

Introduction – Review of Our Work

Nylajeon McDaniel, PhD

Part One – Community Perspective...

Jim Posch

Part Two – Educator Perspective...

Donna Feldman, PhD



21st Century Learning

Applied To:

The Cleveland Heights – University Heights City School District

2010-11 Education Subcommittee Findings
December 8, 2010

Purpose

To review and analyze
21st century learning
environments and
educational
opportunities for
students of the
CH-UH City School
District



Review of Our Work

- **Three meetings**
 - Read and discussed numerous articles
 - Hosted a guest speaker on the traits of learning organizations
- **Visited four schools**
- **Interviewed representatives of a fifth school district just beginning a new building project**



Part One – Community Perspective...

Jim Posch

Part One

Community Perspective

Part One – Community Perspective...

Looking for Answers

Who are we here for?
(the stakeholders)

Part One – Community Perspective...

Looking for Answers

Who are we here for?
(the stakeholders)

What is 21st Century Learning?
(blueprint and best practices)

Part One – Community Perspective...

Looking for Answers

Who are we here for?
(the stakeholders)

What is 21st Century Learning?
(blueprint and best practices)

What should we be thinking about doing?
(examples and ideas)

Our Approach

“Blowing up the Concept of School”

- Patrick Mullen, Committee Member



Our Approach

“Blowing up the Concept of School”

- Patrick Mullen, Committee Member

Meaning: We Need to Take a Fresh
Look at State-of-the-Art Education
Practices...

The Stakeholders

You've Heard This Before:

“We're Doing This for the Kids”

or

“Our Kids Deserve the Best”

The Stakeholders

You've Heard This Before:

“We’re Doing This for the Kids”

or

“Our Kids Deserve the Best”

...Only Partially True

The Stakeholders

Actually, There Are Four Stakeholders...

21st Century Learning

Students

Primary
Beneficiary

The Stakeholders

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21st Century Learning

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Teachers

They need the
vision and
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Parents

The advocates
for our
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21st Century Learning

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The advocates
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Community

The people
who need to
have a good
reason to pay
for all of this...

The Stakeholders

21st Century Learning

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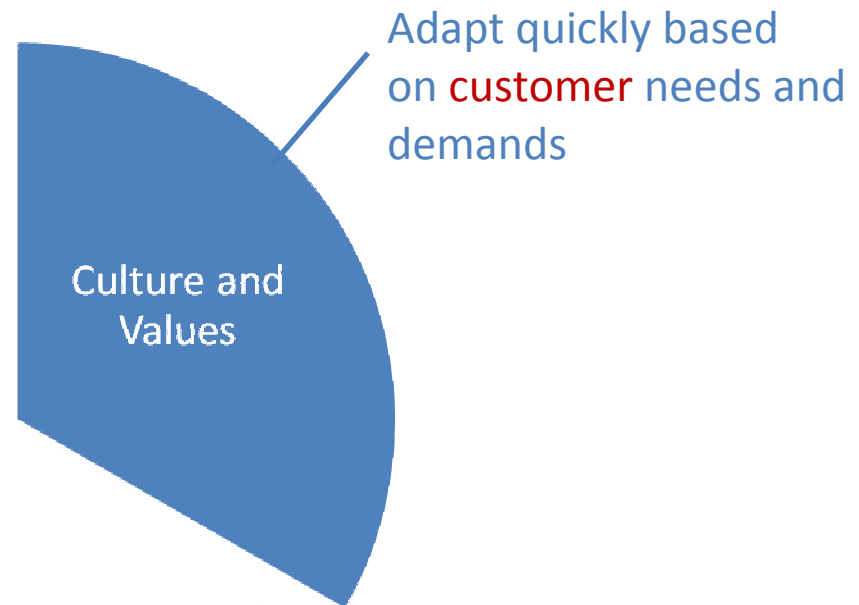
The advocates
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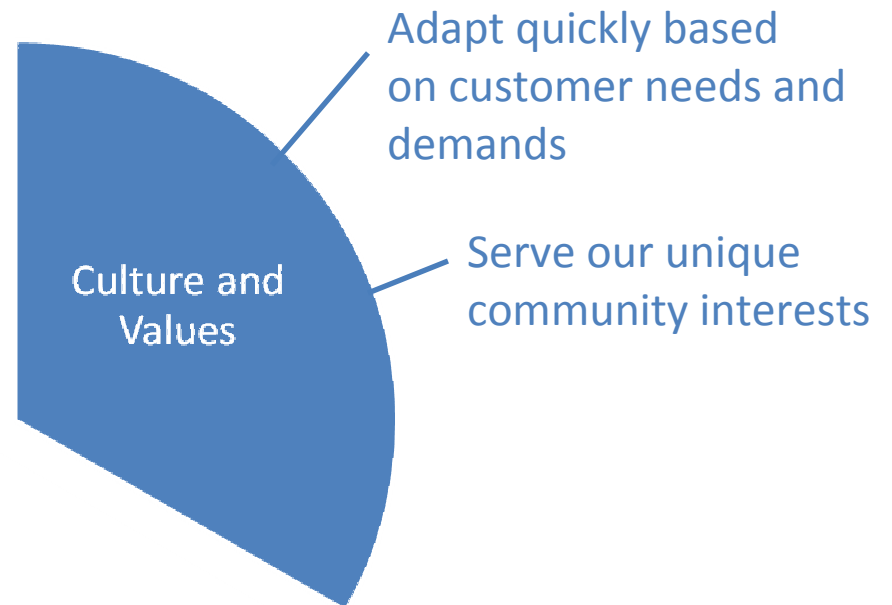
The people
who need to
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These are the **“customers”**

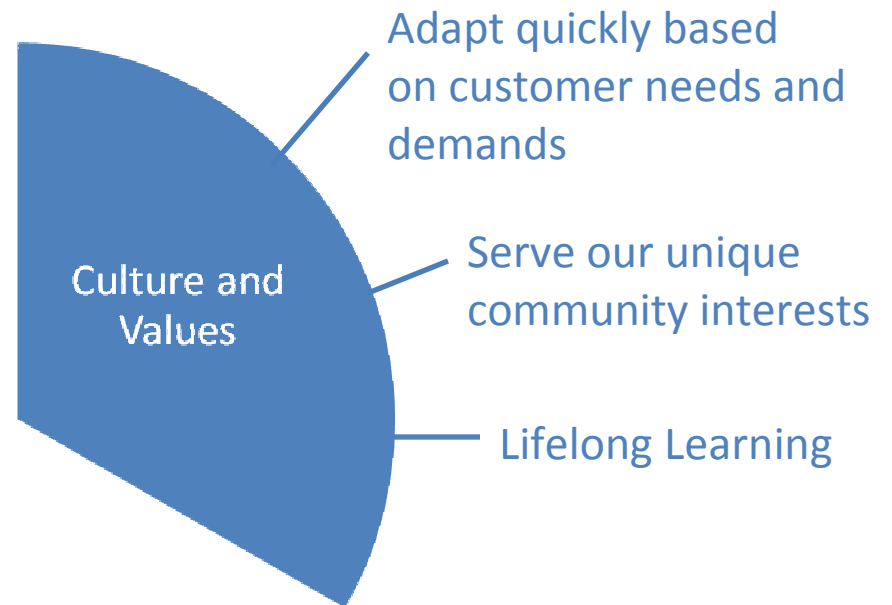
What “drives” 21st Century Learning



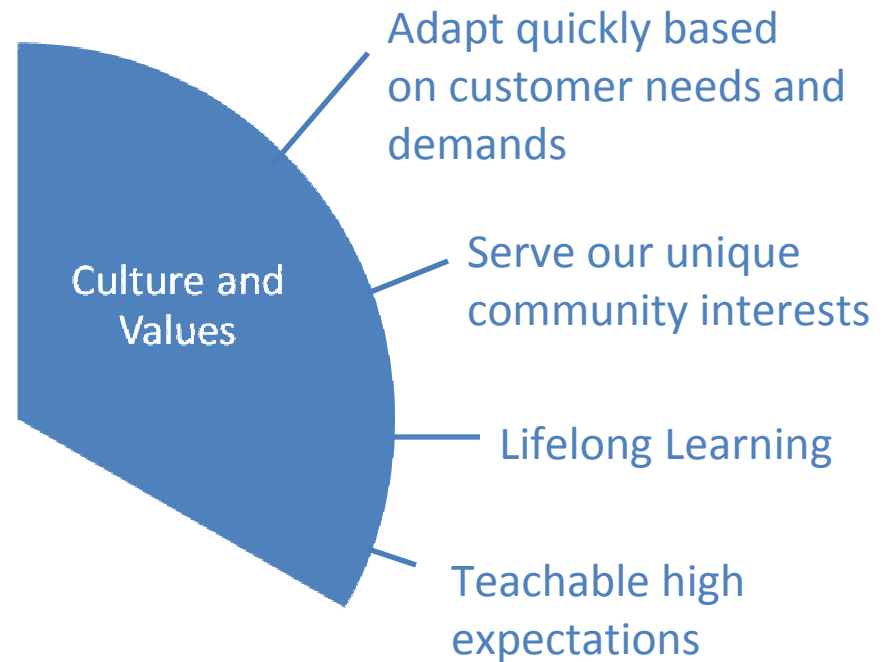
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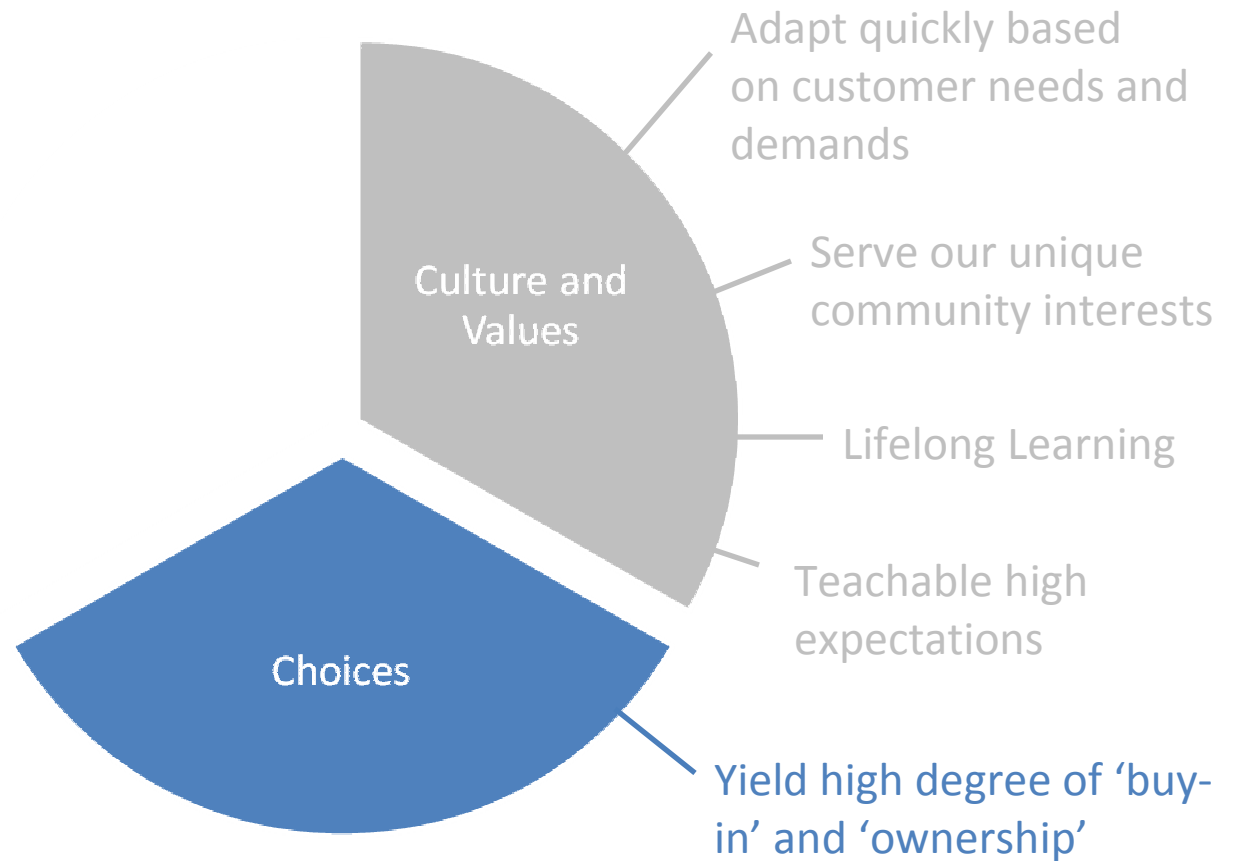
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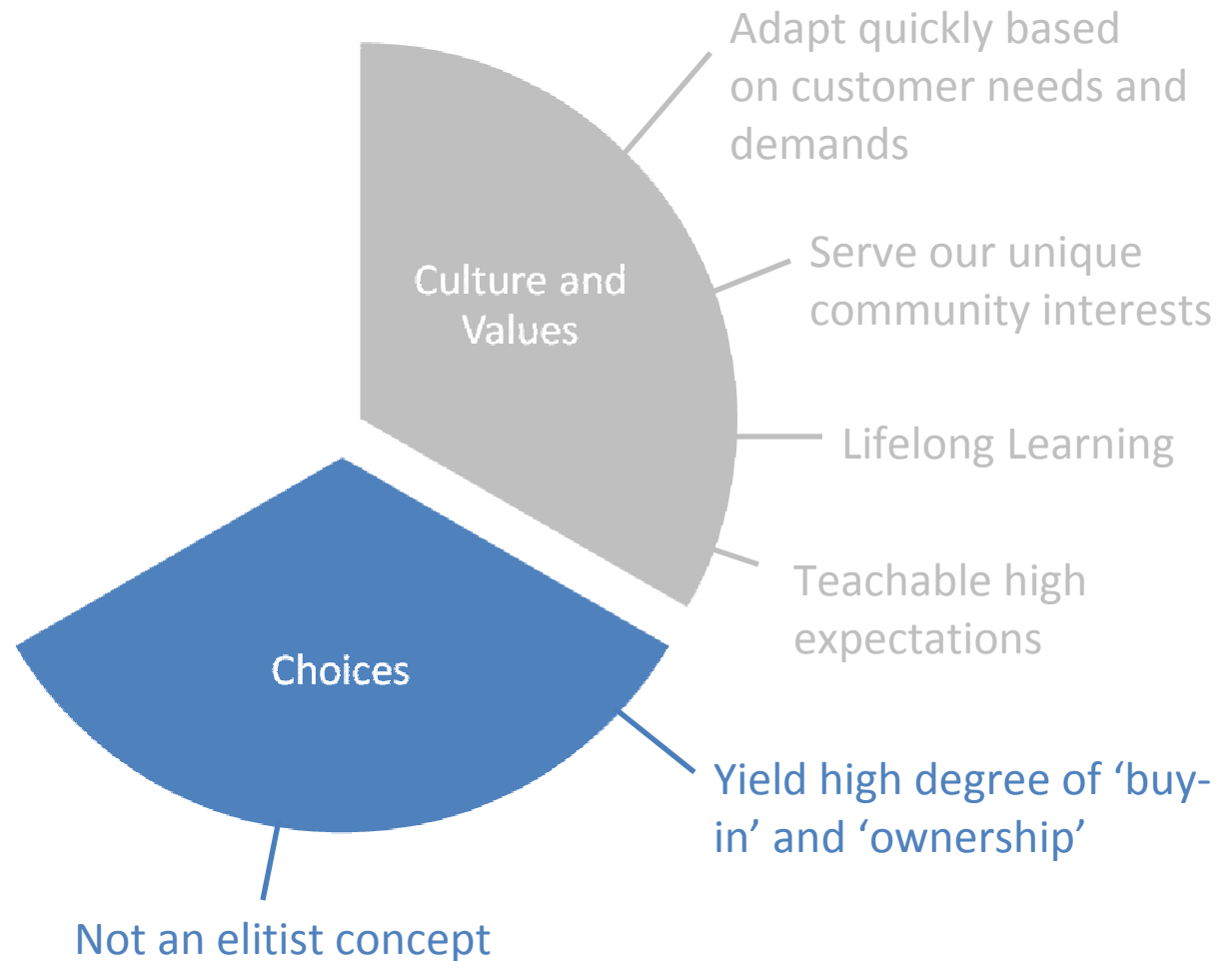
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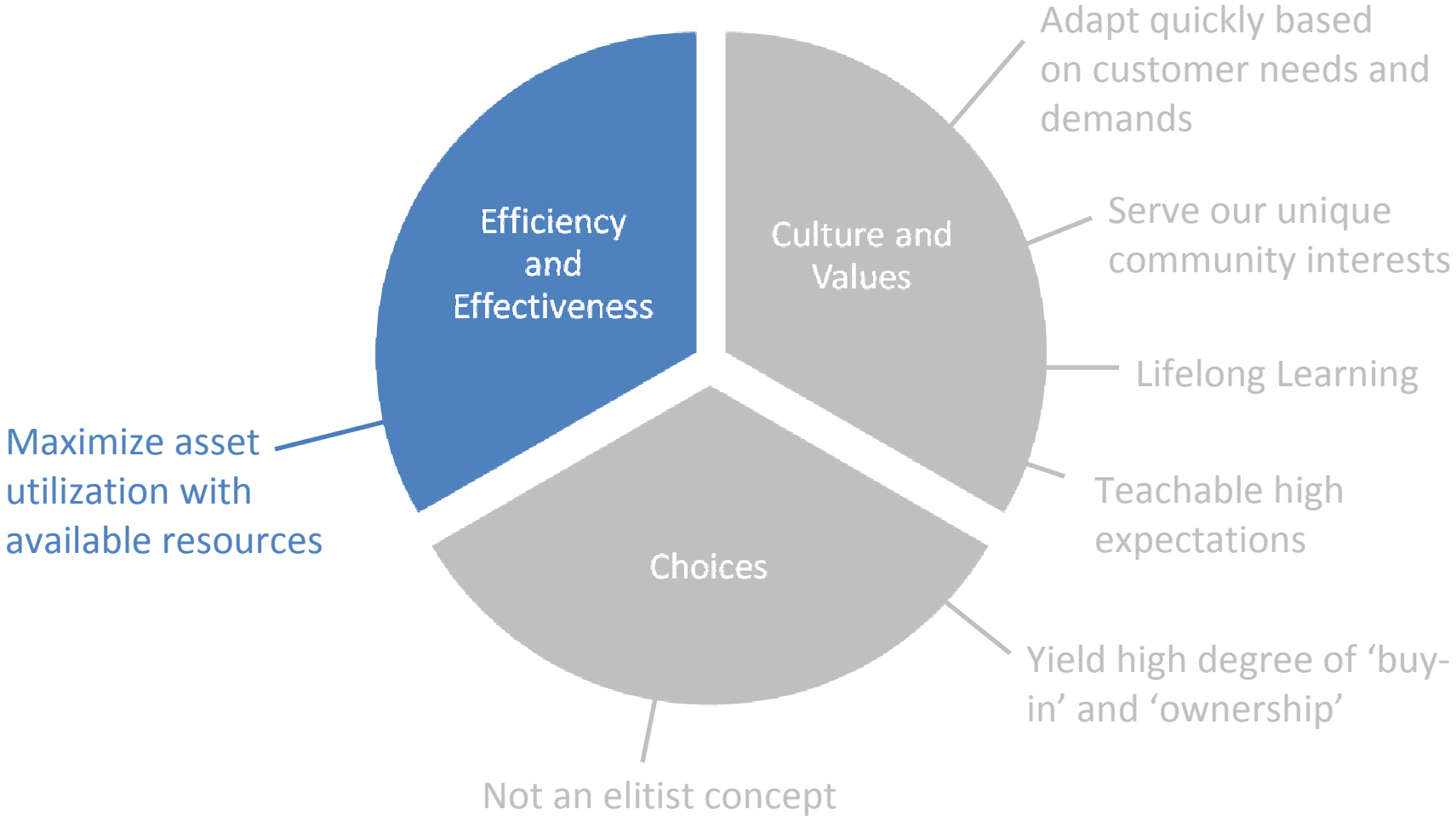
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What “drives” 21st Century Learning



What “drives” 21st Century Learning



Balancing Efficiency and Effectiveness...



“Factory Schools”
Large
Traditional

versus



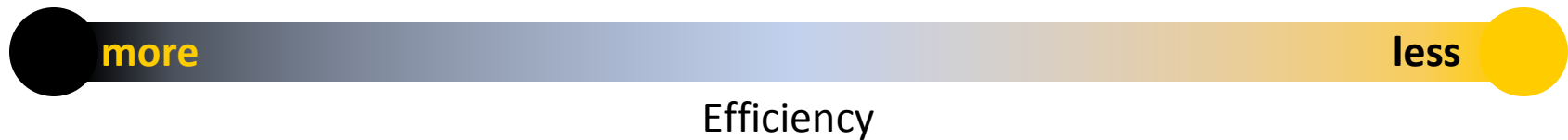
“One-On-One”
Small - Personal
Customized

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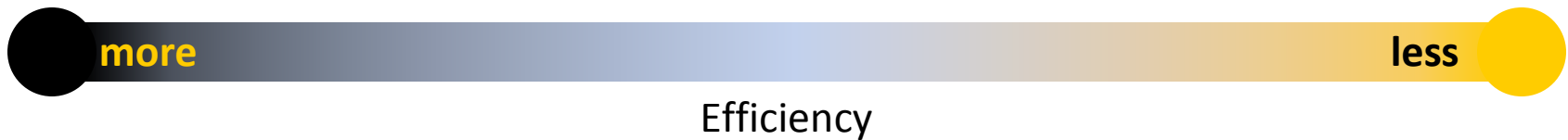


Balancing Efficiency and Effectiveness...

“Factory Schools”
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“One-On-One”
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‘Effective’ for:

Some



‘Effective’ for:

All



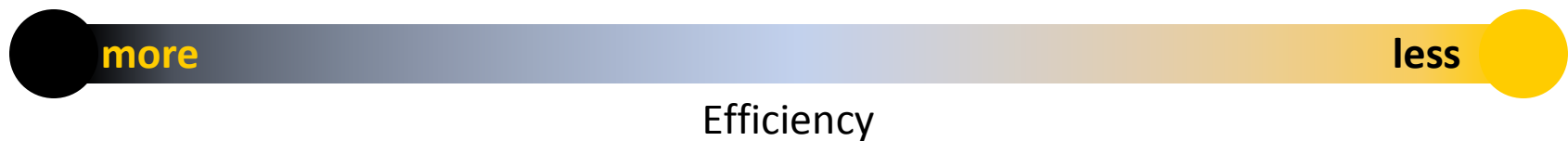

Balancing Efficiency and Effectiveness...

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Groups like the American Institute of Architects, Gates Foundation and Knowledge Works Advise Against Large, Traditional, Factory Like Schools...

but

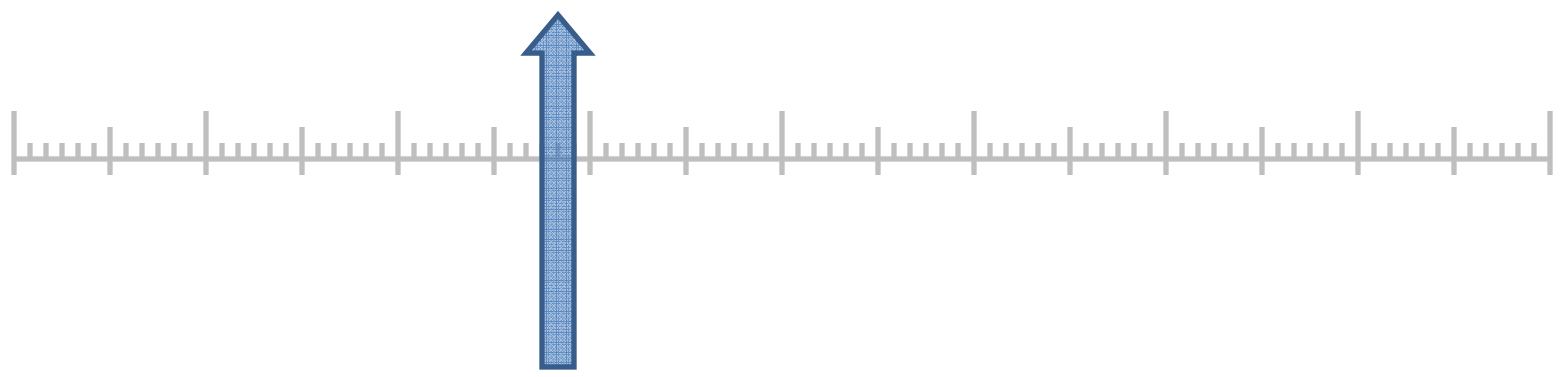
A Solely ‘One on One’ Approach is Unrealistically Costly

Balancing Efficiency and Effectiveness...

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Million Dollar Question:



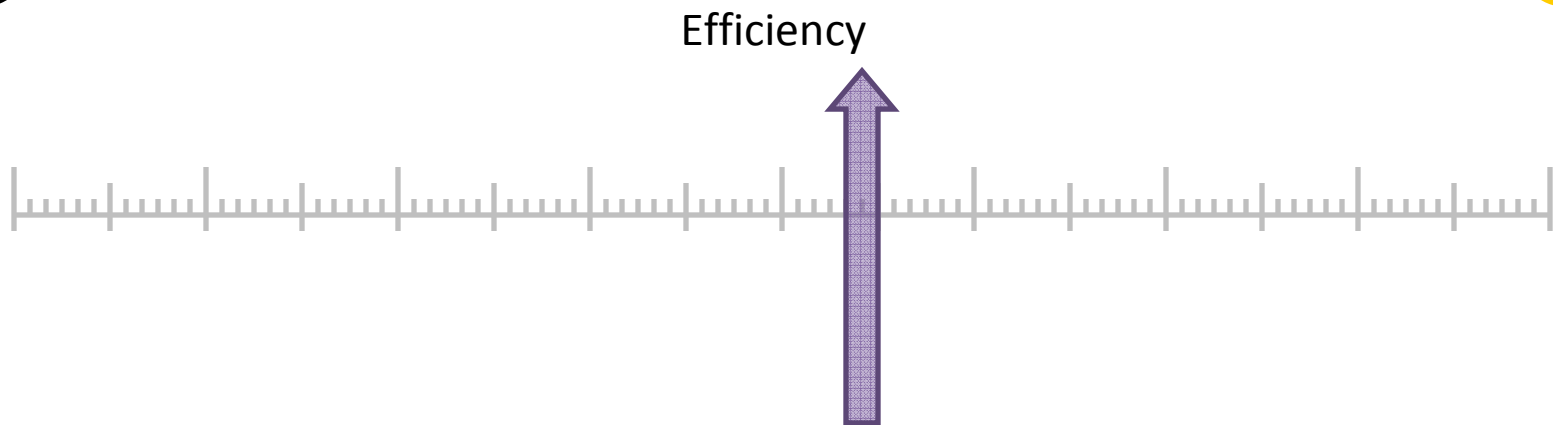
Where Do We Want To Be On This Line?

Balancing Efficiency and Effectiveness...

“Factory Schools”
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Million Dollar Question:

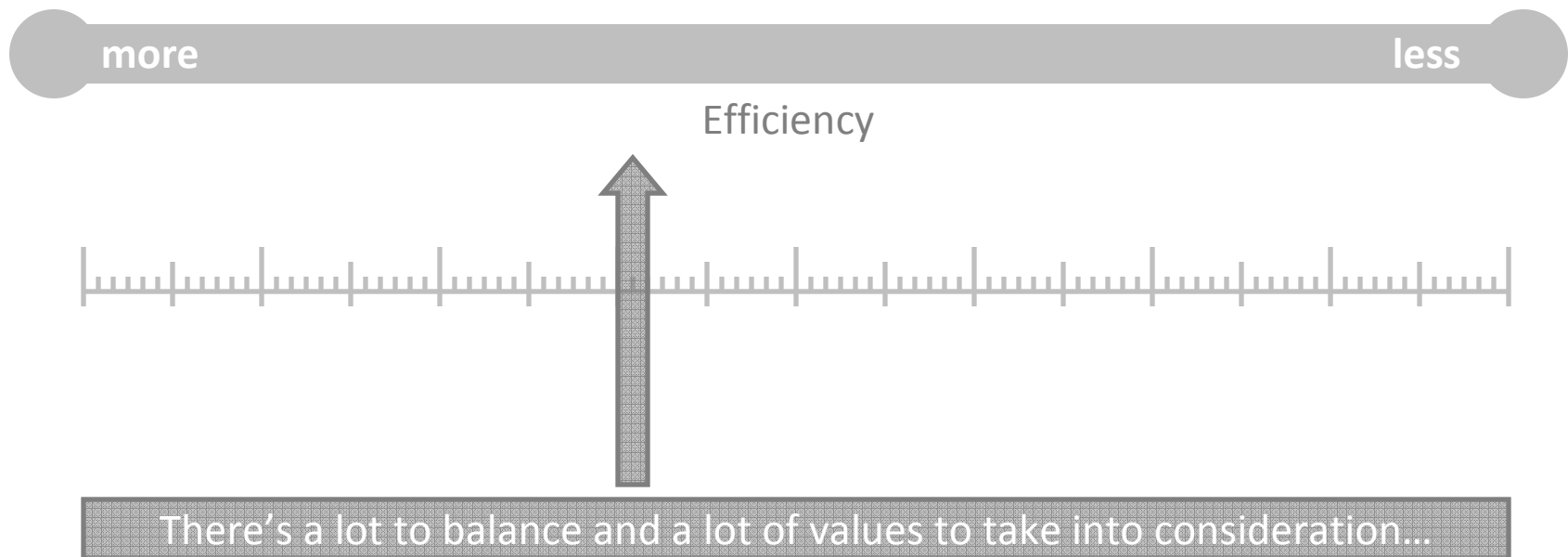


There's a lot to balance and a lot of values to take into consideration...

Balancing Efficiency and Effectiveness...

21st Century Learning

... this is why there's no clear 'blueprint' or 'method' that defines 21st Century Learning



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**It's not the 'open classroom' approach we remember
from the 1970's**

... this is why there's no clear 'blueprint' or 'method'
that defines 21st Century Learning

It's not the 'open classroom' approach we remember
from the 1970's

It's an approach that's highly customizable and adaptable

21st Century Learning

Summary of Key Findings...

... this is why there's no clear 'blueprint' or 'method' that defines 21st Century Learning

It's not the 'open classroom' approach we remember from the 1970's

It's an approach that's highly customizable and adaptable

It's also structured in a way to achieve efficiencies

(think of 'small schools' in the High School as an example)

Summary of Key Findings...

1

Implementation of 21st century learning is not dependent on facilities.

But: Facilities do have a positive impact...

- **New Heights High School Entry**



- or -

- **Columbus Metro High School**
- **Elyria High School**

Summary of Key Findings...

1

Implementation of 21st century learning is not dependent on facilities.

2

Heights Schools are already embracing 21st century learning.

- Gearity Preschool Programs
- Full Day Kindergarten
- One to One Notebooks
- Existing Wireless Networks
- Heights High Small Schools
- S.T.E.M. at Boulevard
- Chinese at Roxboro Elementary
- Middle School Teams
- Smart Boards
- International Baccalaureate
- Professional Learning Communities
- ACT Prep For Athletic Teams

Summary of Key Findings...

1

Implementation of 21st century learning is not dependent on facilities.

2

Heights Schools are already embracing 21st century learning.

3

Culture is just as important as the facilities.

Thought To Share

Committee Loved Elyria High's New TV Studio...

... Roxboro Middle Has a TV Studio – No Longer Used

Culture to Support **Sustainability**

Examples of What We Can Do...

- Small Schools Expansion

Examples...

- High School Expansion
 - S.T.E.M.(Science Technology Engineering Math)
 - Muscle (for Athletes)
 - Arts and Music
 - New Family Orientation School
- Expand to Middle Schools

Examples of What We Can Do...

- Small Schools Expansion
- Selective Grade Consolidation



Examples...

- Keep Elementary Schools
 - K-4 Community School
- One 5-6 Grade Building
 - With Small Schools Inside
 - For Efficiency Purposes
- One 7-8 Grade Building
 - With Small Schools Inside
 - For Efficiency Purposes

Examples of What We Can Do...

- Small Schools Expansion
- Selective Grade Consolidation
- **Customer Choice**

Examples...

- Open Enrollment
- Choice Yields Community Buy-In

Examples of What We Can Do...

- Small Schools Expansion
- Selective Grade Consolidation
- Customer Choice
- **Community Centers**



Examples...

- Business Partnerships
 - Training and Readiness Centers
- In Elementary Buildings
 - Local Public Library Branch
 - Offices for Community Organizations
- At High School
 - Centralized Facilities, Pool...

Examples of What We Can Do...

- Small Schools Expansion
- Selective Grade Consolidation
- Customer Choice
- Community Centers
- Ongoing Technology Adoption

- 
- Continue present initiatives...

Part Two – Educator Perspective...

Donna Feldman, PhD

Part Two

Educator Perspective

Teaching/Learning

21st Century Learning

Customizable and adaptable approach; collaboration

Our Beliefs

Teaching/Learning

21st Century Learning

Customizable and adaptable approach; collaboration

Our Beliefs

Structured elements for efficiency

Teaching/Learning

21st Century Learning

Customizable and adaptable approach; collaboration

Project-based and relevant teaching

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21 st Century Learning	Our Beliefs
Customizable and adaptable approach; collaboration	Structured elements for efficiency
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Differentiated instruction	

Teaching/Learning

21 st Century Learning	Our Beliefs
Customizable and adaptable approach; collaboration	Structured elements for efficiency
Project-based and relevant teaching	Structured elements for accountability
Differentiated instruction	Grade-level configurations



CH-UH Students



**Elyria High School
Media Center**



Climate

21st Century Learning

Our Beliefs

Culture of choice

Climate

21st Century Learning

Culture of choice

Our Beliefs

Flexible spaces

Climate

21st Century Learning

Our Beliefs

Culture of choice

Flexible spaces

Promotes critical thinking
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Climate

21st Century Learning

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Smaller is better

Climate

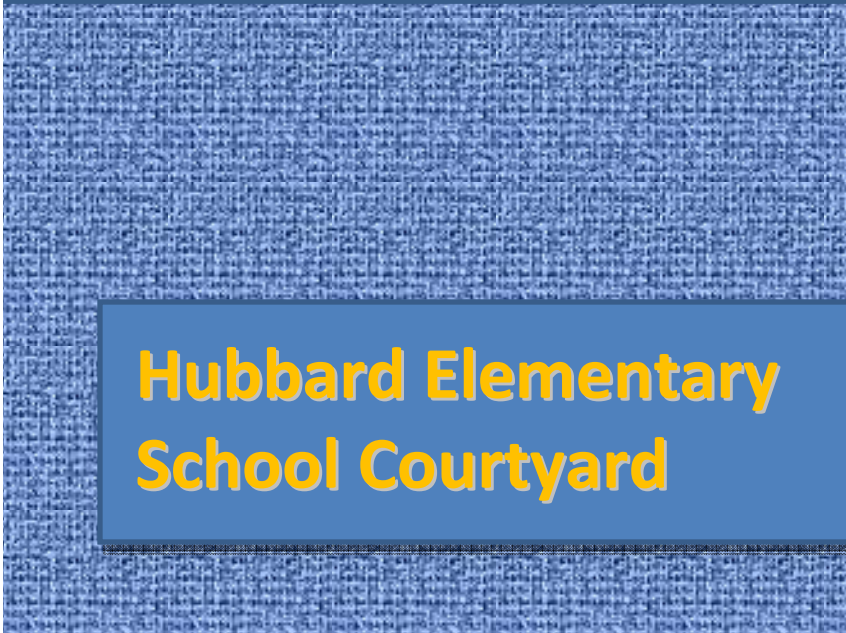
21 st Century Learning	Our Beliefs
Culture of choice	Flexible spaces
Promotes critical thinking and collaboration	Smaller is better
Lens of inquiry	

Climate

21 st Century Learning	Our Beliefs
Culture of choice	Flexible spaces
Promotes critical thinking and collaboration	Smaller is better
Lens of inquiry	Implementation is specific to the community serves



CH-UH Students



Physical

21st Century Learning

Our Beliefs

Customizable learning environments

Physical

21st Century Learning

Customizable learning environments

Our Beliefs

Driven by educational programming

Physical

21st Century Learning	Our Beliefs
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Encompasses entire community	

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Encompasses entire community	Economies of scale



CH-UH Students



Elyria High School Hall of Fame





1923

Cleveland Heights
High School
Students

