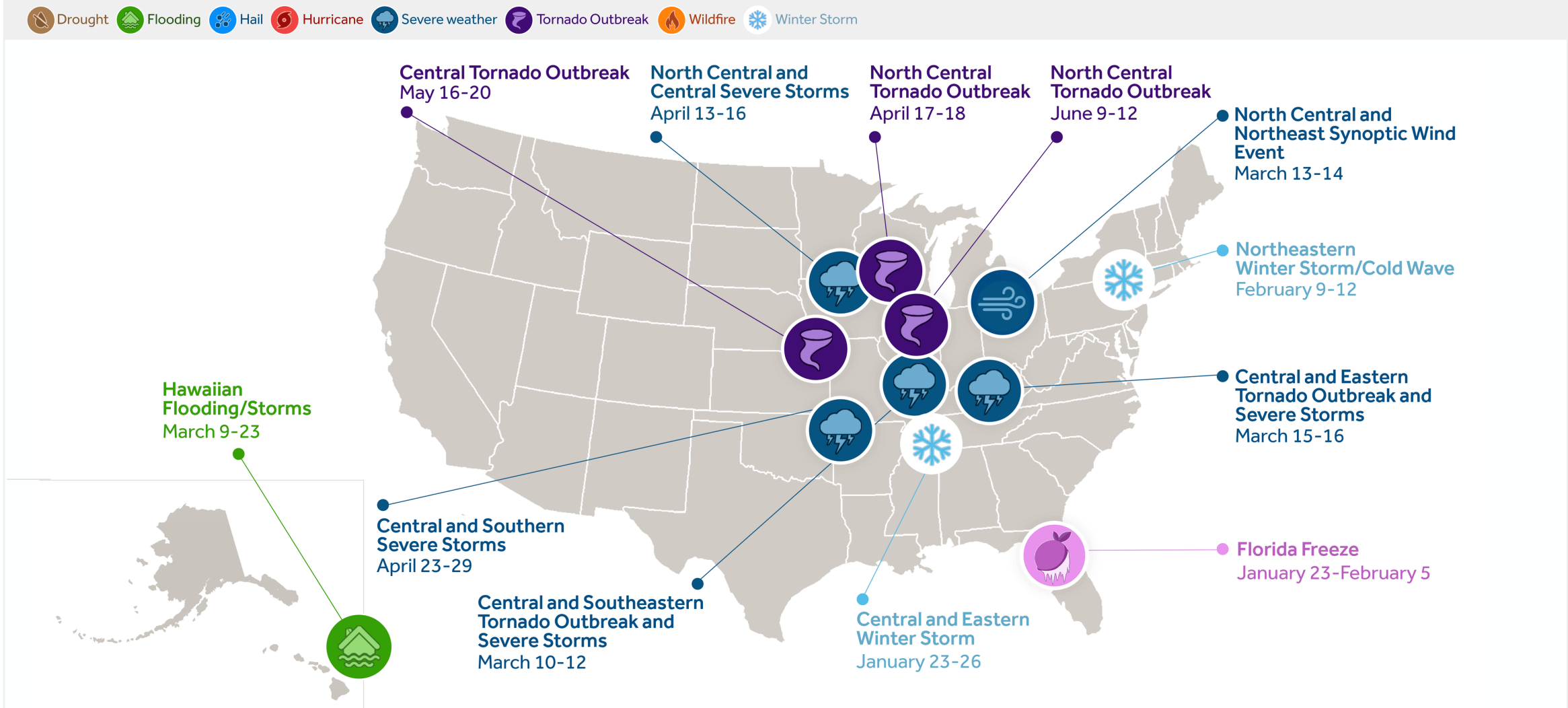
+ Generations of Resilience



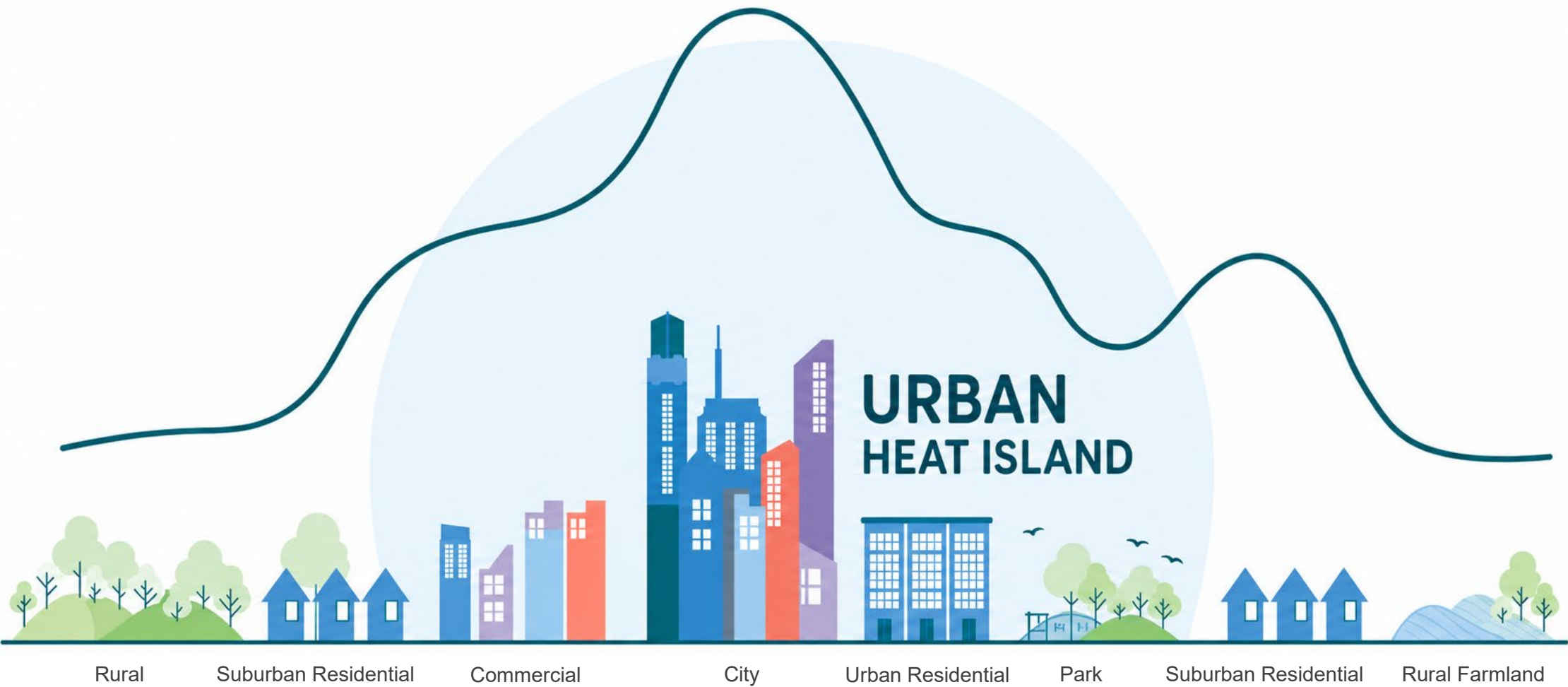
+ Infrastructure Resilience - 2025



+ Infrastructure Resilience - 2026



+ Infrastructure Resilience



Source: Kamyar Fuladlu, World Meteorological Organization (WMO)

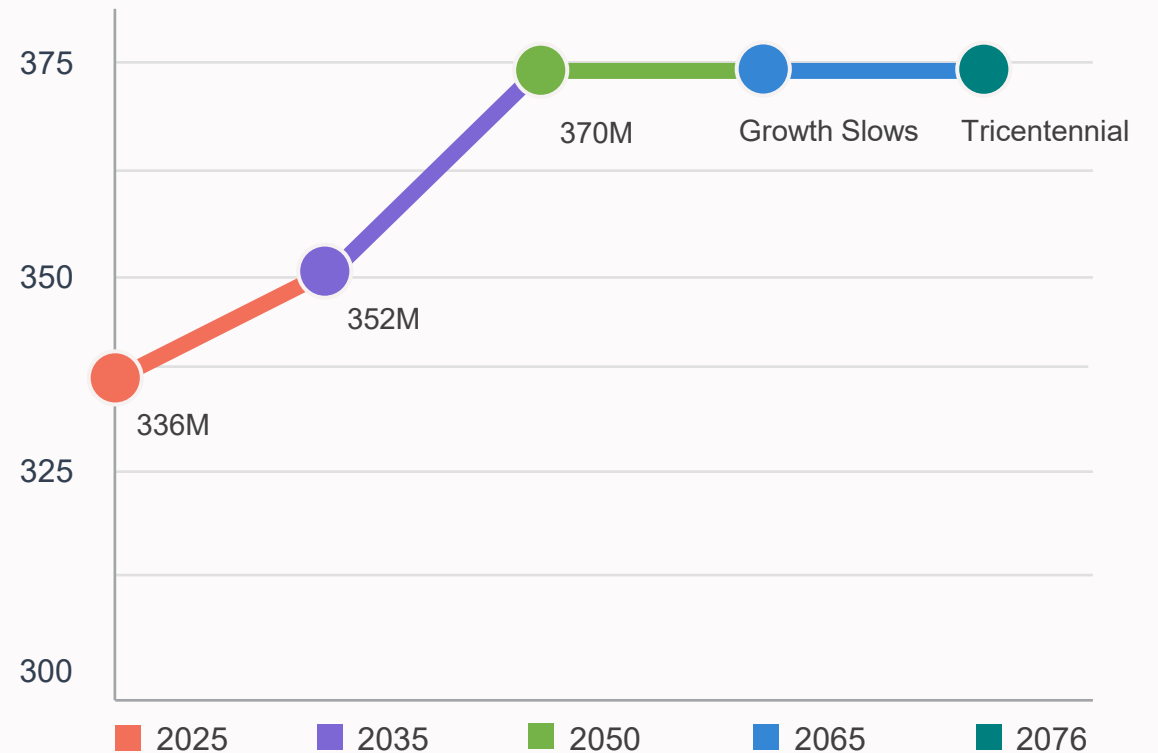
Population Change

Population growth and decline
will reshape regions across
the United States

↑ 10%

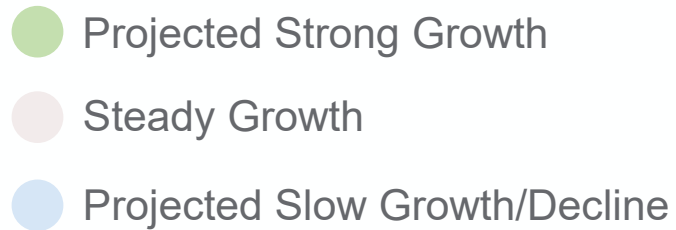
Expected population
growth in the United States
over the next 50 years

U.S. Population Trend



Source: U.S. Census Bureau, 2023 National Population Projections and U.S. Population Projected to Begin Declining in Second Half of Century (Nov. 9, 2023).

The Next 25 Years of Projected Growth



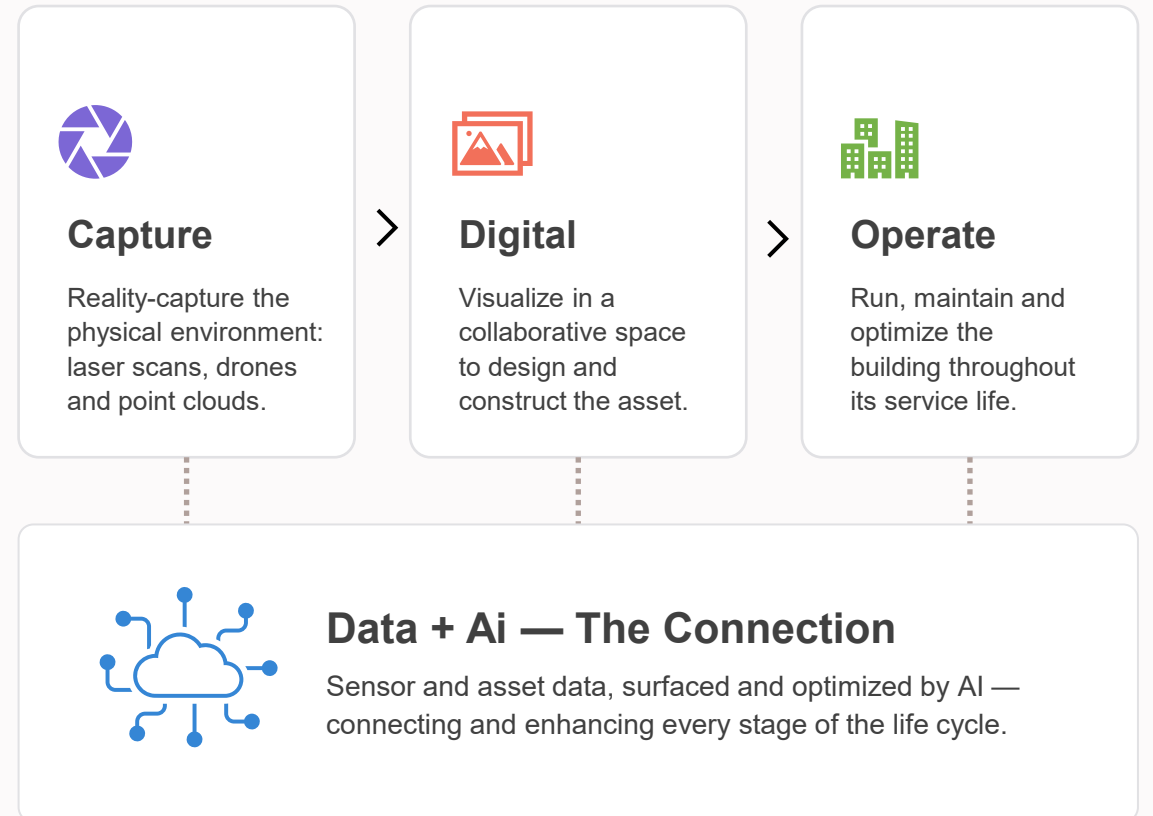
Source: Weldon Cooper Center for Public Service, *National 50-State Population Projections: 2030, 2040, 2050* (2024); U.S. Census Bureau National Population Projections. Growth and decline designations represent projected relative population trends through mid-century.

Technology & Resilience

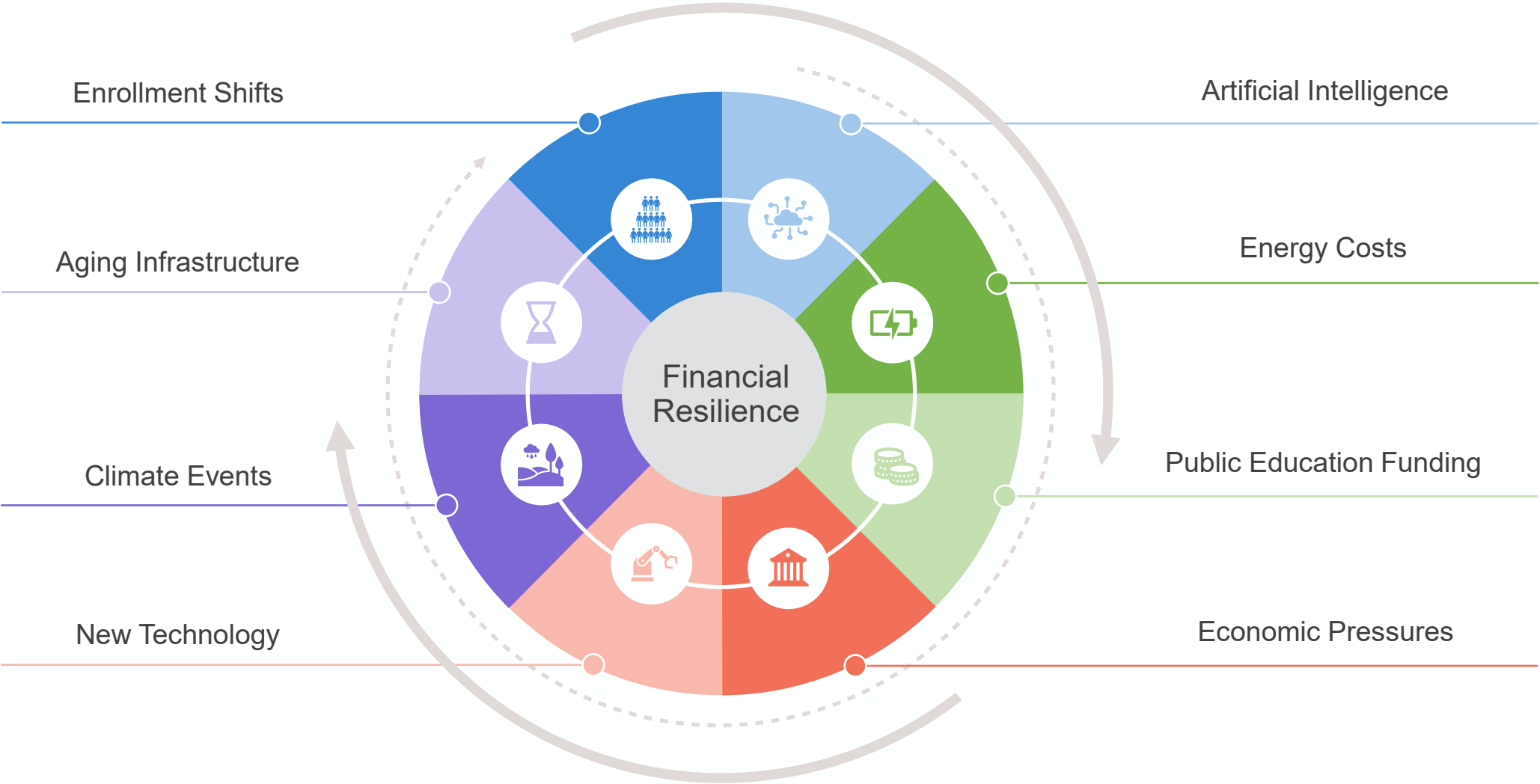
Planning, Designing, and Operating the Full Life Cycle

We capture the physical world with reality-capture technology, deliver it digitally in a shared space to design and construct, then operate it for the long term with data and AI as the connective tissue that surfaces and optimizes insight across the entire life cycle.

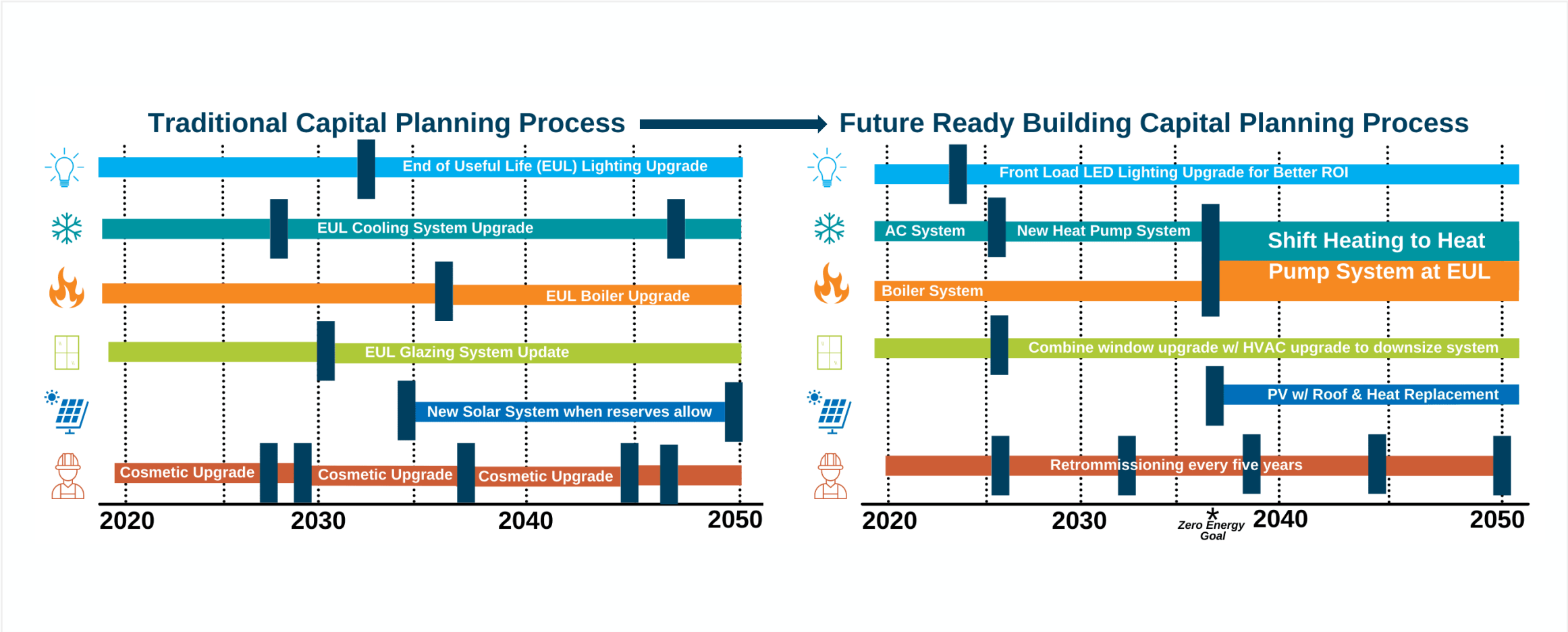
The Full Life-Cycle Workflow



+ Potential Financial Challenges



+ Plan For The Future You Want



Source: New Buildings Institute (NBI), "Future-ready buildings"

+ Case Study | THE SOLARIS SCHOOL

A Launchpad for Tomorrow's Leaders

Re-imagine

Reimagine Castlevew as a STEM elementary campus.

Re-purpose

Repurpose the existing hexagonal buildings on site.

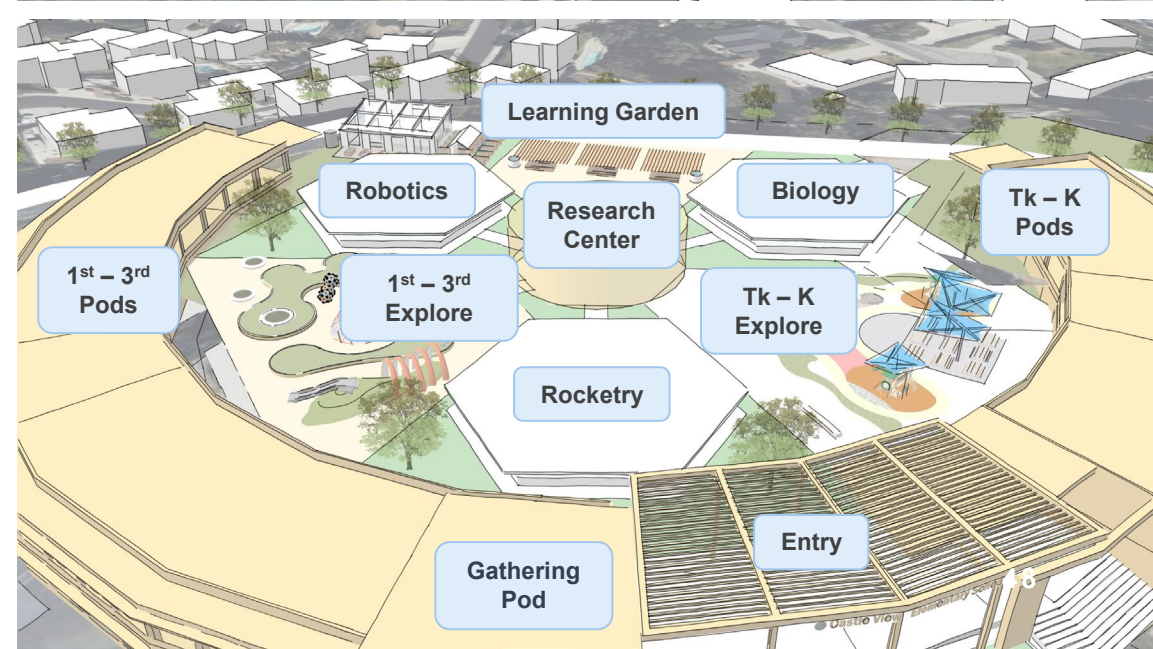
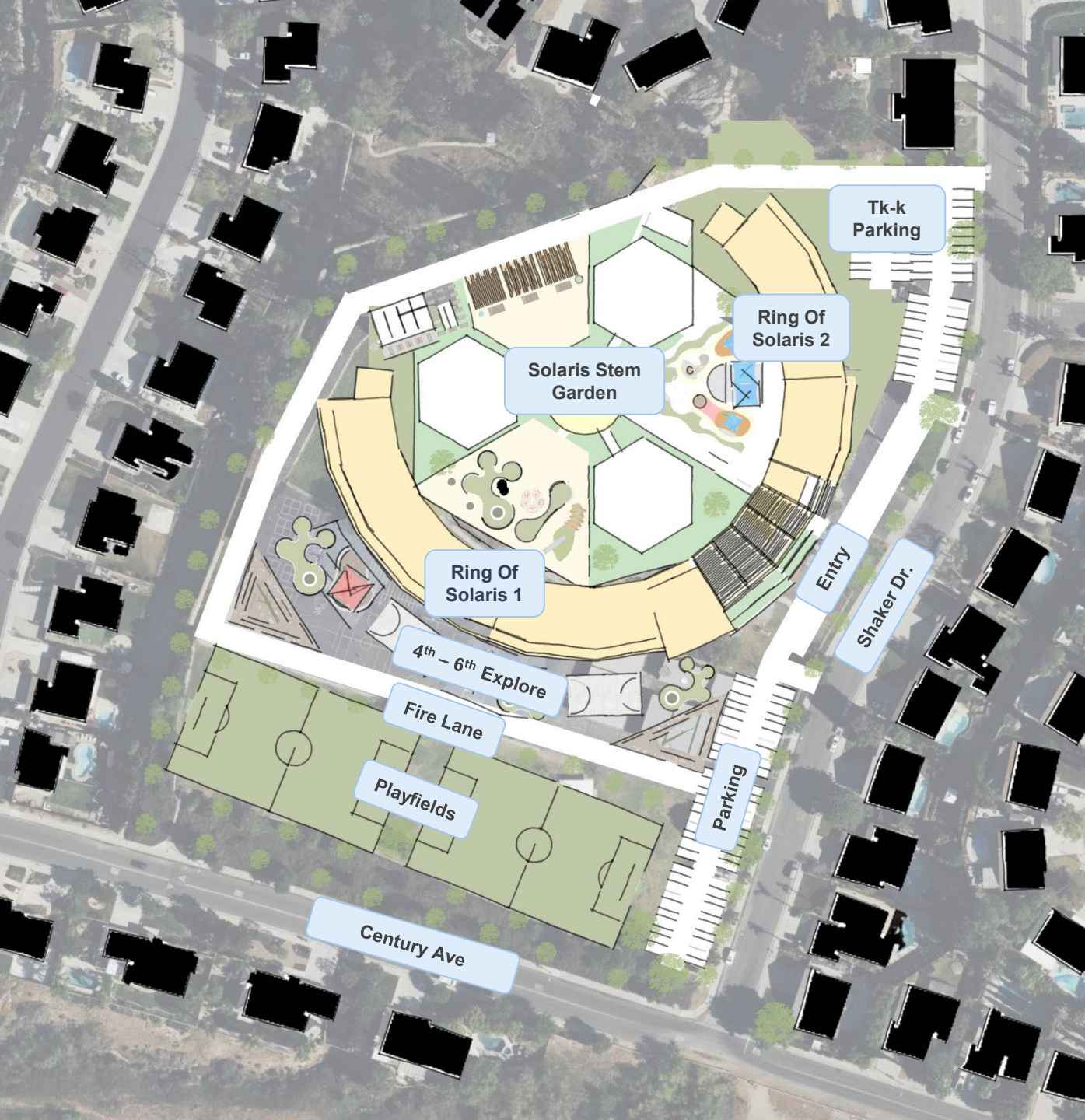
Re-program

Reprogram spaces to accommodate enrollment growth.

Re-brand

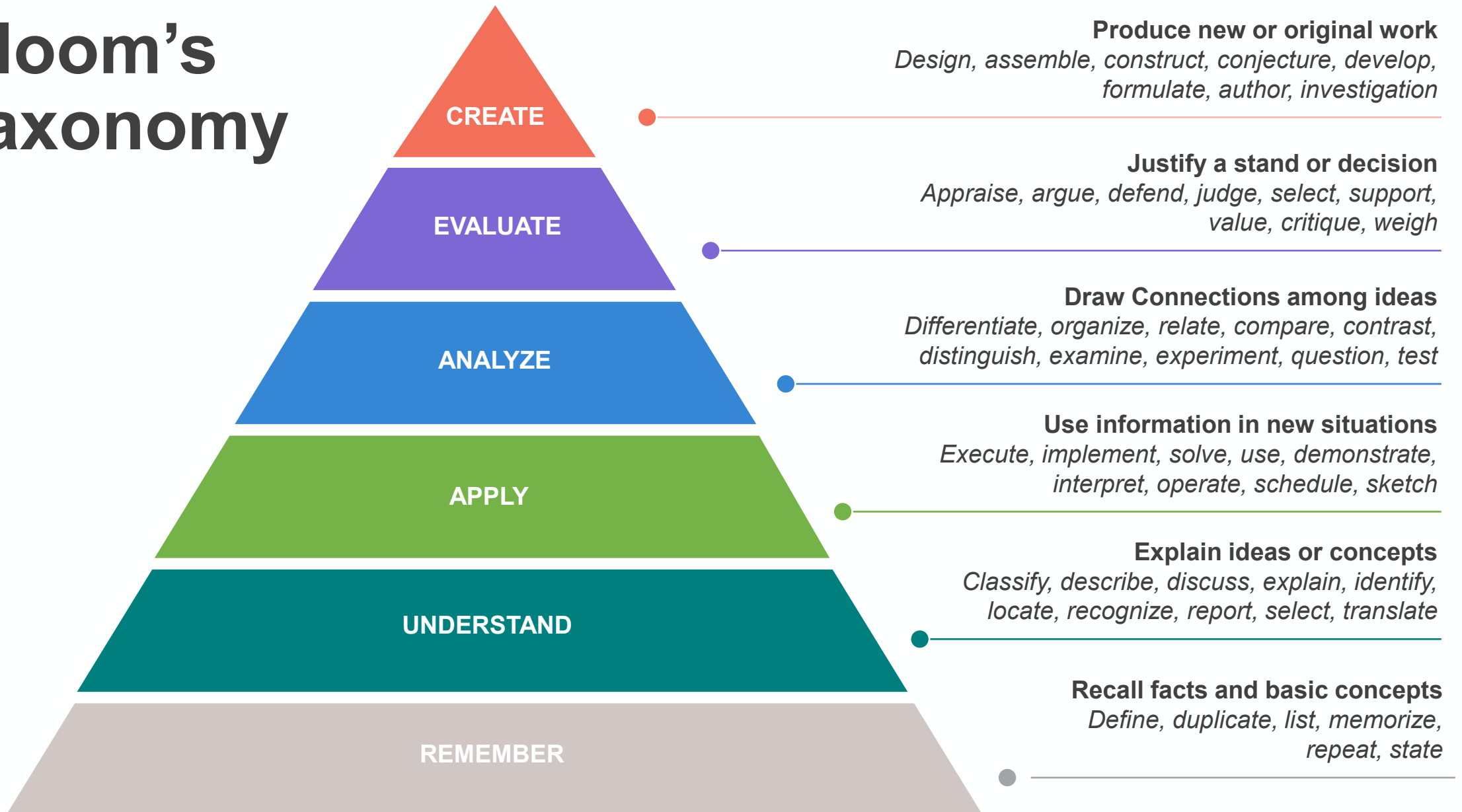
Rebrand the campus identity for a new era of learning.







Bloom's Taxonomy



+ Workshop

PRK

GROUP NAME

TAPE SCENARIO CARD HERE

TIMELINE

202620362046205620662076

DISTRICT PLAN

TAPE PERSONA CARD HERE

5 Minutes | Form Your District Team

Find a table and form a district of 6 or 7 people; choose Role Cards and a team name.

Introduce yourselves:

- Name, Position, Workplace
- In **ONE WORD ONLY**, how do you feel about AI right now?

15 Minutes | Timeline Exercise

As a district, choose a Persona Card. Project this person's life 50 years into the future.

20 Minutes | District Action Plan

Choose a Scenario Card aligned with your timeline. As a public school district facilities team, develop a response strategy.

+ Workshop

PRK

GROUP NAME

TAPE SCENARIO CARD HERE

TIMELINE

2026 2036 2046 2056 2066 2076

TAPE PERSONA CARD HERE

DISTRICT PLAN

Outline for 2-Minute Share-Out:

1. **Unexpected Insight:** What surprised you most in your timeline?
2. **Key Focus:** Which scenario did your group see as a top priority to plan for?
3. **District Response:** How did your district plan for this over the next 50 years
4. **Application:** How will this inform your work going forward?

+ Thank You



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