



**MARCHING OFF  
THE MAP**

# Three Main Points



- Trailblazing educators should be leading a revolution: from “schooling” to “learning”
  - We must be able to think and act outside the constraints of the current system
  - To do this, we need vision—and frameworks, tools, supports



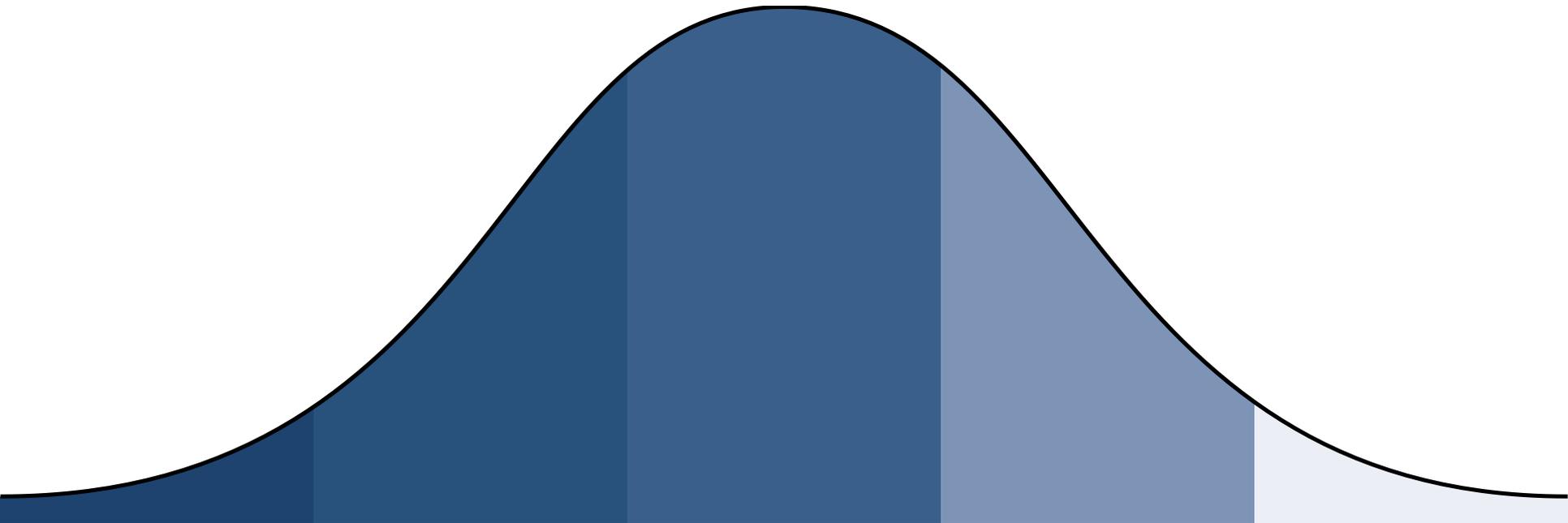
# Vision



What do we want  
for America's  
children?

# Factory-model Schools

**Current systems are built on outmoded assumptions about learning**

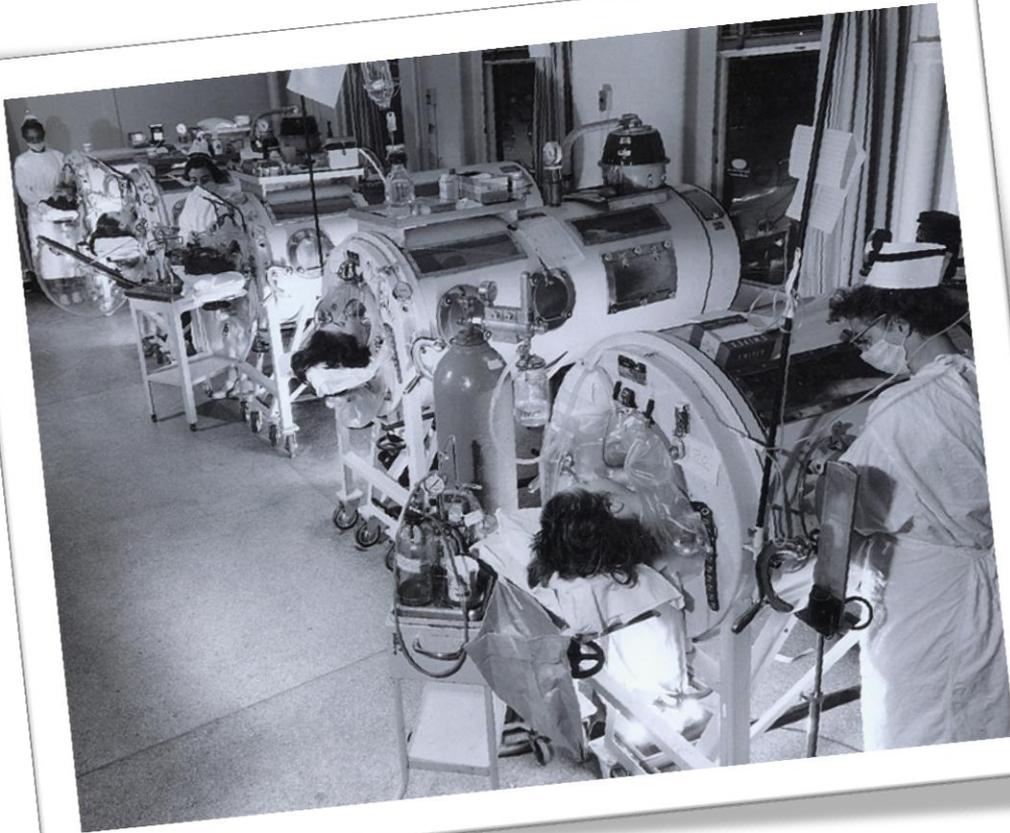


# Building better iron lungs . . . or dismantling an industry?

**Early 1950s**

More than **3000** deaths  
from polio in the United  
States alone...

**58,000** cases of polio  
reported; thousands left  
paralyzed



# Building a better batch-processing system . . . or dismantling an industry?

*"That's **1.2 million** students leaving our schools for the streets every single year. That is economically unsustainable, and that is morally unacceptable."*

-President Obama

Another way of looking at this is that a member of the class of 2011 dropped out every second. Most will face dead-end jobs, crippling futures.

**A New Day is Dawning...**



# Top Ten Failed Predictions



## Number 10

*"There is no reason anyone would want a computer in their home."*

-Ken Olson, president, chairman and founder  
Digital Equipment Corp. 1977

# Top Ten Failed Predictions



## Number 9

*"There is practically no chance communications space satellites will be used to provide better telephone, telegraph, television, or radio service inside the United States."*

- T. Craven, FCC Commissioner, in 1961

# Top Ten Failed Predictions



## Number 8

*“Television won ’t be able to hold on to any market after six months. People will soon get tired of staring at a plywood box every night.”*

-Darryl Zanuck, movie producer, 20<sup>th</sup> Century Fox

1946

# Top Ten Failed Predictions



## Number 7

*"There will never be a bigger plane built."*

-A Boeing engineer, after the first flight of the 247, a twin engine plane that holds ten people

# Top Ten Failed Predictions



## Number 6

*"There is not the slightest indication that nuclear energy will be obtainable. It would mean that the atom would have to be shattered at will."*

-Albert Einstein, 1932

# Top Ten Failed Predictions



## Number 5

*"The cinema is a little more than a fad. It's canned drama. What audiences want to see is flesh and blood on the stage."*

-Charlie Chaplin, 1916

# Top Ten Failed Predictions



## Number 4

*“Rail travel at high speed is not possible because passengers, unable to breathe, would die of asphyxia.”*

-Dr. Dionysys Larder

Professor of Natural Philosophy and Astronomy

# Top Ten Failed Predictions



## Number 3

*"The horse is here to stay but the automobile is only a novelty - a fad."*

-The president of the Michigan Savings Bank advising Henry Ford's lawyer not to invest in the Ford Motor  
1903

# Top Ten Failed Predictions



## Number 2

*"The Americans have need of the telephone, but we do not. We have plenty of messenger boys."*

-Sir William Preece, Chief Engineer, British Post Office 1878

# Top Ten Failed Predictions



## Number 1

*"The wireless music box has no imaginable commercial value. Who would pay for a message sent to no one in particular?"*

- Associates of David Sarnoff responding to the latter's call for investment in the radio in 1921



Medicine, 1918



Education, 1955

# C.S. Lewis: *“Hatch or go bad.”*

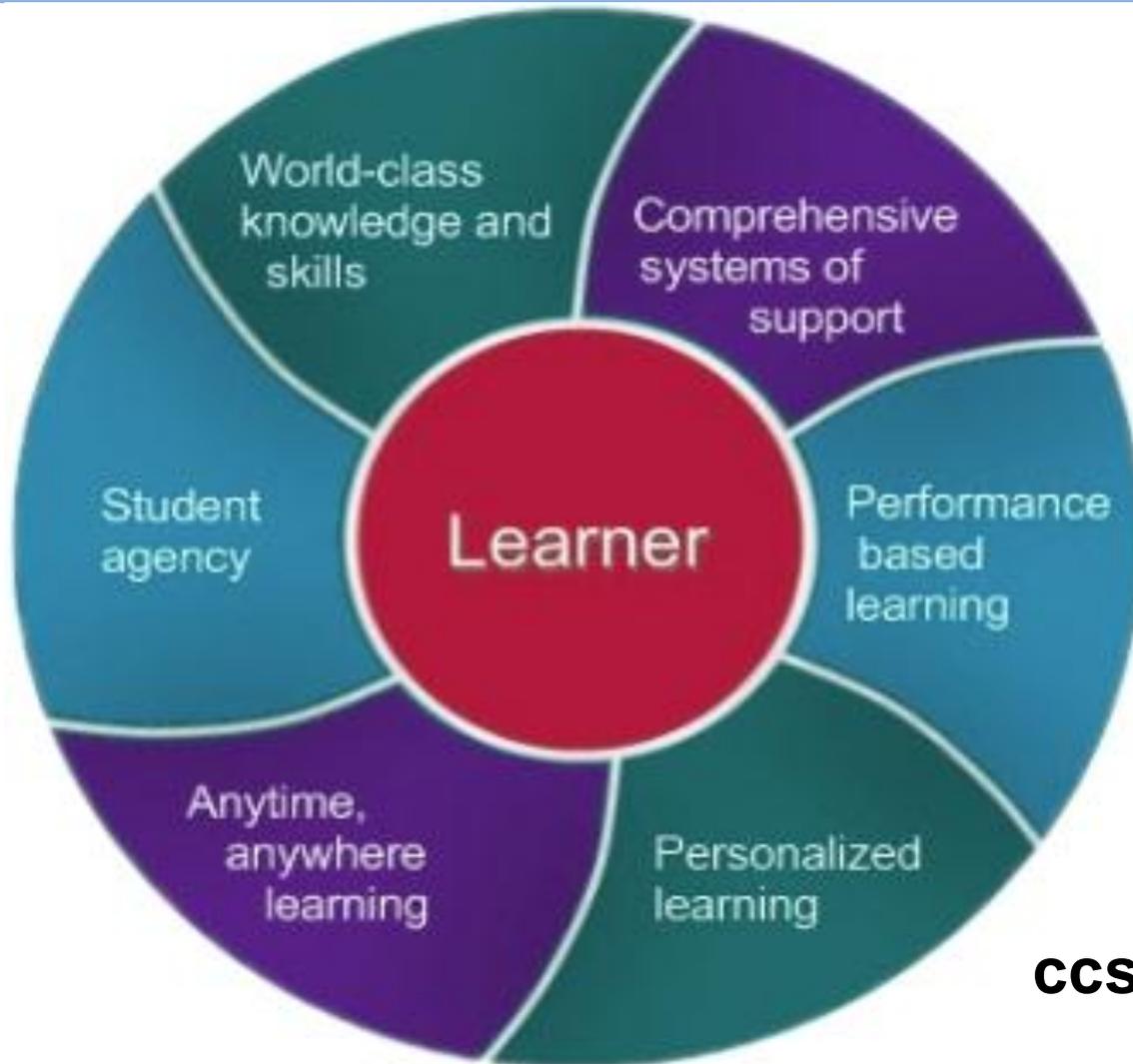


It may be hard for an egg to turn into a bird: it would be a jolly slight harder for it to learn to fly while remaining an egg.



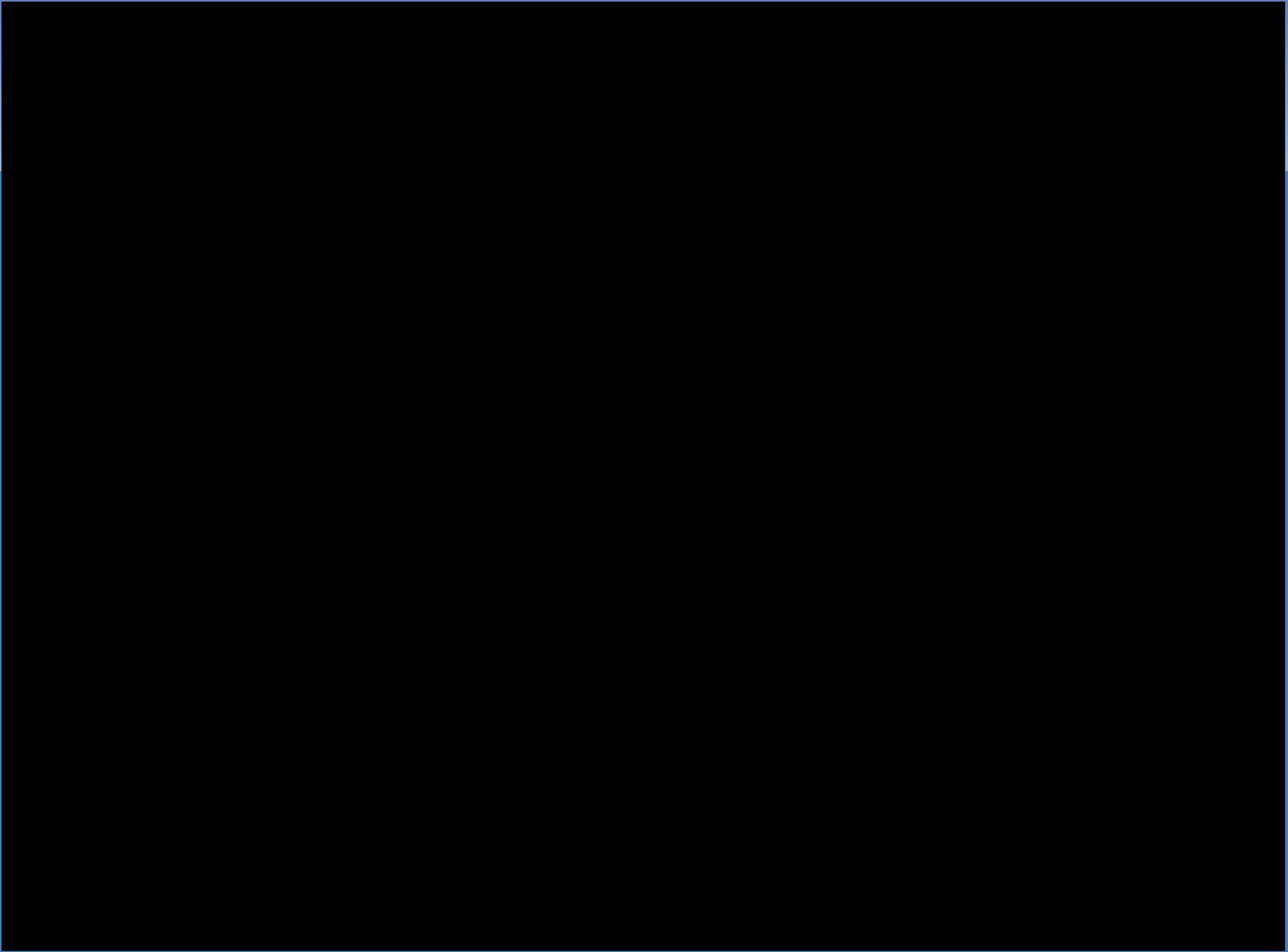
We are like eggs at present.  
And you cannot go on indefinitely being just an ordinary, decent egg.  
We must hatch or go bad.

# Attributes of Next Gen Learning



# How do we build a system for next generation learning?





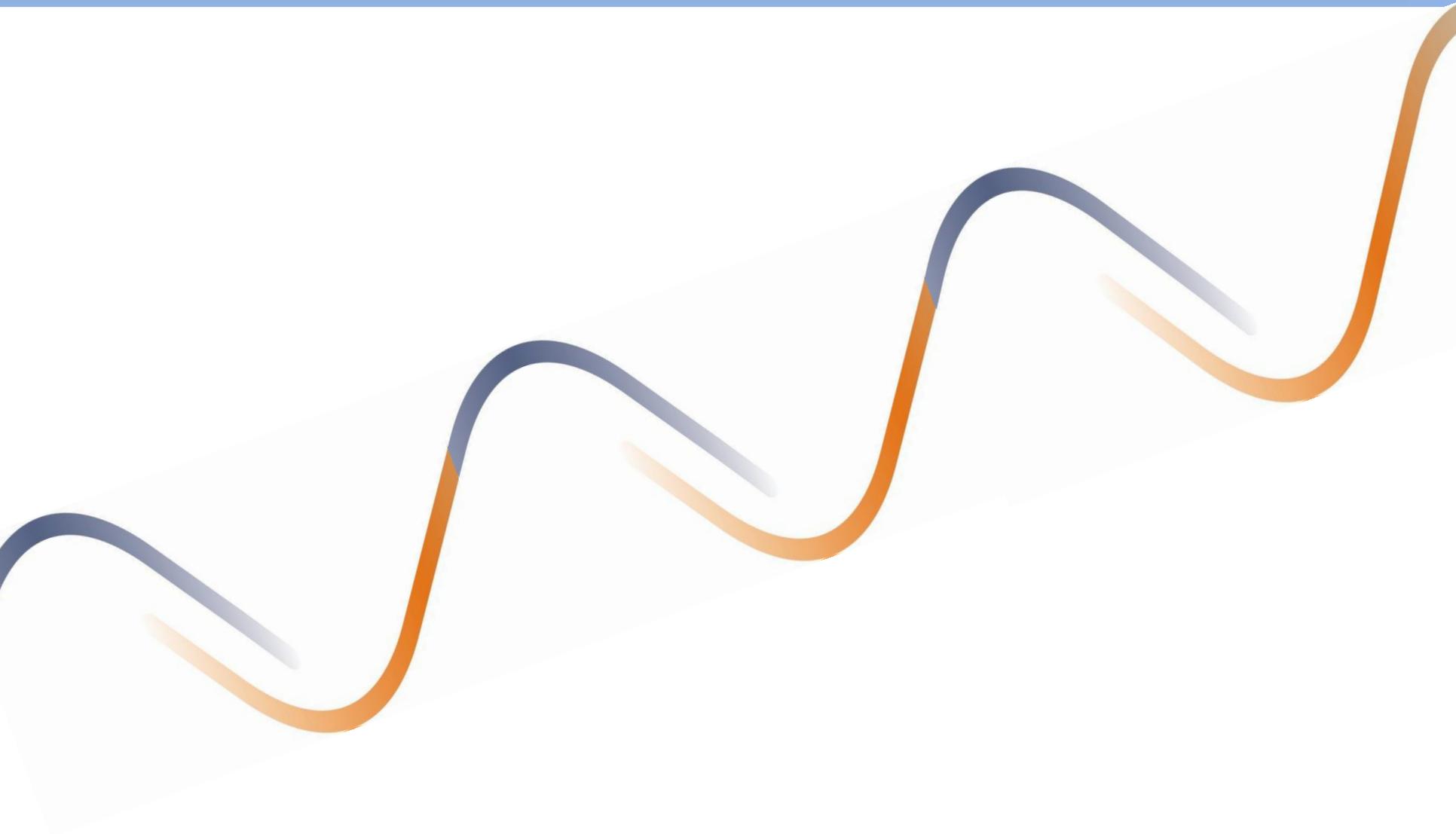
**OLD  
SYSTEM**

**NEW  
SYSTEM**

**How systems change**



# Healthy Systems Re-Generate



# Education Does Not...







# Laboratory School, Late 1800s



*“I’m afraid we have not the desk you want. You want something at which children may work; these are all for listening.”*

*- George Wood, Schools that Work*

**There are no silver bullets**



# Shift of Focus

WHAT

Cognitive



Affective

HOW

Standardized



Customized

WHO

Adults



Learners

WHERE

In School



Anywhere

WHEN

7:30 – 3:30



Anytime

# Major barriers to creating a new system to support customized learning

- **Time-base system:**
    - Age/grade structure
    - Carnegie Unit
  - **Adult roles: “delivery” of content**
  - **“One size fits all” curriculum**
  - **Assessments**
  - **Accountability**
- 
- A large, smooth, light-colored rock is the central focus of the image, resting on a sandy beach. The rock has a mottled texture with shades of tan, beige, and light brown. In the background, the blue ocean meets the shore, with a few smaller rocks visible in the water. The sky is a clear, pale blue. The overall scene is bright and sunny.

# How do we get started?



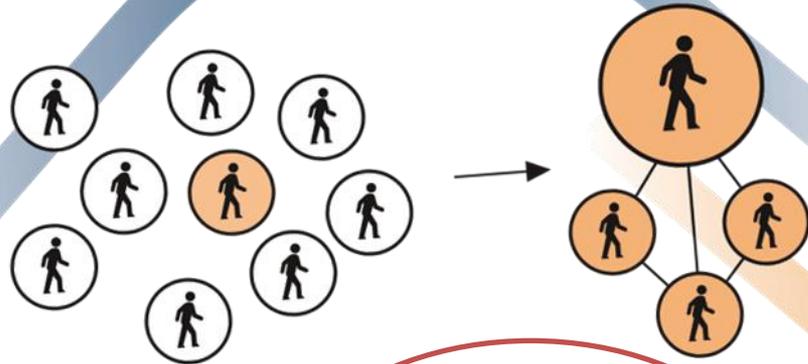
- Get clear about the destination for students:
  - Knowledge
  - Skills
  - Dispositions
- Get clear about what we will measure and report – “our” accountability to students, parents, the community
- Connect with others who share the vision and are passionate about implementing it—pioneering practitioners, partners, entrepreneurs

# 1. Find



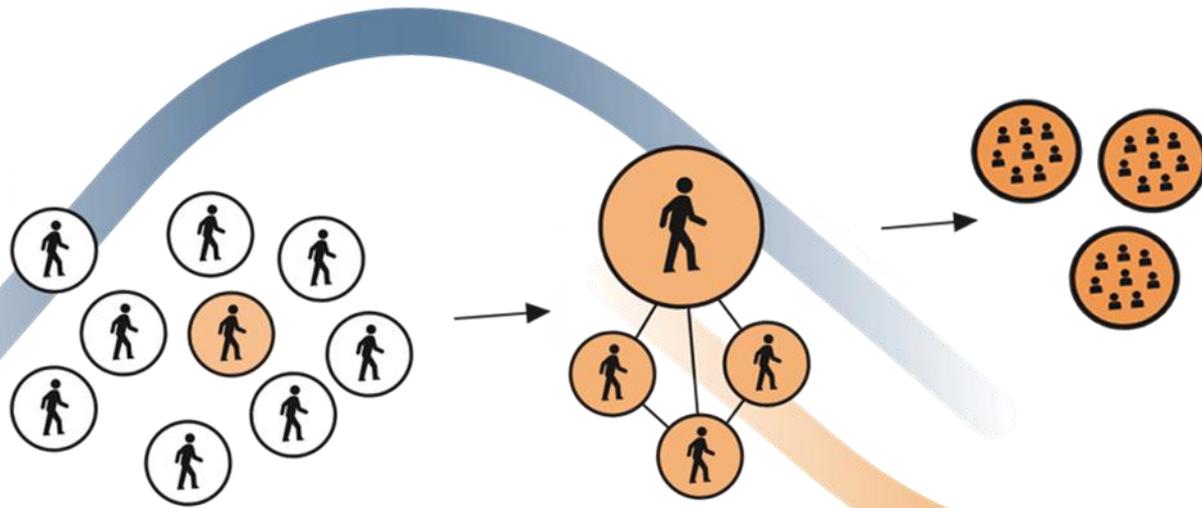
Identify  
Pioneering  
Leaders

# 2. Connect



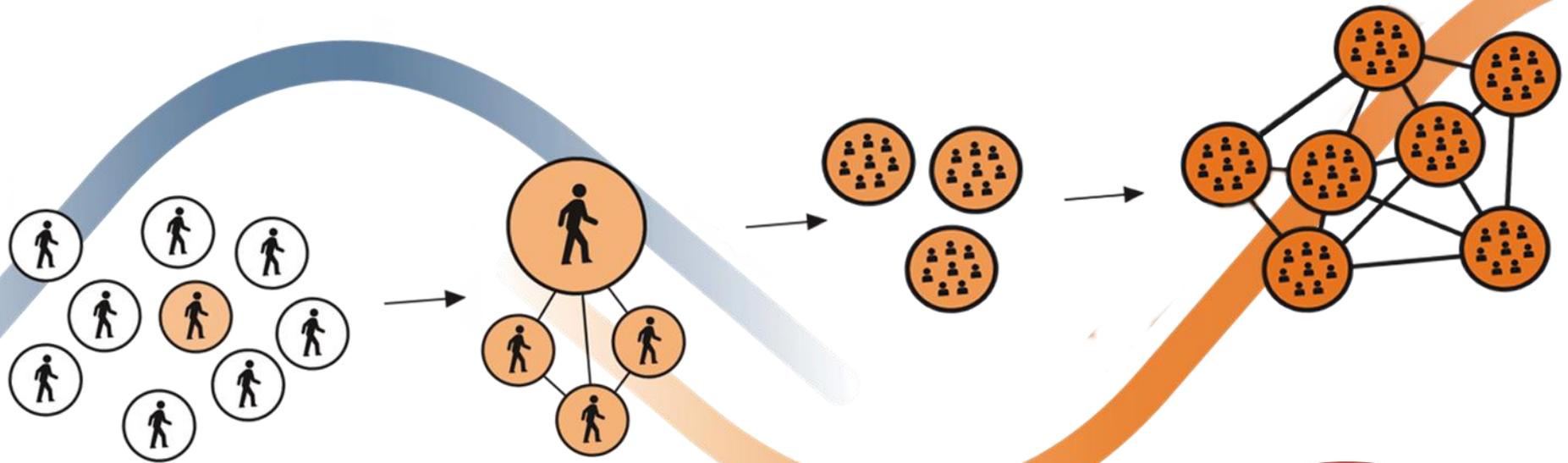
Create  
Networks of  
Pioneering  
Leaders

# 3. Nurture



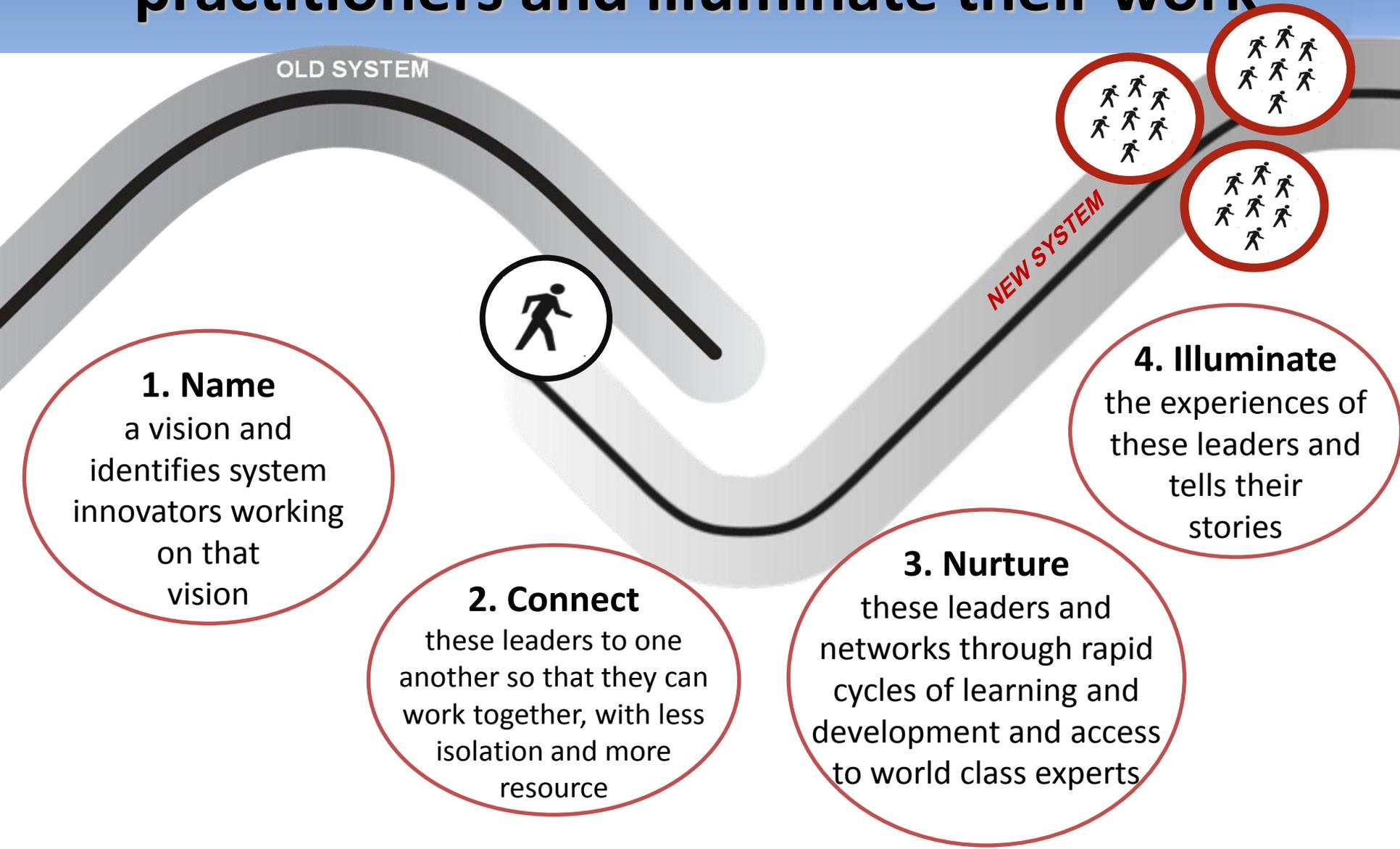
Develop  
Communities  
Of Practice

# 4. Illuminate



Foster  
Systems of  
Influence

# Identify, connect, nurture pioneering practitioners and illuminate their work



Change your words . . . change your world



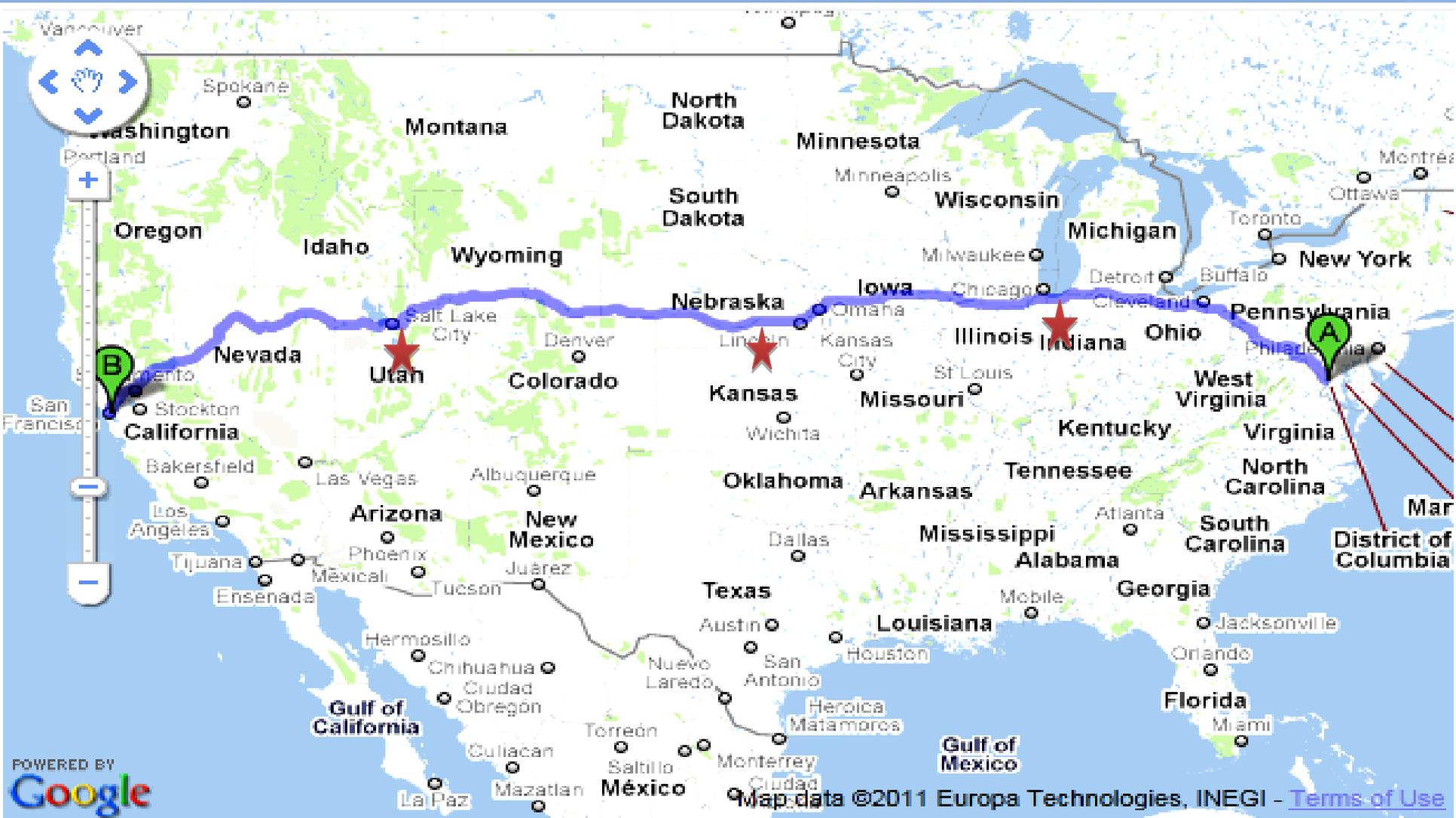
# Measure What's Important

- Knowledge
- Skills
- Agency



# Growth in Knowledge

*... Learners need a GPS system*



# Growth in Key Skill Areas . . .

*EdSteps*

[www.edsteps.org](http://www.edsteps.org)



The centerpiece of EdSteps is a large, public library of student work samples in five key skill areas that are typically difficult and costly to assess. The focus is on student outcomes rather than inputs.

**Writing – Global Competence – Creativity**  
**Problem Solving – Analyzing Information**

# Purpose of EdSteps



EdSteps is intended to help teachers, parents, and students answer a central question for student growth: **Where is a particular student now, and what should he or she do to improve?**

# EdSteps Writing Continuum

CCSSO Continuum

http://trunk/EpsilonClient/CCSSO/Continuum/continuum.html

Google

Apple Yahoo! Google Maps YouTube Wikipedia News (139) Popular



## EdSteps Writing Continuum

EdSteps is a large, public library of student work samples in key skill areas. Learn more about using the [Writing Continuum](#).



Grade: All Purpose: All Subject: All Bookmark: default Results: 601 List view

Grade: 4th Grade  
State:  
Country:

Skill: Writing  
Subject: English and Language Arts  
Purpose: Narrative (tells a story)

Written In: N/A  
Written For: N/A



Grade Band: 3 - 5 Skill: Writing Subject: English and Language Continuum Placement: 9 272/601

Document Comments

Student  
Gender : N/A  
Grade : N/A  
State : N/A  
Country : N/A

Work  
Purpose : N/A  
Skill Category : N/A  
WorkID : N/A  
Subject : N/A  
Written in : N/A

# Speak Up: National Research Project



Project Tomorrow

The new 3 E' s

- Enabled
- Engaged
- Empowered

# Measuring Growth in Student Engagement, Agency

## Youth Truth Survey Center for Effective Philanthropy

- Demonstrates power of comparative feedback from students

## My Voice Surveys Quaglia Institute for Student Aspirations

- Students voice their feelings/opinions on classes, relationship with teachers, and sense of school climate

## Hope Survey EdVision Schools

- Schools assess environment by measuring student perceptions of autonomy, belongingness and goal orientation

## Student Engagement Survey School Perceptions

- Enables districts to identify and prioritize factors that are preventing students from fully engaging in school using Dropout Risk Factors and Exemplary Factors Study(Hammond, et. al, 2007)

SEARCH:

Youth Truth Survey

QISA.org

EdVision Schools

HSSSE

# ATTITUDE and CHOICE

~~im~~possible

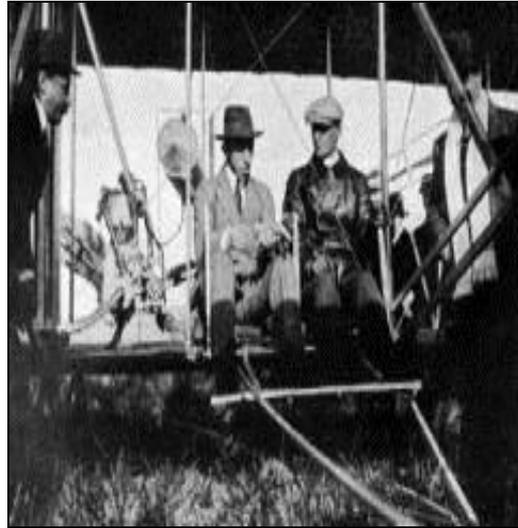
~~un~~attainable

# FINDING JOY IN THE WORK



*Dr. Martin Luther King Jr.*

**COURAGE**



*The Wright Brothers*

**CONFIDENCE**



*Eleanor Roosevelt*

**ENTHUSIASM**

