PULASKI COMMUNITY SCHOOL DISTRICT

EDspace Conference

Tuesday, November 7
2:30-3:30 PM

Design for Active Learning:

Engaging Today's Learners

Presenters

Allison Space
Superintendent

Jenny Gracyalny
Asst. Superintendent of Teaching and Learning

Amy Uelmen
Director of Instructional Technology

Learning Objectives

- Learn about active learning ecosystems and the integration of learning spaces, technology, and learner-centered pedagogy that leads to student engagement.

- Understand the what, why, and how of intentionally redesigning learning spaces that lead to more student engagement and joy in learning.

Focus on Learning

We will provide learning environments where students engage in collaboration, use critical thinking to become problem solvers, be effective consumers of content and create authentic products purposeful in our global, digital world.

Study, research and create a long range plan for classroom environments for today's learners.

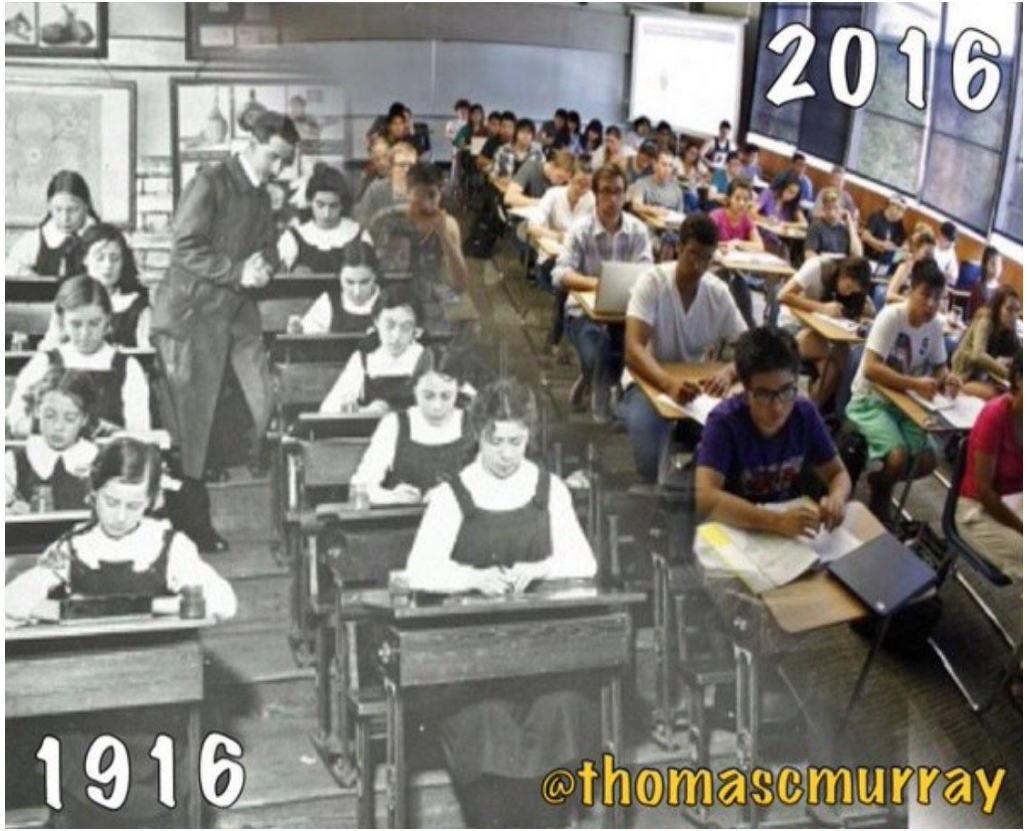
Envisioning Our Future
District Goals - January 2019

Goal	Action Plan/Steps	Timeline	Person(s) Responsible For Action Plan	Evidence of Success
Focus on Learning We will provide learning environments where students engage in collaboration, use critical thinking to become problem solvers, be effective consumers of content and create authentic products purposeful in our global, digital world.	1. Implement the revised 2018 Information Technology Literacy Standards, aligned with content consumption, creativity, critical thinking and collaboration (4Cs).	2019 Unpack 2020 Introduce 2021 Implementation	Instructional Technology Coordinator, Library Media Specialist (LMS)/ Digital Learning Specialist (DLS), Classroom Teachers	ITLS Power Standards ITLS K-12 Scope & Sequence ITLS Assessment Rubrics Authentic Student Projects Course Rubrics PLC Agendas
	2. Study, research and create a long range plan for classroom environments for today's learners.	January- June 2019	Instructional Technology Coordinator, Director of Learning Services, Classroom Design Committee	Classroom Design Long range plan, including technology, furniture, etc.
	3. Co[illegible]sional d[illegible]in a variety of [illegible]to support instructional [illegible]nology, integration of technology and staff technology proficiency.	Ongoing	Instructional Technology Coordinator, Director of Learning Services, Apple Core, LMS/DLS, Administration	Bright Bytes Apple Core PD Catalogs My Learning Plan Participation Records Professional Development Calendar Building/ District Professional Development Agendas Breakfast Bytes Presentations
	4. Explore and provide adequate digital access to devices and software for all students in grades K-2.	2019-2021	Instructional Technology Coordinator, Library Media Specialist (LMS)/ Digital Learning Specialist (DLS), classroom teachers	Bright Bytes App lists District Software Lists Digital Learning Plan

Are we forward and future focused?

"Our schools are becoming museums and we are becoming the curators in American Education"

~Daggett



Perception of Learning to Students?

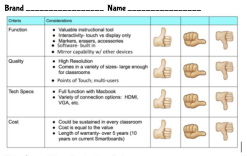
Perception of Learning to Students?

Perception of Learning to Students?

Path To Active Learning Spaces

1

4 C's
iPads
Library
Redesigns

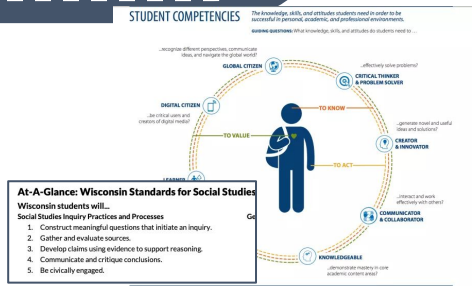


[Classroom Redesign Committee]

2

ITLS Standards and Content Standard Revisions

**shifts to student led instruction and students as critical thinkers*



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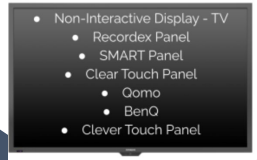
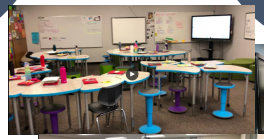
ISTE 2018
SB District Pilot



4

3 Model Classrooms
2018-19

iPad Refresh



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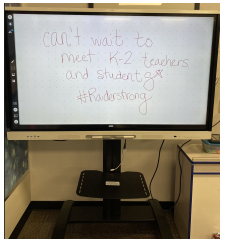
Interactive Flat Panels & Multiple monitors



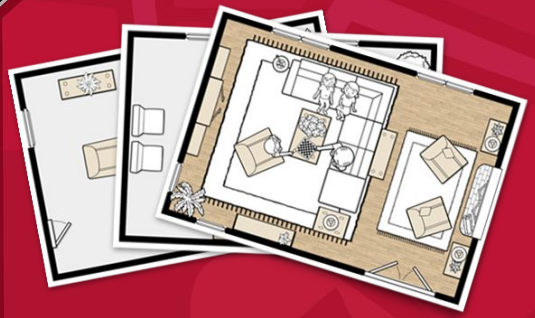
6

10 Model Active, Flexible Classrooms

School Libraries

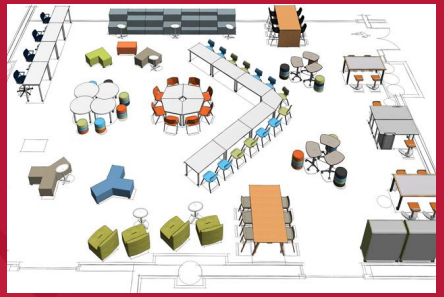
Classrooms

Library Change Goals



Open Space

Multi-Use



Active Learning

Centralized Support

BEFORE

Hillcrest Library

AFTER

Glenbrook Library

BEFORE

AFTER

Glenbrook Library

BEFORE

AFTER

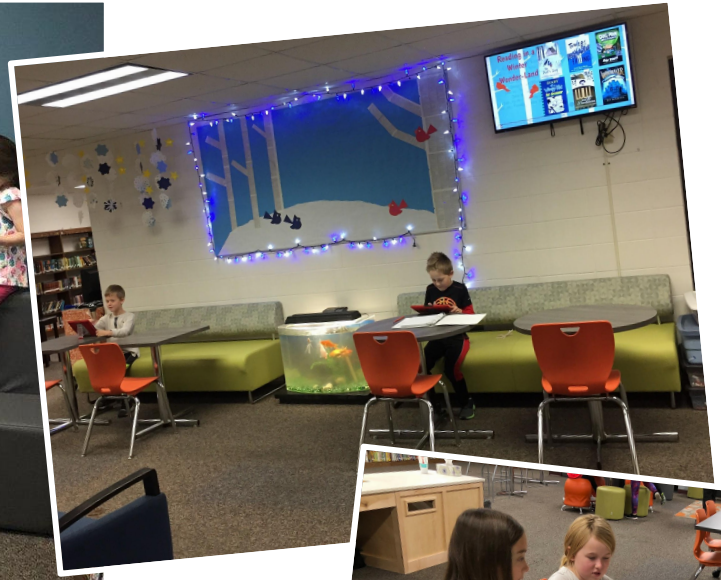
Sunnyside Library

BEFORE

AFTER

Sunnyside Library

Pulaski Community School District



Sunnyside Library

WINTER SEASON
TIME FOR READING
READ

PHS Library

BEFORE

AFTER

Focus on Collaboration

1st

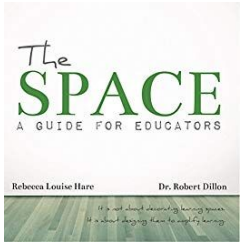
2nd

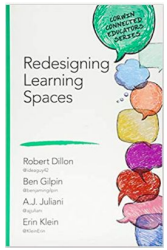
Research on Learning & Classroom Design

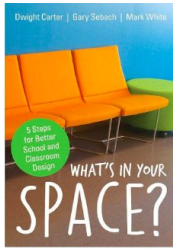
Robert Dillon

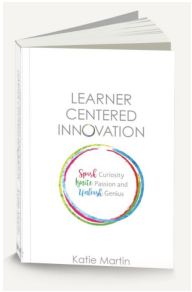
Katie Martin

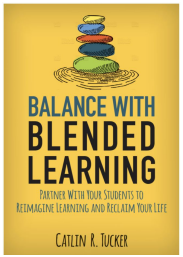
Catlin Tucker

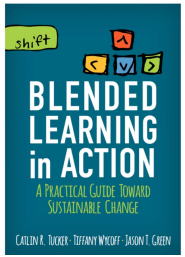


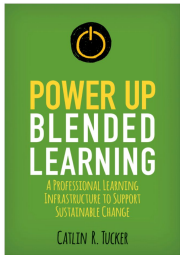






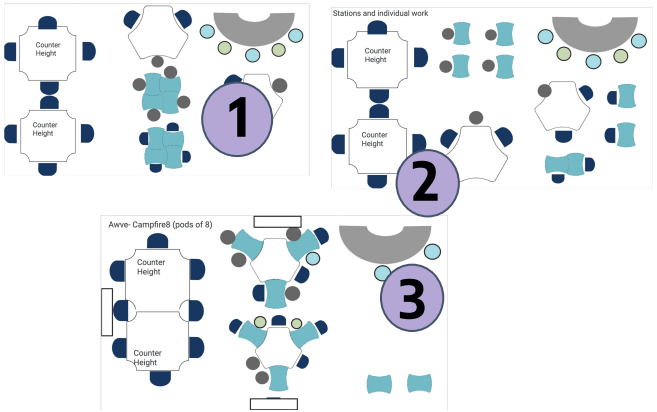




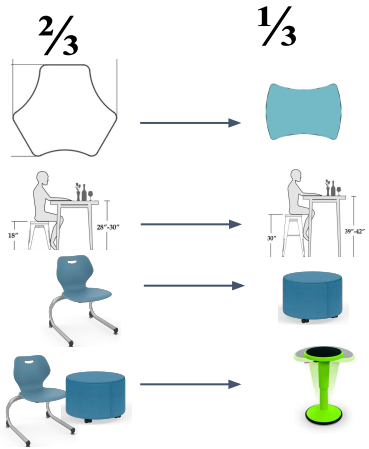


Active, Flexible Classrooms

Flexible Configurations



Balance of Seating



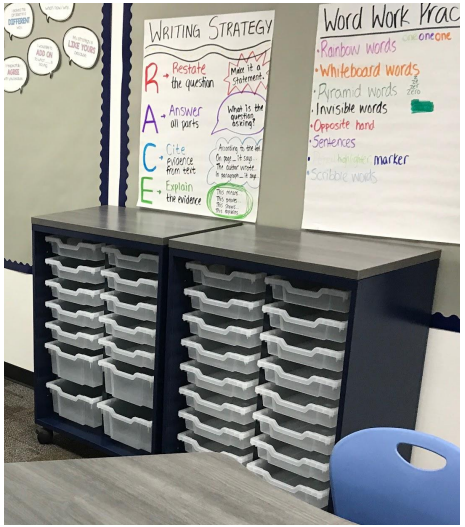
Variety of Heights

Technology to Support Learning

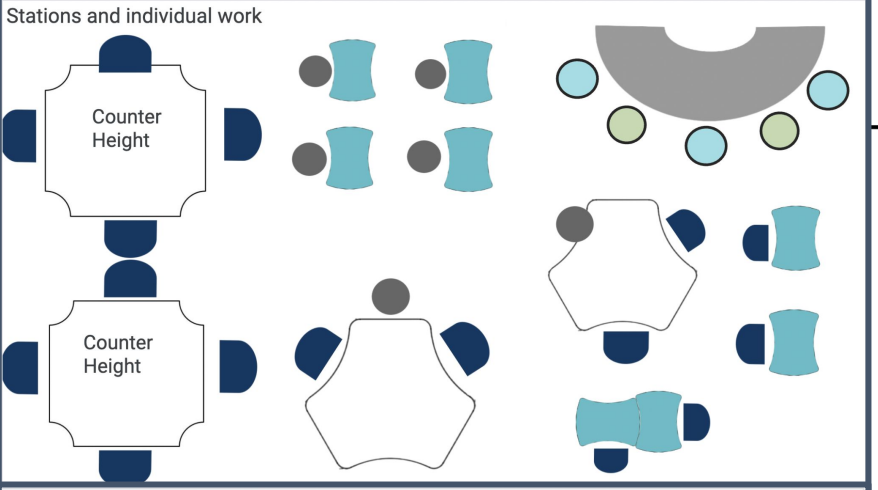
Easily Moveable

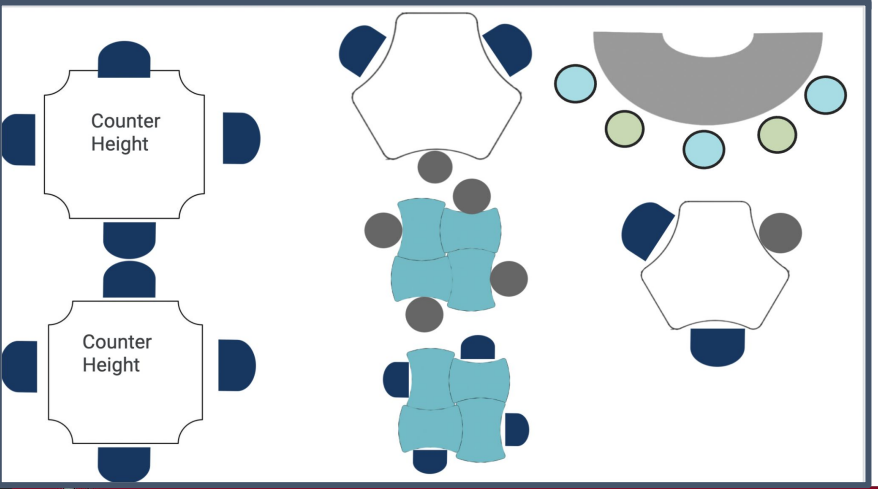
Storage / Whiteboards

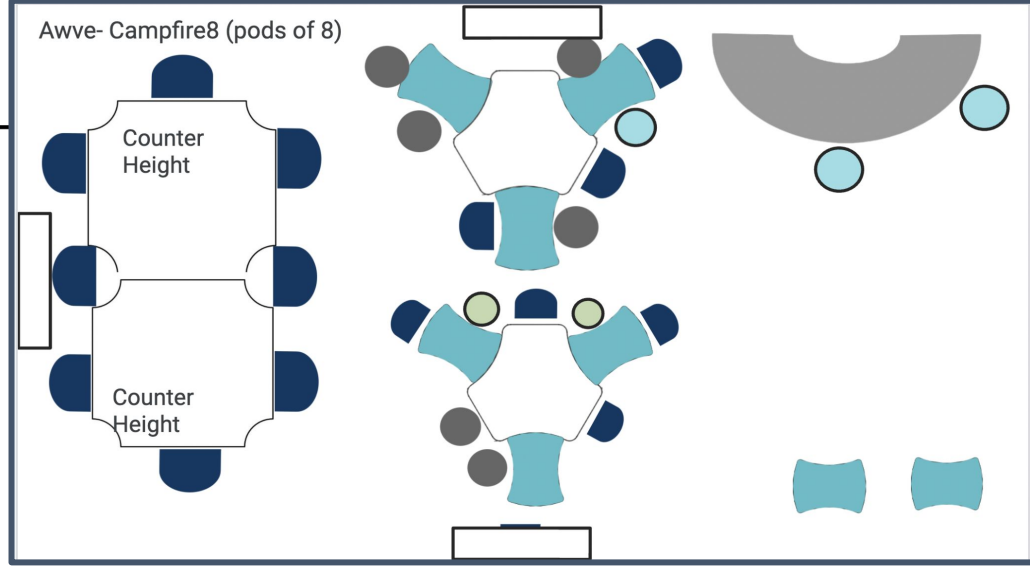
Mrs. Blackburn, Grade 5



Mrs. Awve, Grade 3



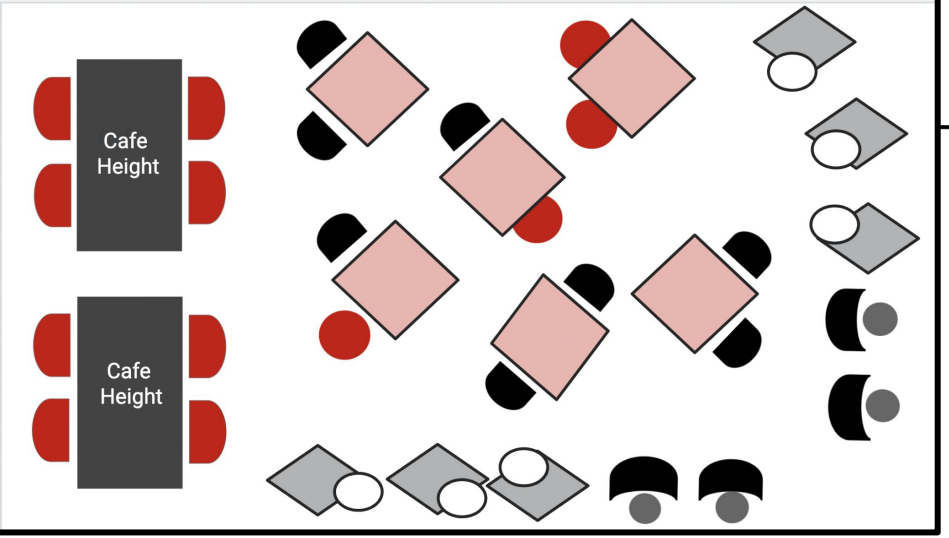


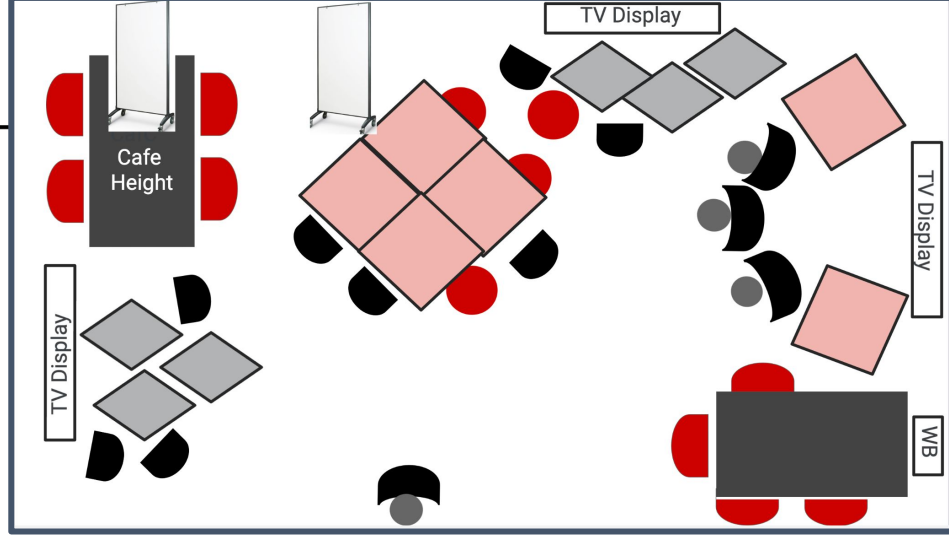


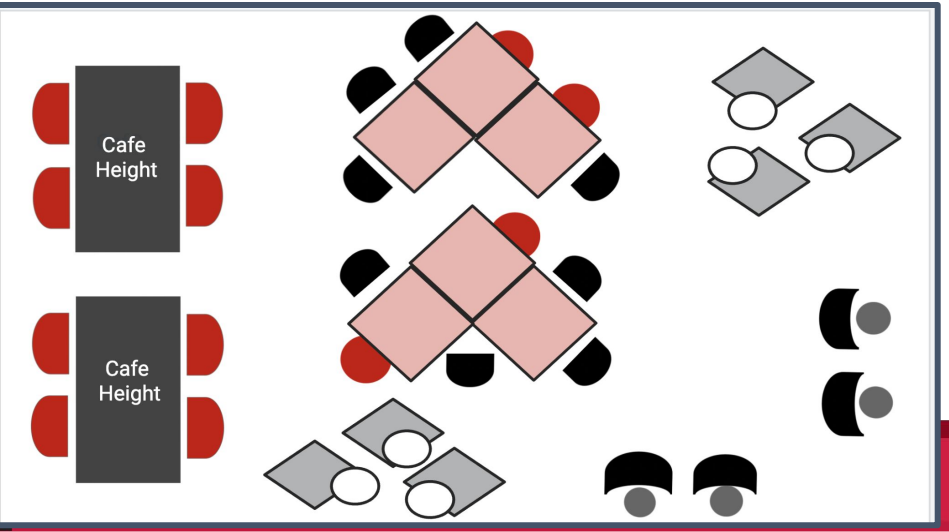
Flexible Configurations

3rd Grade
-Mrs. Awve
Active, flexible classroom
0:00 / 1:28

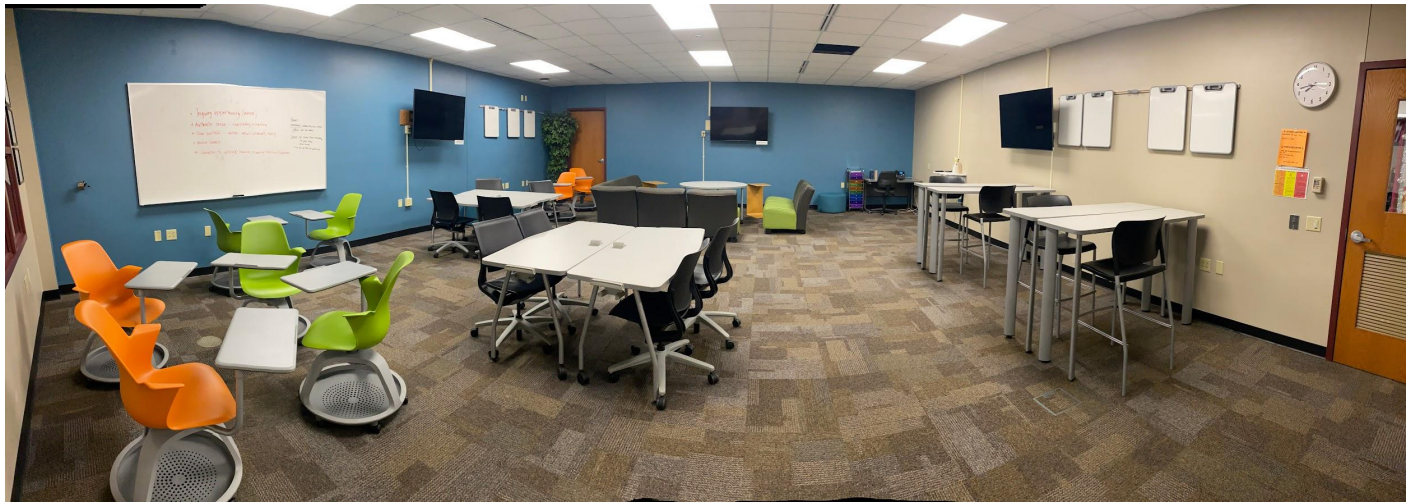
Mrs. Weed, Grade 8


Cafe Height
Cafe Height


TV Display
Cafe Height
TV Display
TV Display
WB


Cafe Height
Cafe Height

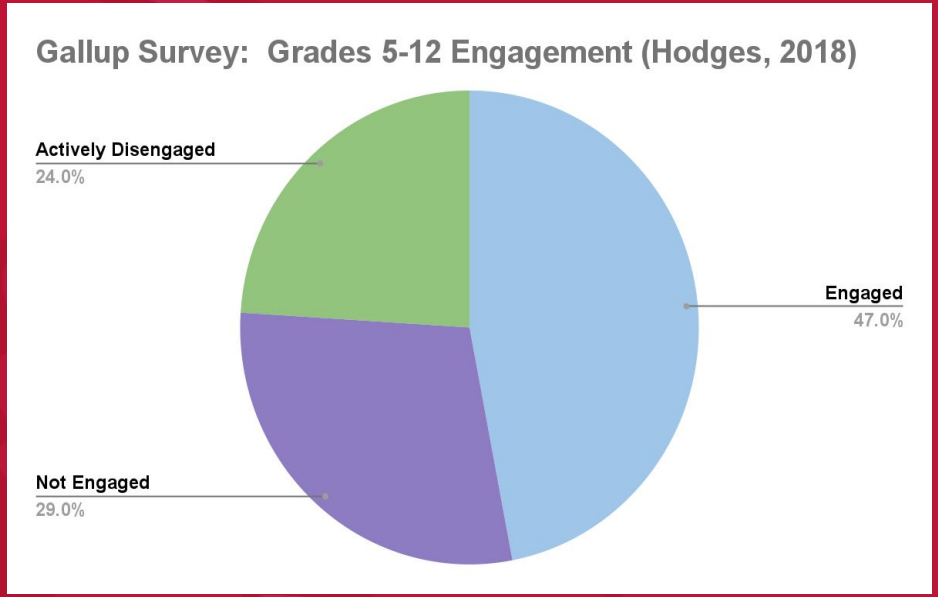
7th Grade
Active, flexible classroom
Mrs. Weed
0:00 / 1:24

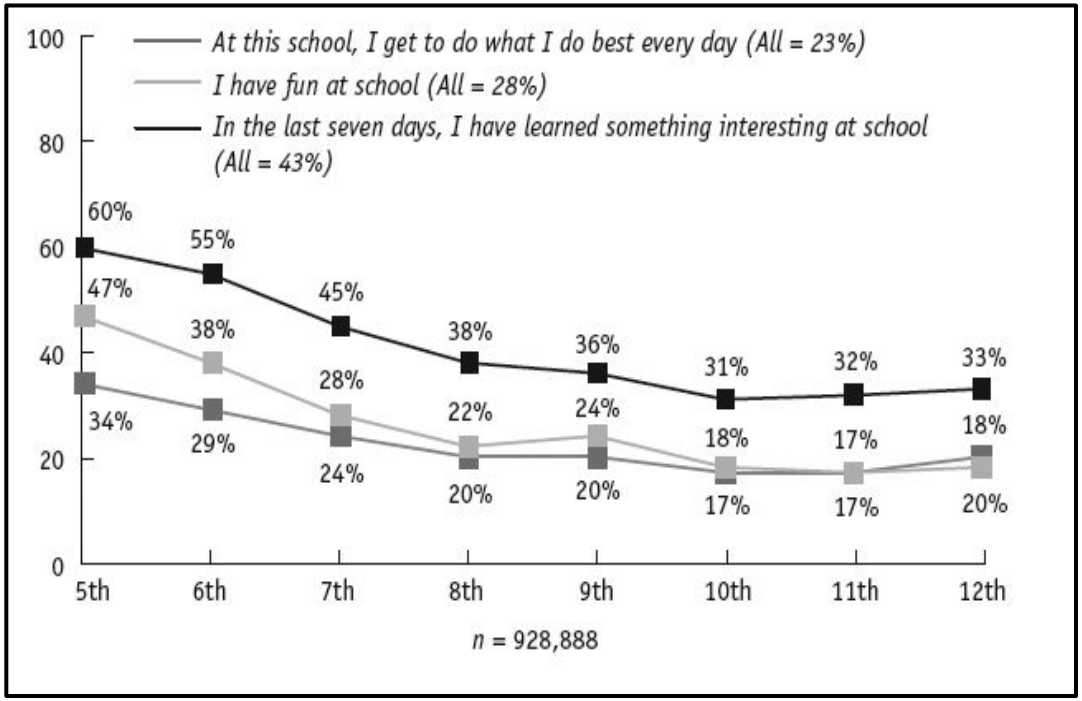


PHS Large Group- Personalized Learning Lab

PCMS Large Group- Think Tank

Student engagement and the **joy of learning** continue to **decline** overall, especially as students t**ransition from elementary to middle and finally high school** (Gallup, 2016; Hodges, 2018).





"Engaged today: Ready for tomorrow," by the Gallup Student Poll, Fall 2015. (Gallup, 2016)

"Engagement is strong at the end of elementary school, with nearly three-quarters of fifth graders (74%) reporting high levels of engagement. But similar surveys have shown a gradual and steady decline in engagement from fifth grade to 10th grade, with approximately half of the students in the middle school reporting high levels of engagement and about one-third of high school students reporting the same".

Student Engagement

When engaged…

- Better mental health, physical health and improved grades and achievement scores (Connor & Pope, 2013)
- Active learning spaces enhances critical thinking, problem solving, creativity and communication (Kariippanon et al, 2019)

When not engaged…

- Evidence of increased school dropouts, problem behaviors and health conditions (Kariippanon et al, 2019)
- Employment epidemic—today's students are unprepared to succeed in workforce (Daggett, 2021)

Transforming Teaching

Transformed Approach **HIGH AGENCY**	>	Traditional Approach **LOW AGENCY**
"Facilitate" learning	>	"Deliver" instruction
Student centered	>	Teacher centered
Learning anytime/anywhere	>	Classroom learning
Personalized, differentiated	>	Standardized approach
Do to learn	>	Learn to do
Application focused	>	Content focused
Develop thinking	>	Looking for the right answer
Integrating curriculum	>	Teaching segmented curriculum
Active learning opportunities	>	Passive consumption

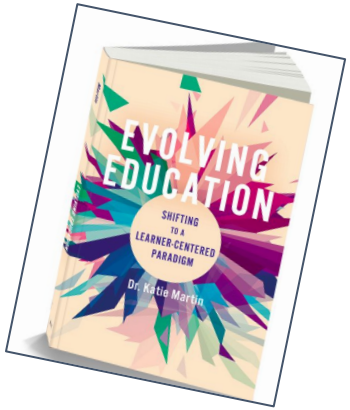
Eric Scheninger, Twitter

Active Learning Spaces

"If we fail to reach the hearts and minds of students, we will continue to move kids through a system an on to college with the focus on getting good grades and jumping through hoops rather than true learning and finding their way in the world.

At the same time, we will see more students (and teachers) disengage in school. When curiosity and exploration are stifled, a child is likely to lose the motivation to study, and his or her work may become less imaginative. *But the world demands citizens who are more creative, imaginative, and innovative than ever before, which means we need to ignite curiosity and passions!"*

-Katie Martin, Learner Centered Innovation



What skills will students need in 2025 and Beyond to be successful?

Top 10 skills of 2025

Type of skill
- Problem-solving
- Self-management
- Working with people
- Technology use and development

Source: Future of Jobs Report 2020, World Economic Forum.

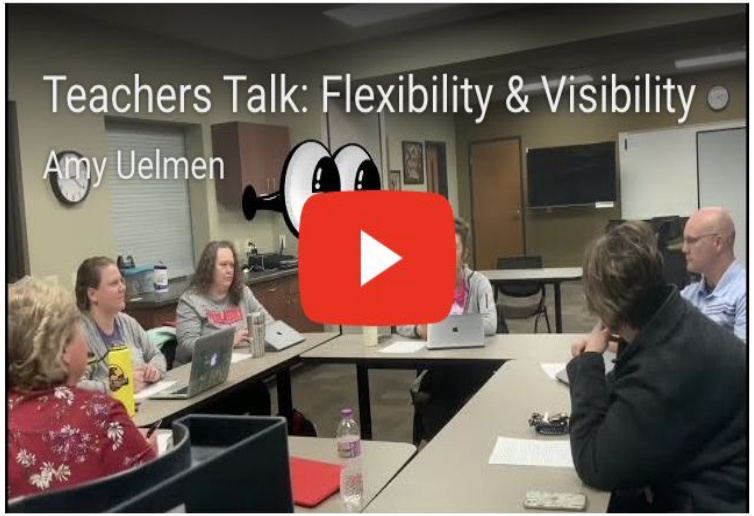
How does your list compare with Top 10 Skills of 2025?

Classroom environment can affect a child's academic progress over a year by as much as 25%!

~University of Salford and Nightingale Associates Study, 2012, UK

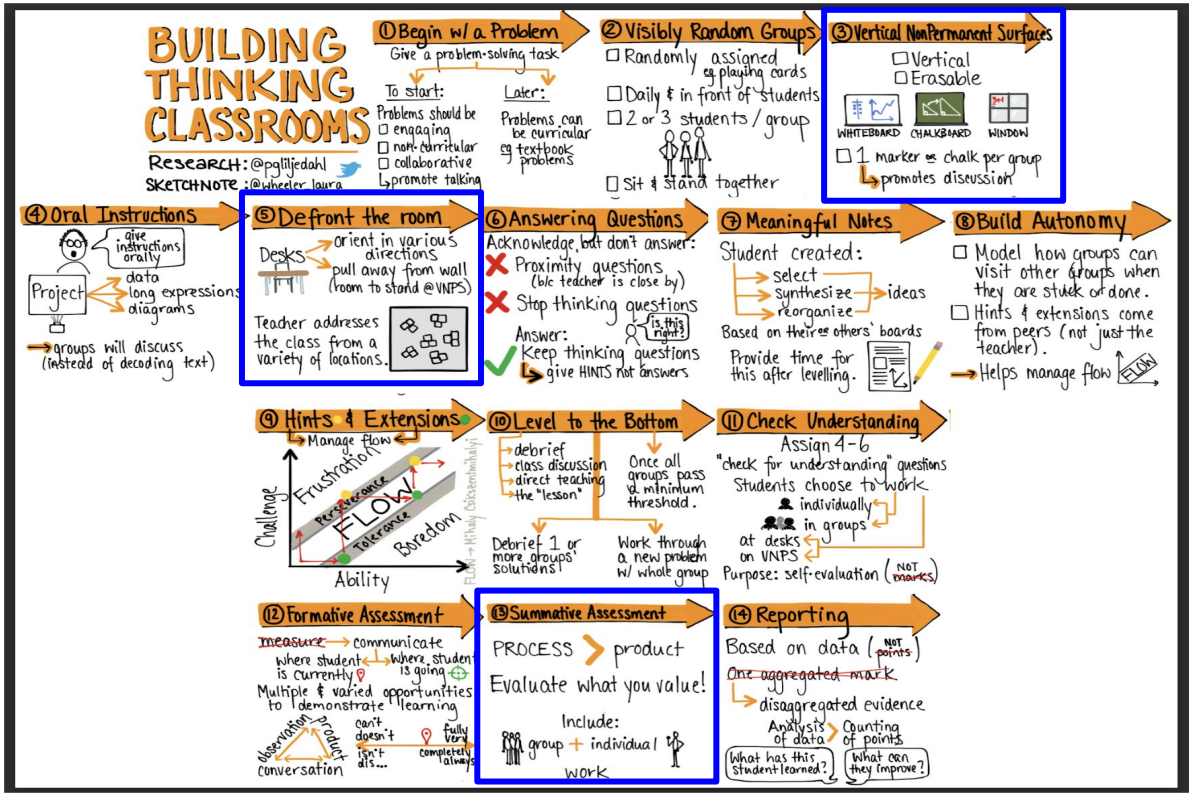
Teachers Talk: Impact of Redesigned Learning

Gr 6-12 Teachers Talk: Flexibility & Visibility (2:10)



Gr 6-12 Teachers Talk: Student Engagement (2:20)

Building Thinking Classrooms

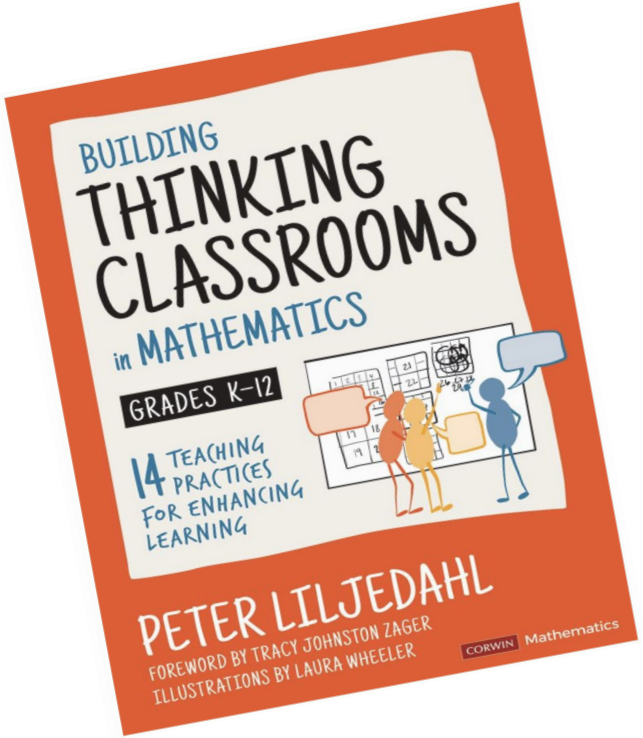


1. What types of tasks we use
2. How we form collaborative groups
3. Where students work
4. How we arrange the furniture
5. How we answer questions
6. When, where, and how tasks are given
7. What Homework looks like
8. How we foster student autonomy
9. How we use hints & extensions
10. How we consolidate a lesson
11. How students take notes
12. How we choose to evaluate
13. How we use formative assessment
14. How we grade

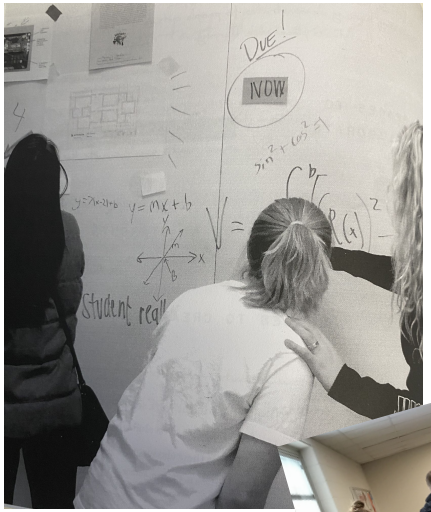
Building Thinking Classrooms

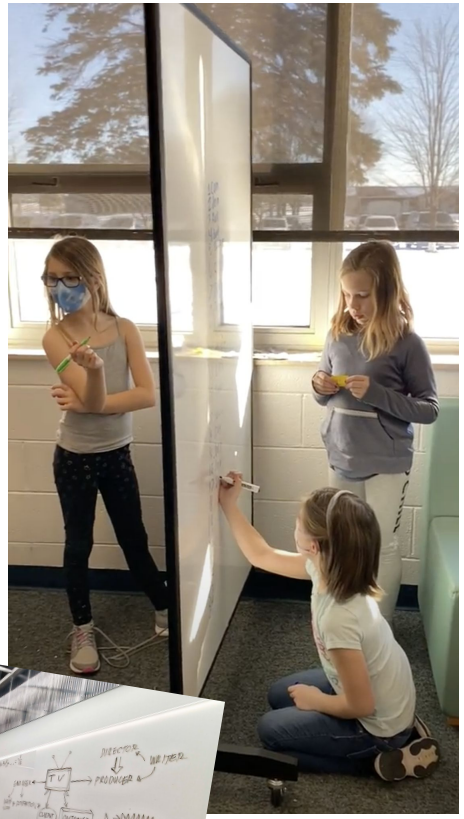
WORK SURFACE	vertical whiteboard	horizontal whiteboard	vertical paper	horizontal paper	notebook
NUMBER OF GROUPS	10	10	9	9	8
1. time to task (seconds)	12.8	13.2	12.1	14.1	13.0
2. time to first notation (seconds)	20.3	23.5	144.3	126.8	18.2
3. time on task (minutes)	7.1	4.6	3.0	3.1	3.4
4. eagerness to start	3.0	2.3	1.2	1.0	0.9
5. amount of discussion	2.8	2.2	1.5	1.1	0.6
6. amount of participating	2.8	2.1	1.8	1.6	0.9
7. amount of persistence	2.6	2.6	1.8	1.9	1.9
8. amount of knowledge mobility	2.5	1.2	2.0	1.3	1.2
9. non-linearity of work	2.7	2.9	1.0	1.1	0.8

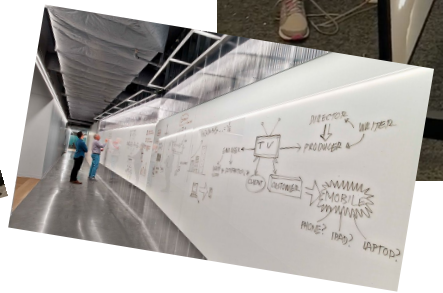
Figure 3.2 Average times and scores on the nine measures. Page 60



Vertical Learning

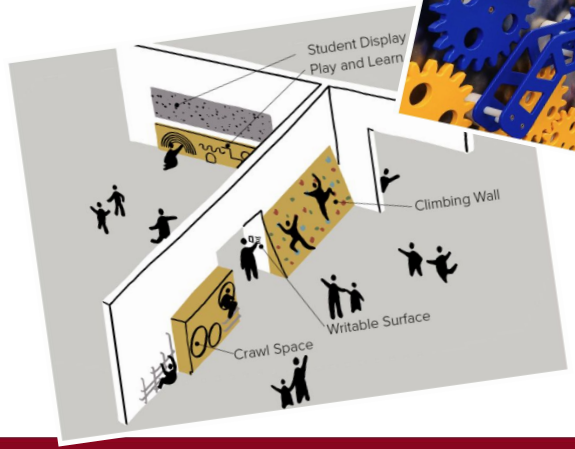






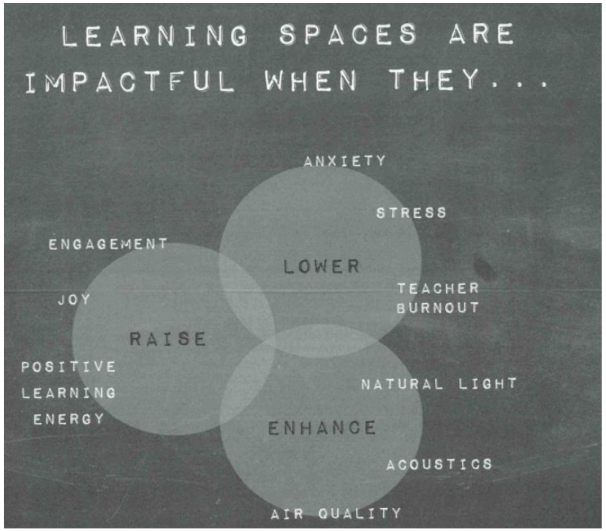
Vertical Learning Resources

- *Learning Walls vs Teaching Walls*
- *Activate Your Hallways*
- *Vertical Learning with Classroom Walls (K-5)*
- *Vertical Whiteboarding (6-12)*
- *Vertical Learning: Learning on Your Feet;*
- *Homestead High School (Mequon Thiensville School District (6-12)*



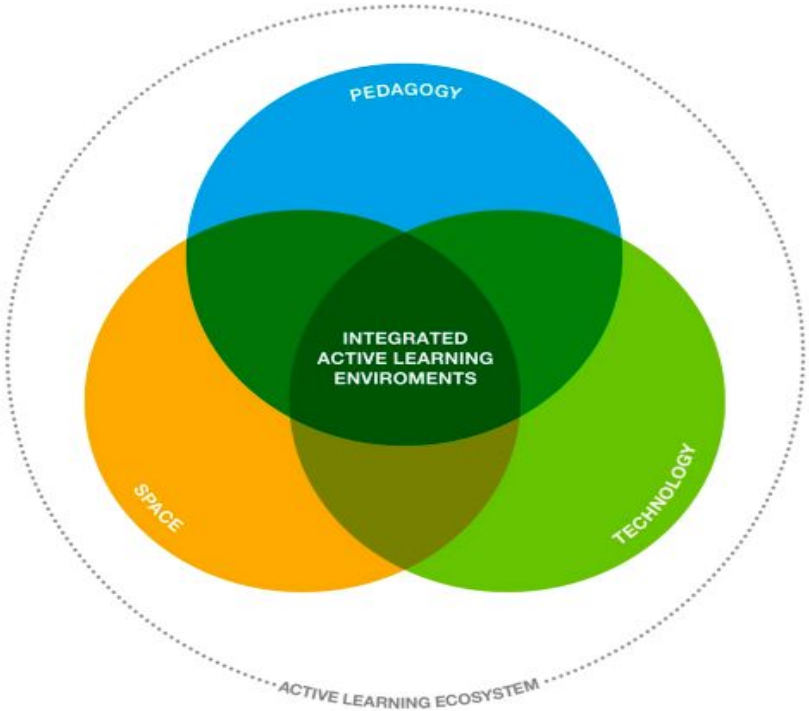
Space alone doesn't bring success ––– *It is the actions inside those spaces that bring true progress.*

~Dillon & Hare, *The Space: A Guide for Leaders*



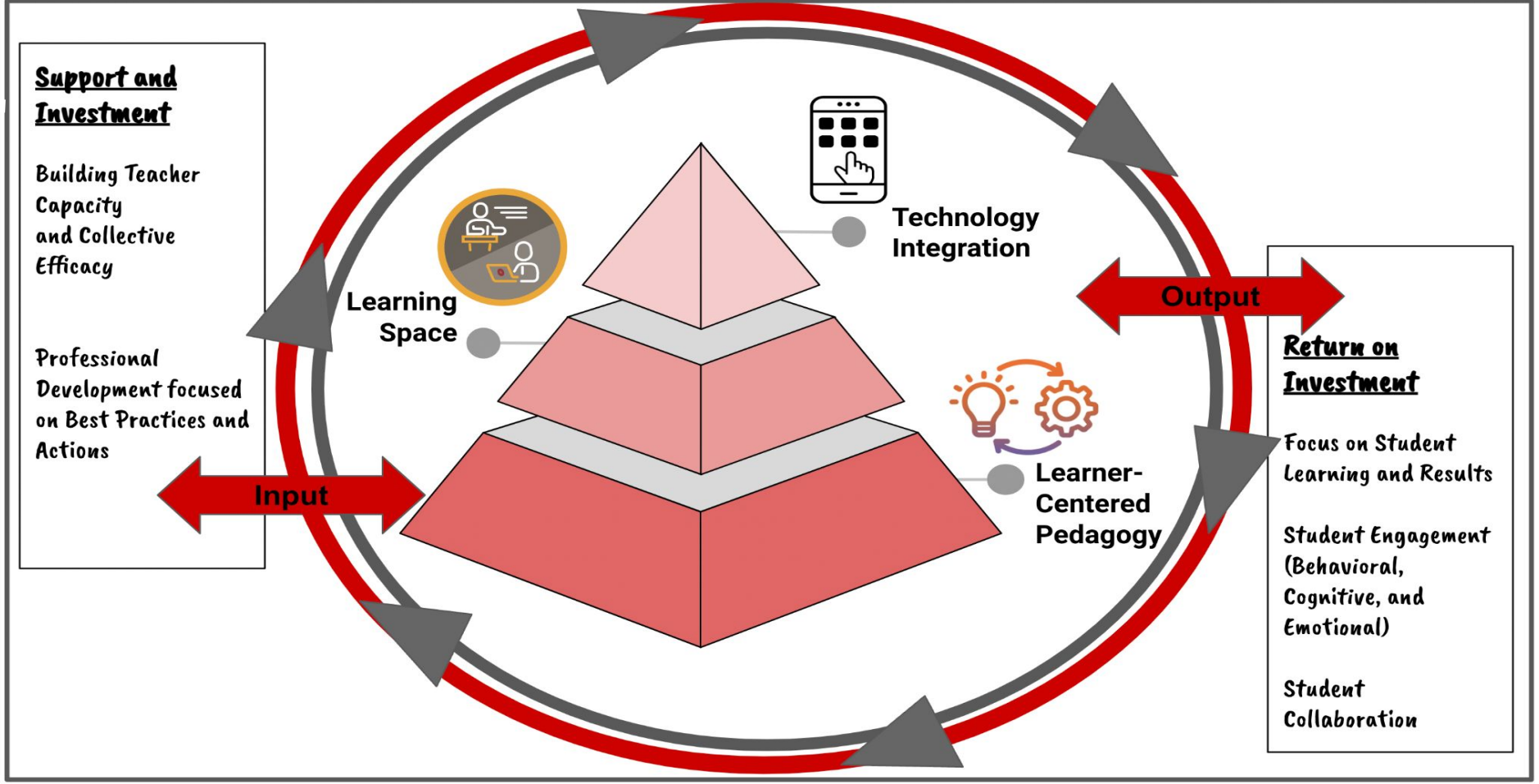
When we focus on the learning space as a verb as something "we do" rather than it being a noun and something "we have", it has a significant paradigm shift towards learner-centered innovation.

Active Learning Ecosystem



© Steelcase 2013

"No learning space is more in need of fresh design thinking than the classroom. Given its pivotal role, the architects, designers and educators are reconsidering a new classroom paradigm where technology and the physical space are integrated to support pedagogy and create a more active and engaging experience for instructors and students."


Support and Investment
Building Teacher Capacity and Collective Efficacy
Professional Development focused on Best Practices and Actions
Input
Learning Space
Technology Integration
Learner-Centered Pedagogy
Output
Return on Investment
Focus on Student Learning and Results
Student Engagement (Behavioral, Cognitive, and Emotional)
Student Collaboration

What is Learner-Centered Pedagogy?

- Practices, actions and strategies in instruction
- Creates engaging environment for students
- Dialogue, collaboration, reflection and “learning by doing”
- Empowering students to solve Real world problems

Patel-Junakar, 2017)

“Practice precedes behavior. Behavior precedes belief and attitudes – that is, most people must engage in practice and behavior before they accept that it is beneficial; then they see the results, and then they believe that it is the right thing to do…implementation precedes buy-in; it does not follow it”

~D. Reeves, CESA 7 Presentation, 2021

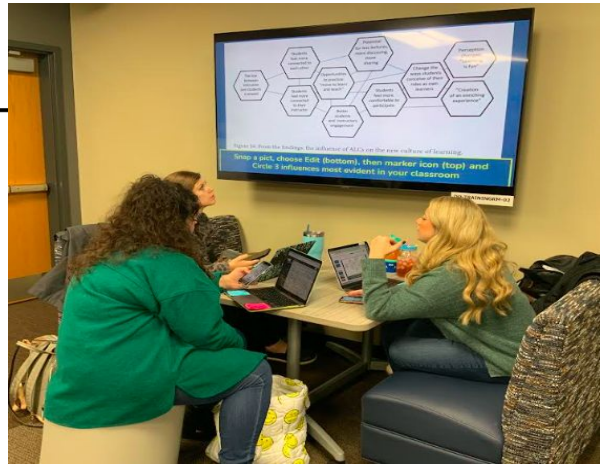
Professional Learning

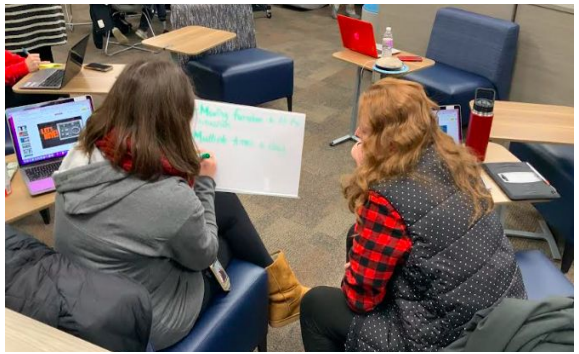
- If teachers aren't provide with adequate training and support, they may revert to old pedagogies and teaching methods rather than explore innovative approaches (Thomas, 2010).

- Educators provided with PD and ongoing support around flexible learning spaces allow for substantial change, increased effect, and sustainability for long-term effects on student learning to occur (Karippanon et al., 2020)

District Office Training Room/ Board Room

Collaboration- pods of 4


Snap a pict, choose Edit (bottom), then marker icon (top) and
Circle 3 influences most evident in your classroom



ICE BREAKER

Professional Learning

- Networking with colleagues
- Classroom visits and peer observations
- Workshops
  - Classroom management
  - Choice Boards
  - Process over Product
  - Student agency
  - Formative assessment & feedback
  - Vertical Learning
  - Teacher footprint
  - Room Configurations
- Tech tools and apps integrated into instruction
- Multiple monitors
- Visits to Steelcase and EdSpace School Sites

Professional Learning for Staff: Essential Elements

It's About the Verbs

*focus on the verbs

*moving seating and workspaces around to support verbs

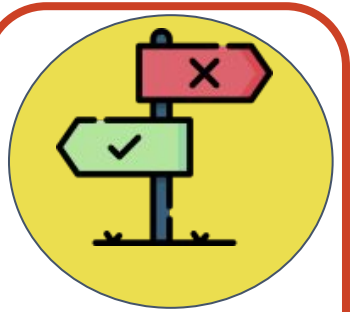
Listen to the Noise

*color

*clutter

*wall space

*items not needed/used



Where's the Choice

*student choice

*getting student feedback

It's OUR Classroom

*everyone's classroom

*Ownership

*maximized student footprint

*showcase learning

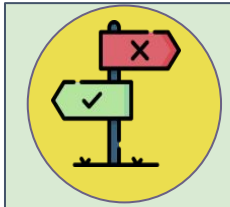
Technology Supports Learning

display various resources

*students display work

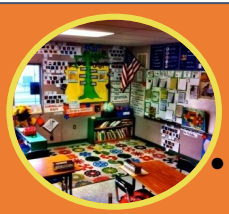
*students use in groups for collaboration

Choice Board



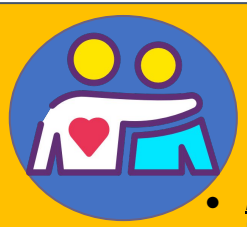
It's Our Classroom AND Where's the Choice: Questioning Environment and Creating Feedback Loops

- *Read:* Starting Student Feedback Loops
- *Listen:* 12 Ways to Upgrade Your Classroom Design (Podcast or Read Transcript)
- *Think About Application in Your Classroom*



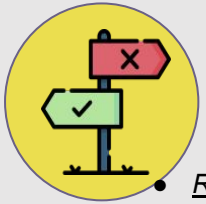
Listen to the Noise: *The Walls*

- *Read:* Classrooms Don't Need "Pinterest-y Looking Walls"
- *Listen:* *Ep29: Learning Spaces with Dr. Robert Dillon* (14-16:35 min)
- *Think About Application in Your Classroom*



It's OUR Classroom: Process over Product

- *Read:* Why It Matters: Process over Product
- *Listen:* *Ep29: Learning Spaces with Dr. Robert Dillon* (24-28 min)
- *Think About Application in Your Classroom*



Where's the Choice: Choice and Developing Learner Agency

- *Read:* Blog Post: Developing Learner Agency (Martin) OR Student Agency-What Do Students Want To Create to Demonstrate Their Learning?(Tucker)
- *Listen:* Evolving Education: Featuring Dr. Katie Martin (6:25)
- *Think About Application in Your Classroom*

Technology Supports Learning: *Vertical Learning*

- *Read:* Vertical Learning with Classroom Walls (K-5) OR Vertical Whiteboarding (6-12)
- *Watch:* Vertical Learning: Learning on Your Feet: Homestead High School (Mequon Thiensville School District (6-12)
- *Think About Application in Your Classroom*

Professional Learning

- Model Classroom Teachers- Quarterly Meetings focused on:
  - Learner-Centered Pedagogical Practices
  - Promoting classrooms (conversations, meetings, AppleCore classes, networking)
  - Feedback/ Data Collection: Focus groups/interviews, student surveys, and observations
  - Technology training to support instruction
  - Ongoing Communication with other Active Learning Classroom Teachers

- PCSD Staff
  - Administrators and LMS/DLS model the rooms during meetings, professional development, etc.
  - LMS/ DLS focus on training teachers
  - Apple Core classes available for teachers to go through the professional development and apply to their existing classrooms

District Furniture Catalog

CONFIDENTIAL

seating
ACTIVE STOOLS

STEELCASE BUOY

Model #TSBUOY
Active seating stool, wobble base, upholstered cap, height adjustable

246.75

FREE FREIGHT VENDOR!

Body Finishes:
- ARCTIC WHITE
- BLACK
- PICASSO
- WASABI
- ELEMENT
- CHILI
- SNOW
- CARBON FLAT
- ORE

FINISHES

5880 Seal
Vinyl Seat Cap

6337 Element
Shell

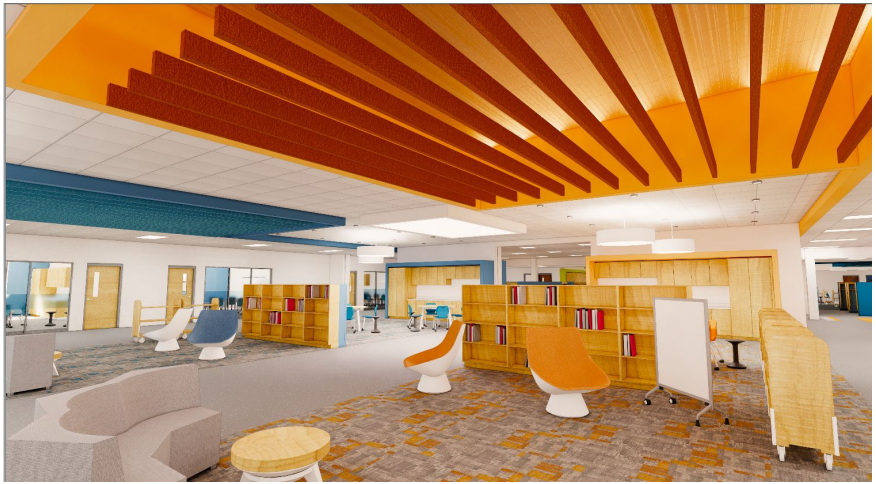
TABLE / CHAIR HEIGHTS

Seated (standard) Height | Counter Height | Café Height

FOR PULASKI COMMUNITY SCHOOL DISTRICT USE ONLY

Pulaski Community School District

Pulaski Community School District



PULASKI COMMUNITY SCHOOL DISTRICT

Questions?

Session Evaluation

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