

Sunday Session: *Emerging Trends in Education*



October 8, 2017

Today's Objectives

- Connect the future of work to the emerging trends of educational practices
- Highlight bright spots and leading practices we see across the US
- Figure out your WHY & identify ways you and your district can do this now

Who are we?

Introductions



David Irwin
Managing Partner



Simma Reingold
Partner

Our Mission

We work with districts to build and support dynamic school systems that meet the needs of every learner, today and tomorrow.

Our Scope



34
states + DC



125+
districts



600+
schools



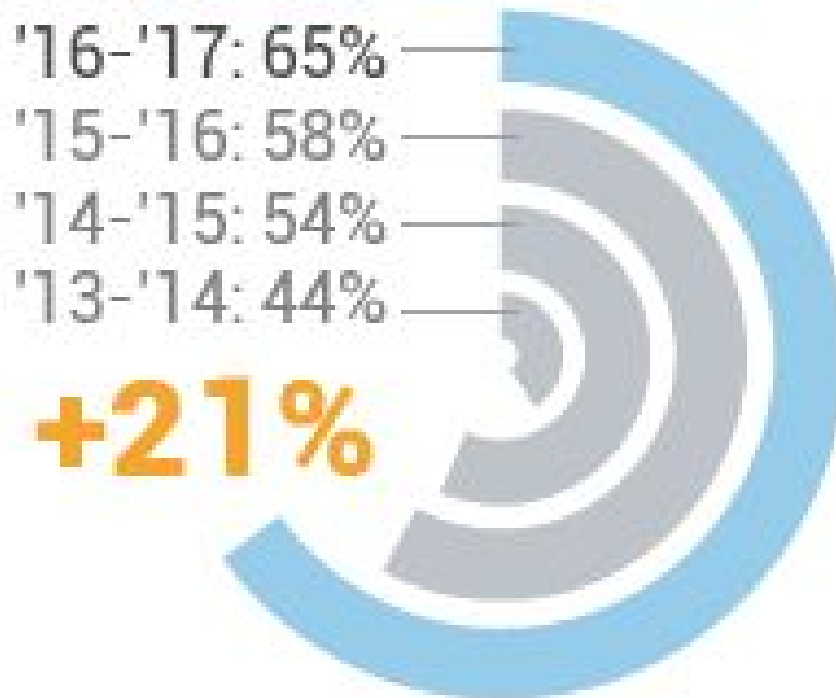
34,000
teachers



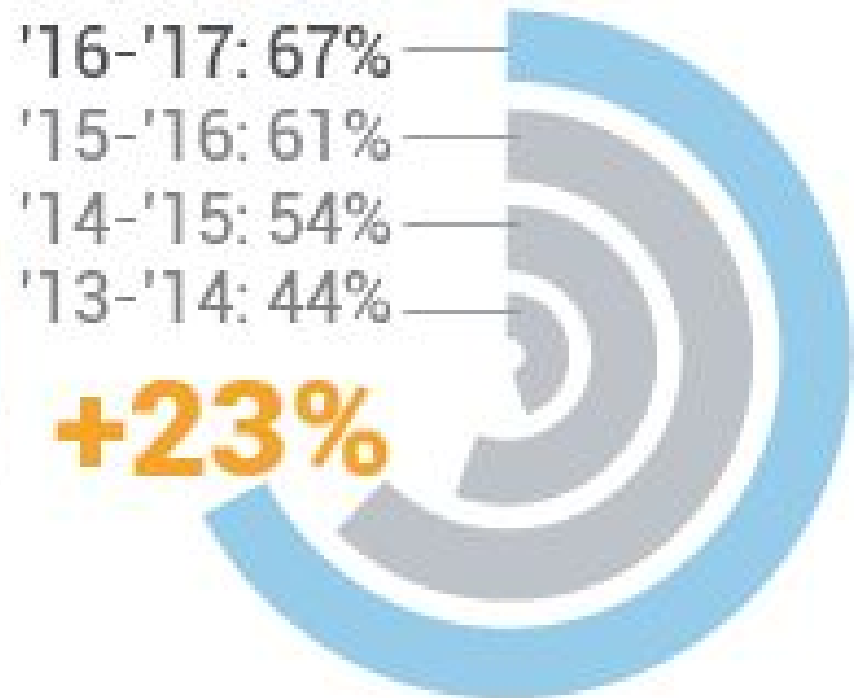
545,000
students

Students Meeting Growth Targets Increased Over the Course of Our Work

READING



MATH



NOTE: An example from the Enlarged City School District of Middletown, NY, one of our partner school districts. Numbers based on K-8 student growth on NWEA MAP compared to national growth norms.

Let's have fun!

Design Challenge!

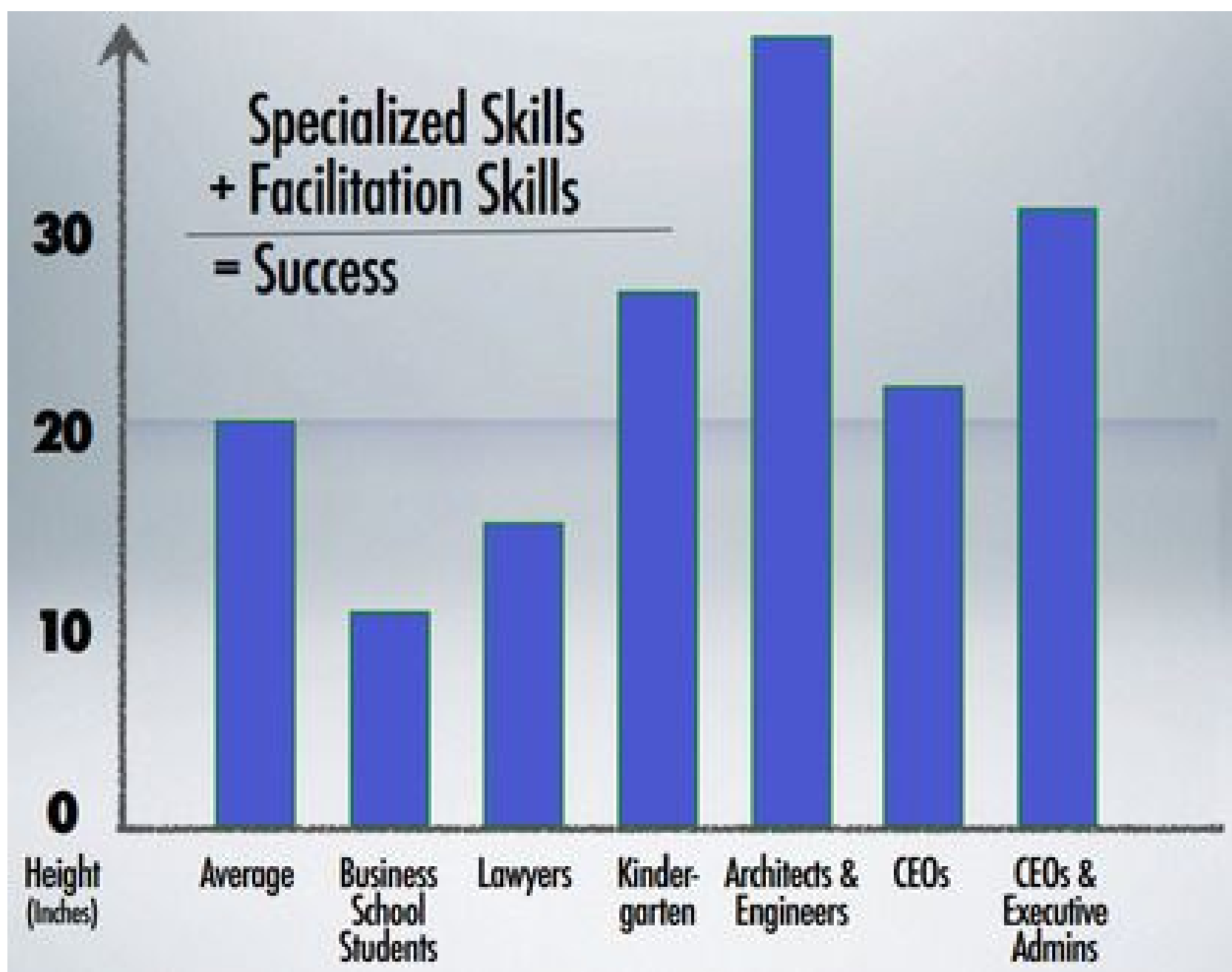
Build the Tallest Freestanding Structure

- Measured from the table top to the top of the marshmallow. That means the structure cannot be suspended from a higher structure, like a chair, ceiling or chandelier.
- The entire marshmallow needs to be on the top of the structure - no eating parts of it!!
- Use as much or as little of the kit - and you are free to break the spaghetti, cut up the tape and string to create new structures.



4:46







Business Students



Kindergarten Students



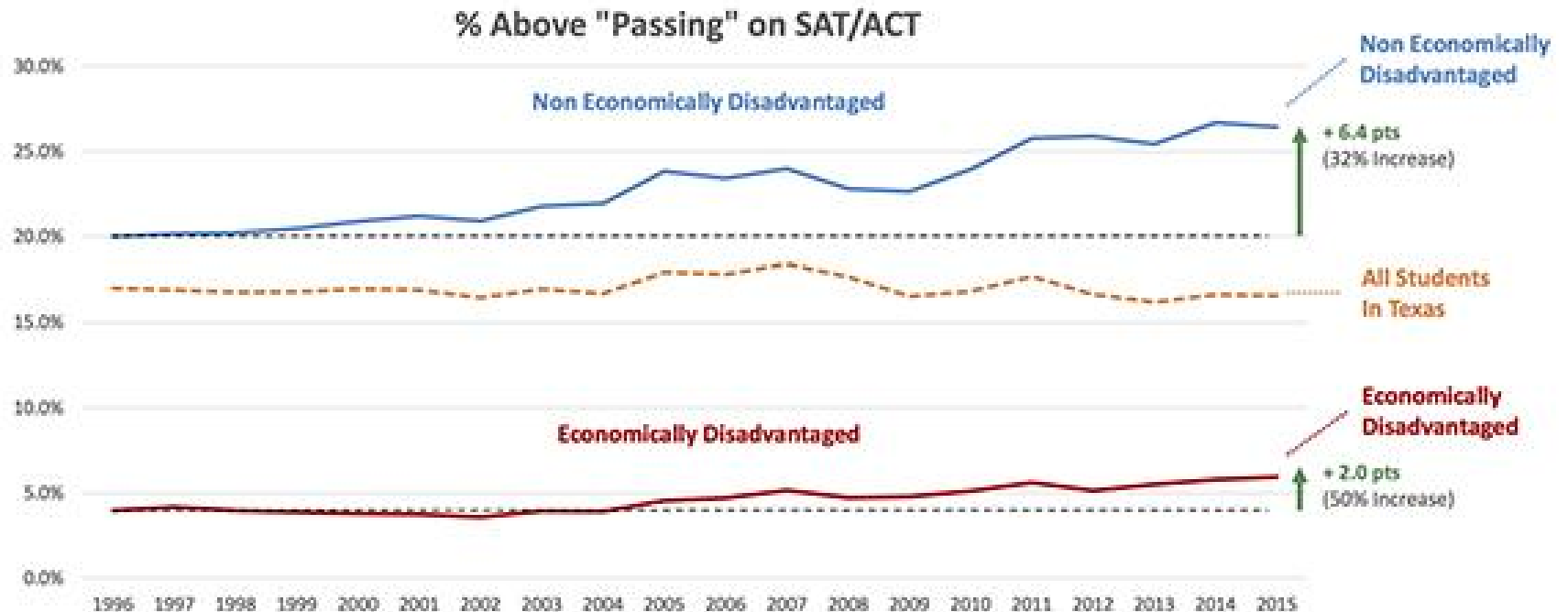
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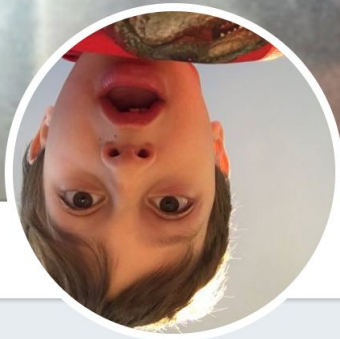
18
Minutes

Courtesy of Tom Wujek's TedTalk "Build a tower, build a team"

1996-2015: SAT/ACT Performance By Socioeconomic Status



@charleyhirwin

[Tweet](#)

Tweets
317

Following
131

Followers
55

Following

Charley

@charleyhirwin Follows you

I want to be a YouTube star, I love the Jets and I ski very fast

[United States](#)

Joined March 2017

Born on September 21

Tweets

Tweets & replies

Media



Charley @charleyhirwin · Oct 1
We lost my football game 19 to 0



1



Charley @charleyhirwin · Oct 1
We went apple picking and my brother got stung by a bee



1



Emerging Trend

Personalized Learning

What is Personalized Learning?

“Personalized learning is tailoring learning for each student’s strengths, needs and interests-- including enabling student voice and choice in what, how, when, and where they learn-- to provide flexibility and supports to ensure mastery at the highest standards possible.”

Mean What You Say: Integrating Personalized, Blended and Competency Education Patrick, Kennedy, Powell, iNACOL 2013

What is Personalization?

“Personalization is the practice of dynamically tailoring any service or product to the wants and needs of each user.”

Personalized Learning Playbook
Anthony Kim, 2015

THE CORE FOUR ELEMENTS OF PERSONALIZED LEARNING



Integrated Digital Content

Digital content allows for a differentiated path and pace



Targeted Instruction

Instruction aligns to specific student needs and learning goals



Student Reflection and Ownership

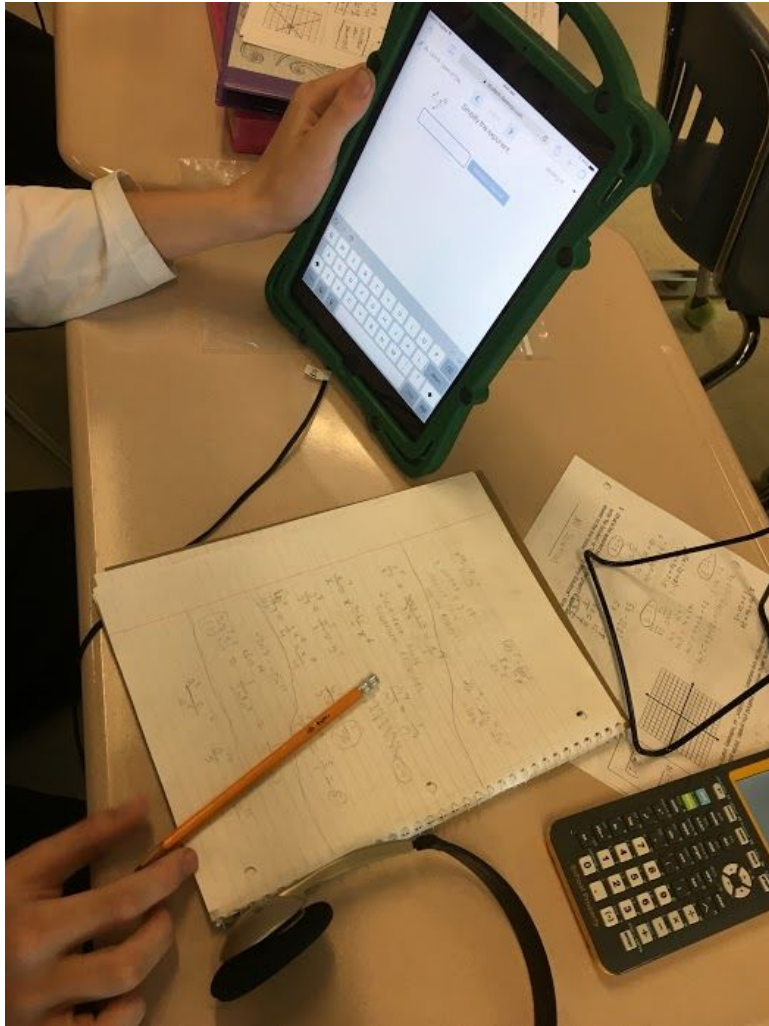
Ongoing student reflection promotes ownership of learning



Data Driven Decisions

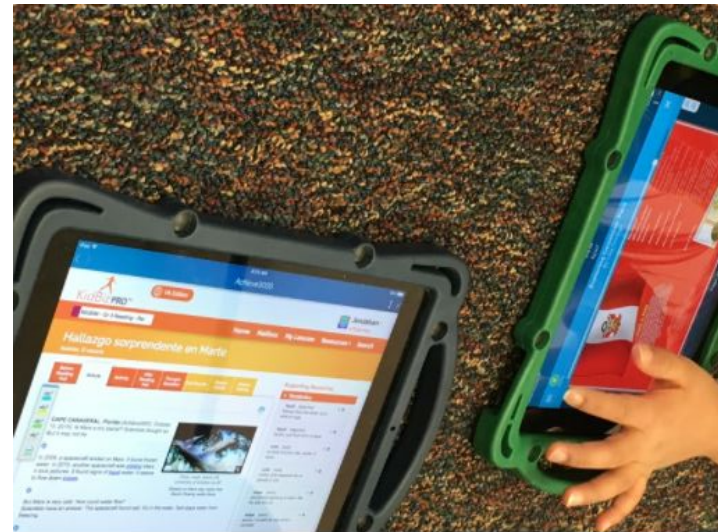
Frequent data collection informs instructional decisions and groupings

Integrated Digital Content

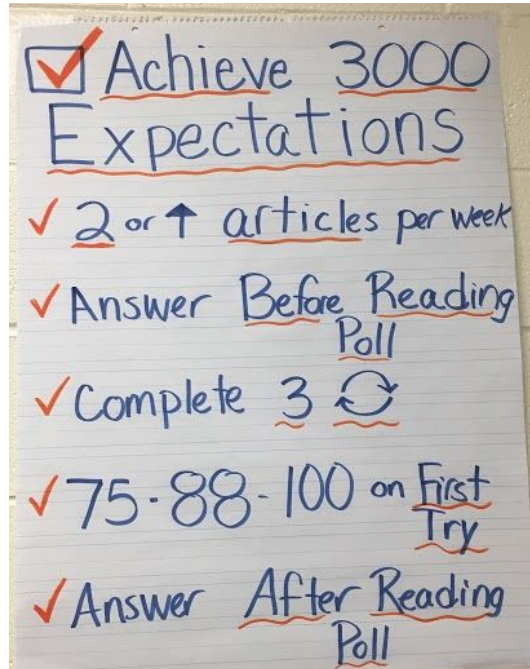


Not just digital

Not all the same



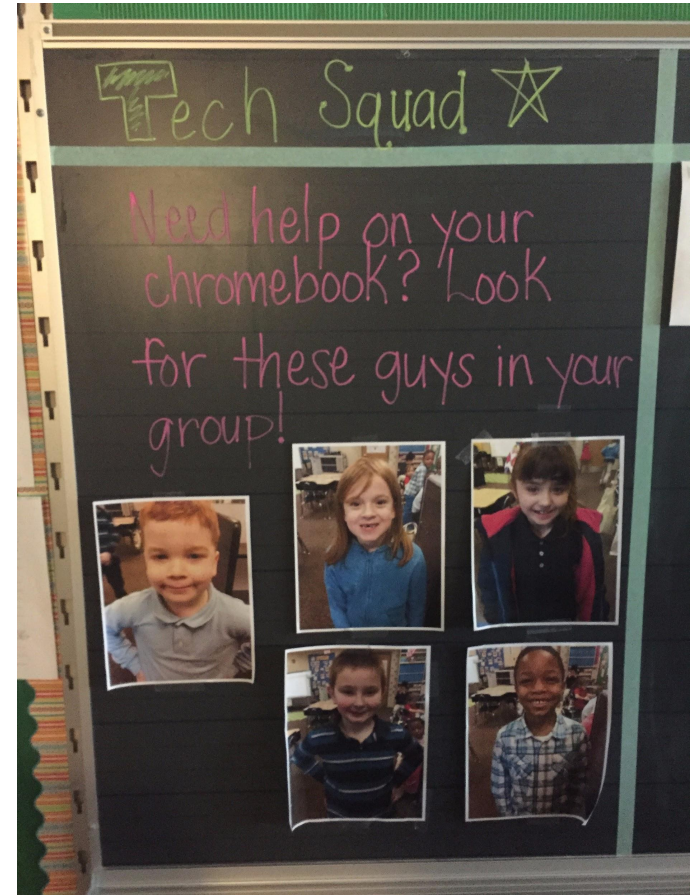
Integrated Digital Content



**Clear
Expectations**

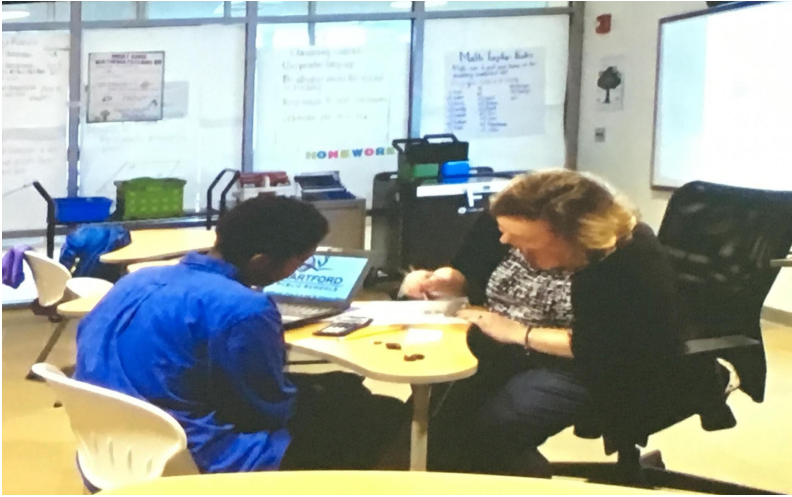
**Personal
Goals**

Today I worked on:	This task supports my objective to be able to:	Work ethic 3- Excellent 2- Okay 1- Poor	Growth 3- Excellent 2- Okay 1- Poor	Using Time 3- Excellent 2- Okay 1- Poor	Tomorrow I need to:
Khan Academy and Xtra Math	Learn how to do long division with remainders	3	3	3	Khan Academy Xtra Math
Xtra Math and Khan Academy	Learning how to do long division with and with out remainders.	3	3	3	Khan Academy and boosting my division.



Troubleshooting

Targeted Instruction

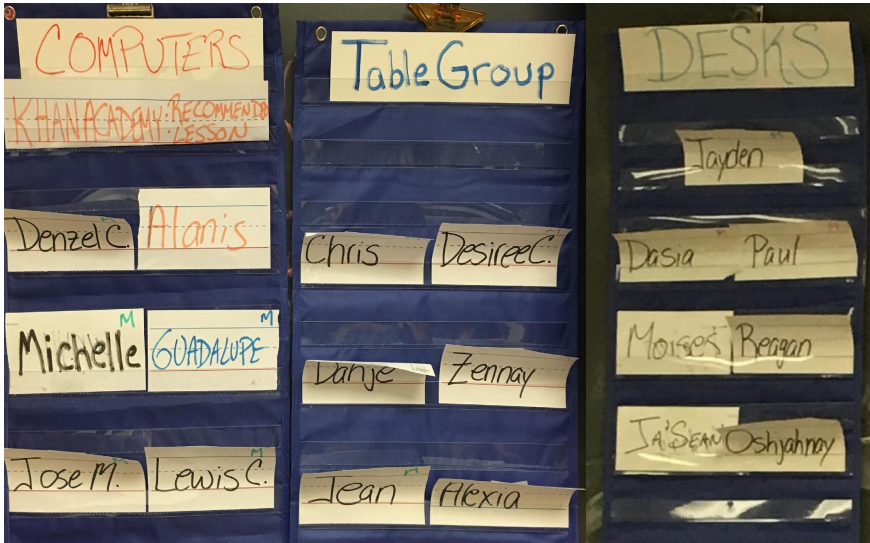


1-to-1 Conferencing



Focus & Space for Small Groups

Targeted Instruction



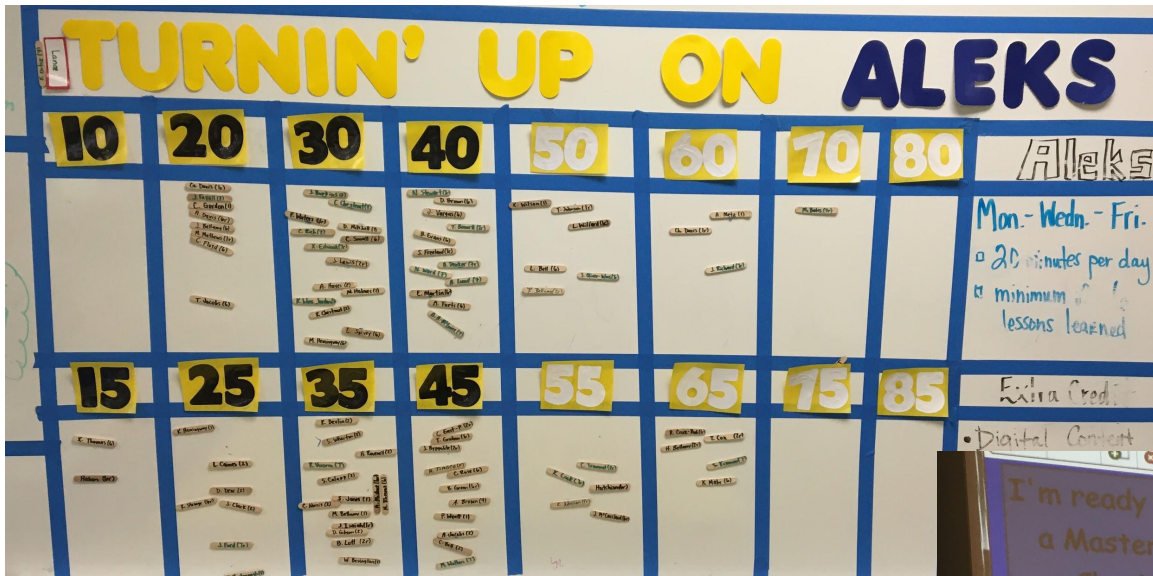
**Create & Change
Groups Frequently**



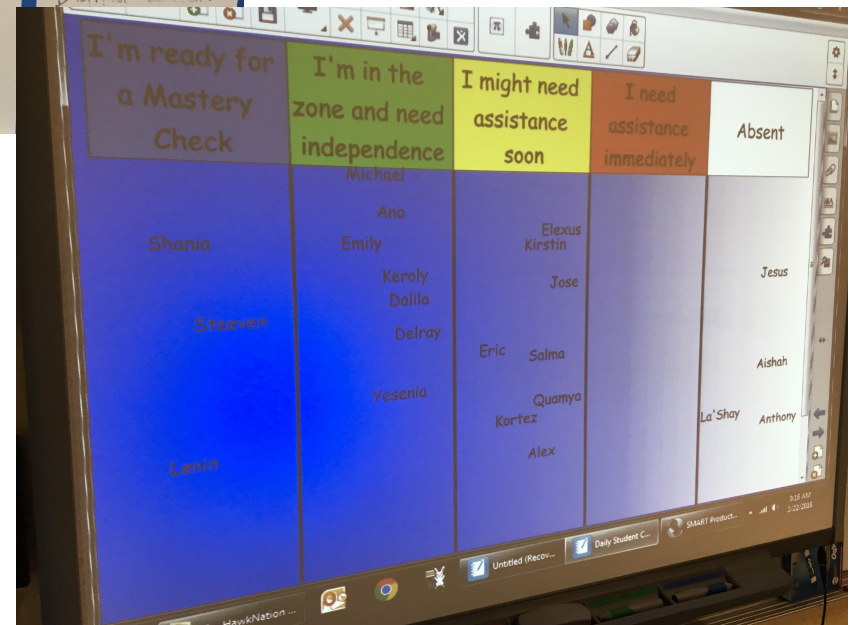
**Vary Instruction
Based on Group
Need**

Data-Driven Decisions

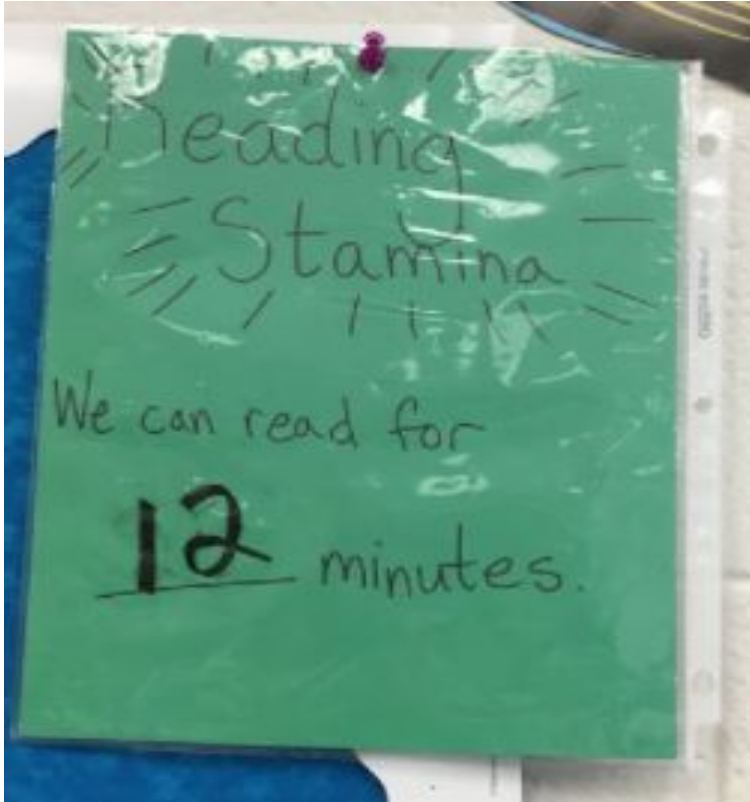
Data Walls



Using Data to Create Groups

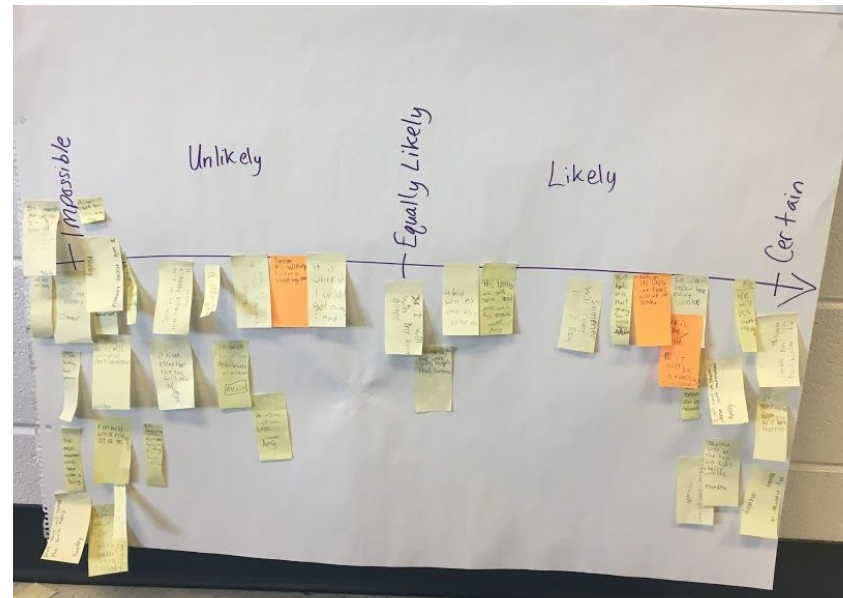


Data-Driven Decisions



Data & Goals

Low Tech



Student Reflection + Ownership

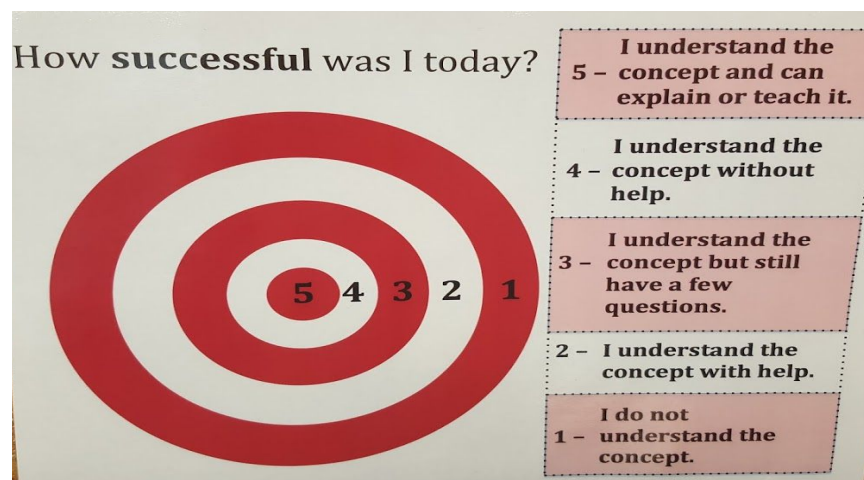
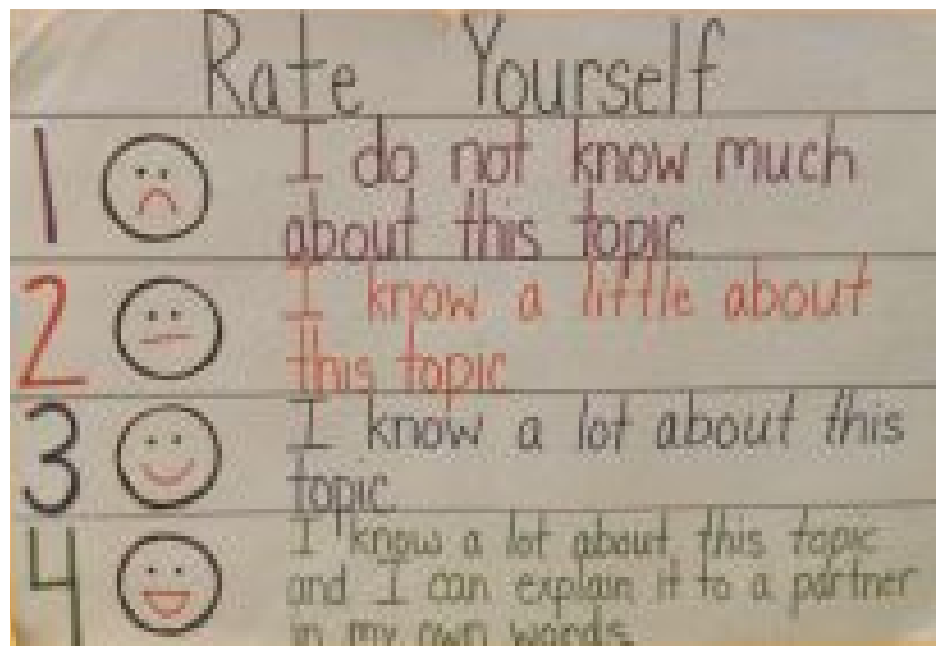
Guided Center	Achieve 3000	Comprehension Center	Writing Center
Where? Front of the classroom Voice Level: 1 What do I need? Pencil and highlighter What will I do? Practice reading a persuasive script with fluency and expression.	Where? Tech rows or where a teacher can see my screen! Voice Level: 0 What do I need? iPad or chromebook What will I do? Complete & log one lesson	Where? Reading Table Voice Level: 1 What do I need? Pencil What will I do? Work with Miss Benzie to analyze books and identify author's purpose.	Where? Partner/Group desks Voice Level: 1 What do I need? Chromebook, Google Classroom, iPad What will I do? Use elements of
Gabrielle Natalia Alex Chris Daniel	Amari Sammy Cameron Kira Graham	Dhruv Scarlett Gisele Camille Brande Isabel	

Find and drag your name to the center where you would like to work for this rotation. (max of 6 at a center)

Students drag & drop names

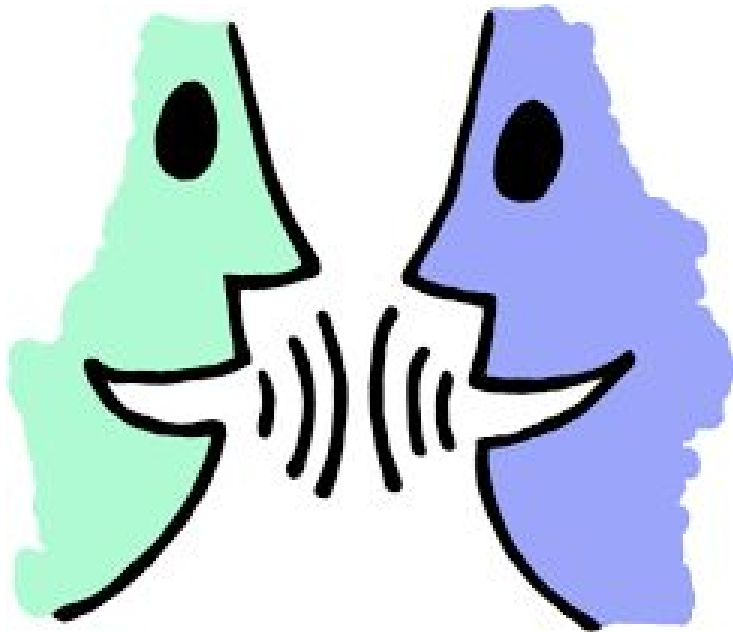
Student Choice

Student Reflection + Ownership



Reflection

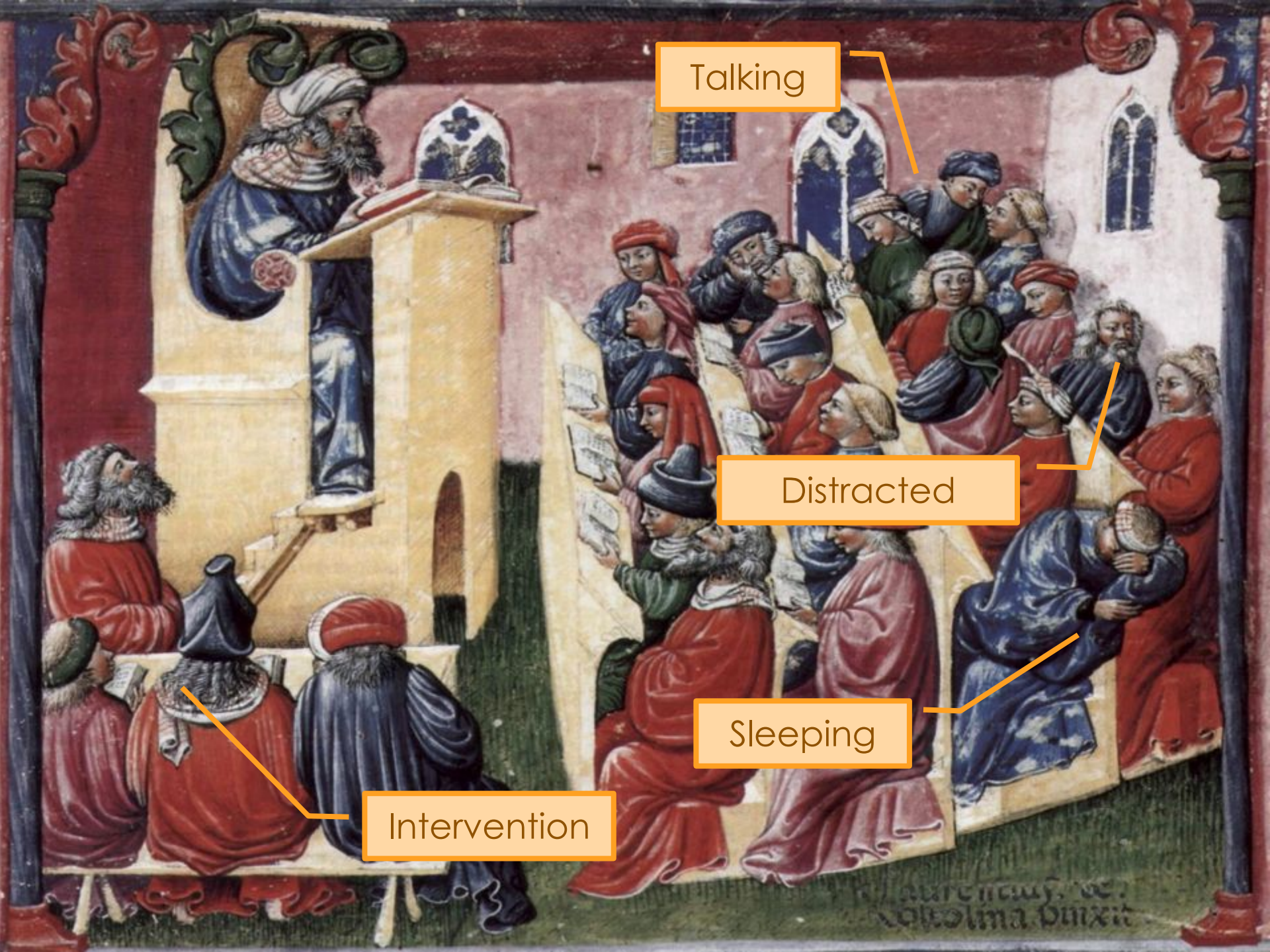
Turn & Talk



- Which Core 4 elements do you see in your classrooms & across your district?

Emerging Trend

School Environments



Talking

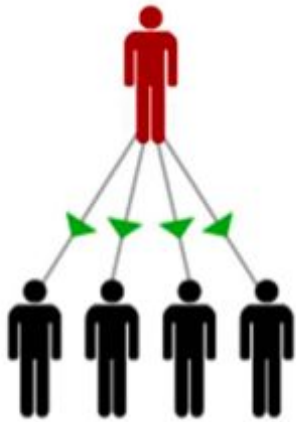
Distracted

Sleeping

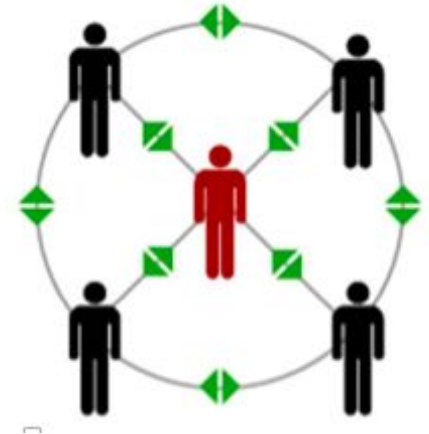
Intervention

Shift to student-centered classrooms

Teacher-Centered



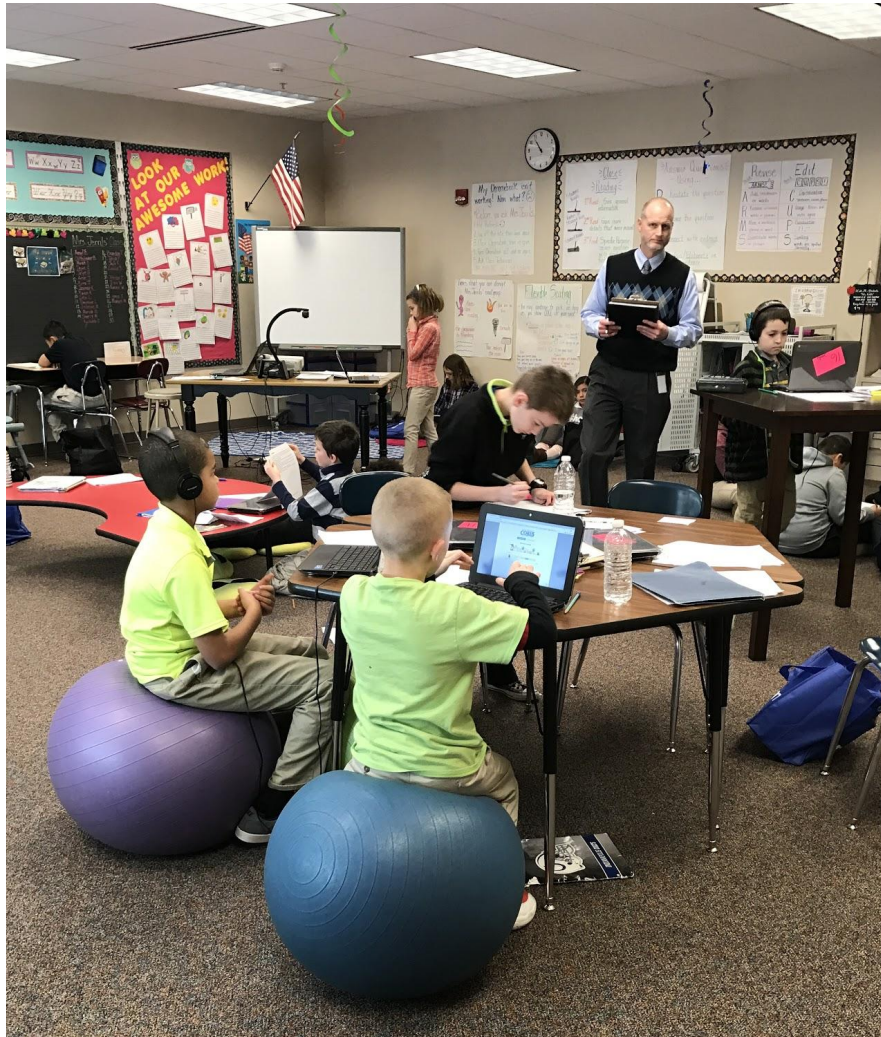
Student-Centered



Where are our classrooms today?



Classrooms



School Buildings



INCLUSIVITY

Expectations of inclusivity
boundary between the
nuanced, especially when

STEWARDSHIP

The places in between of
intrinsic to the everyday
givens, but these places

DIVERSITY

The desire for urbanity
activities. The embrace
give rise to hybrid settings

FLOW

Part of people's desire to
them. It means that experiential
perception. It will enable

Workplace



Collaboration

Agility

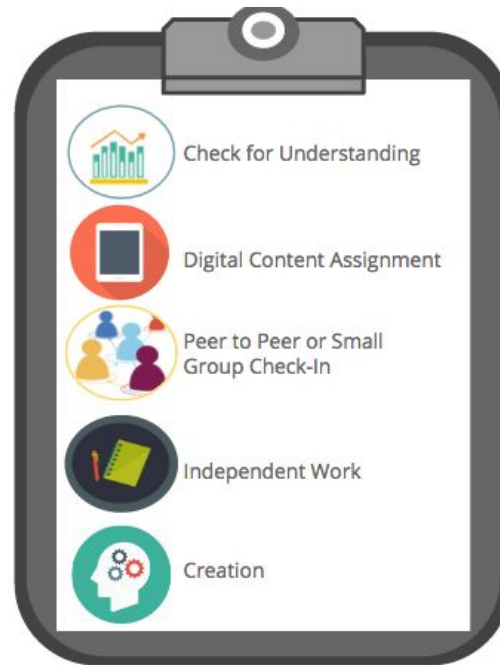
Preference

Instructional Models

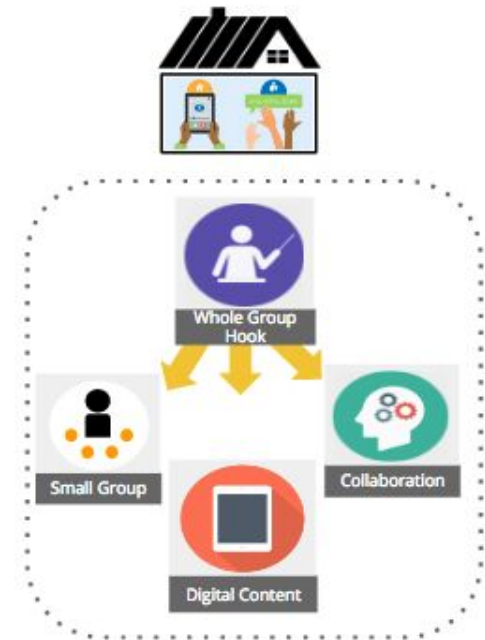
Station Rotation



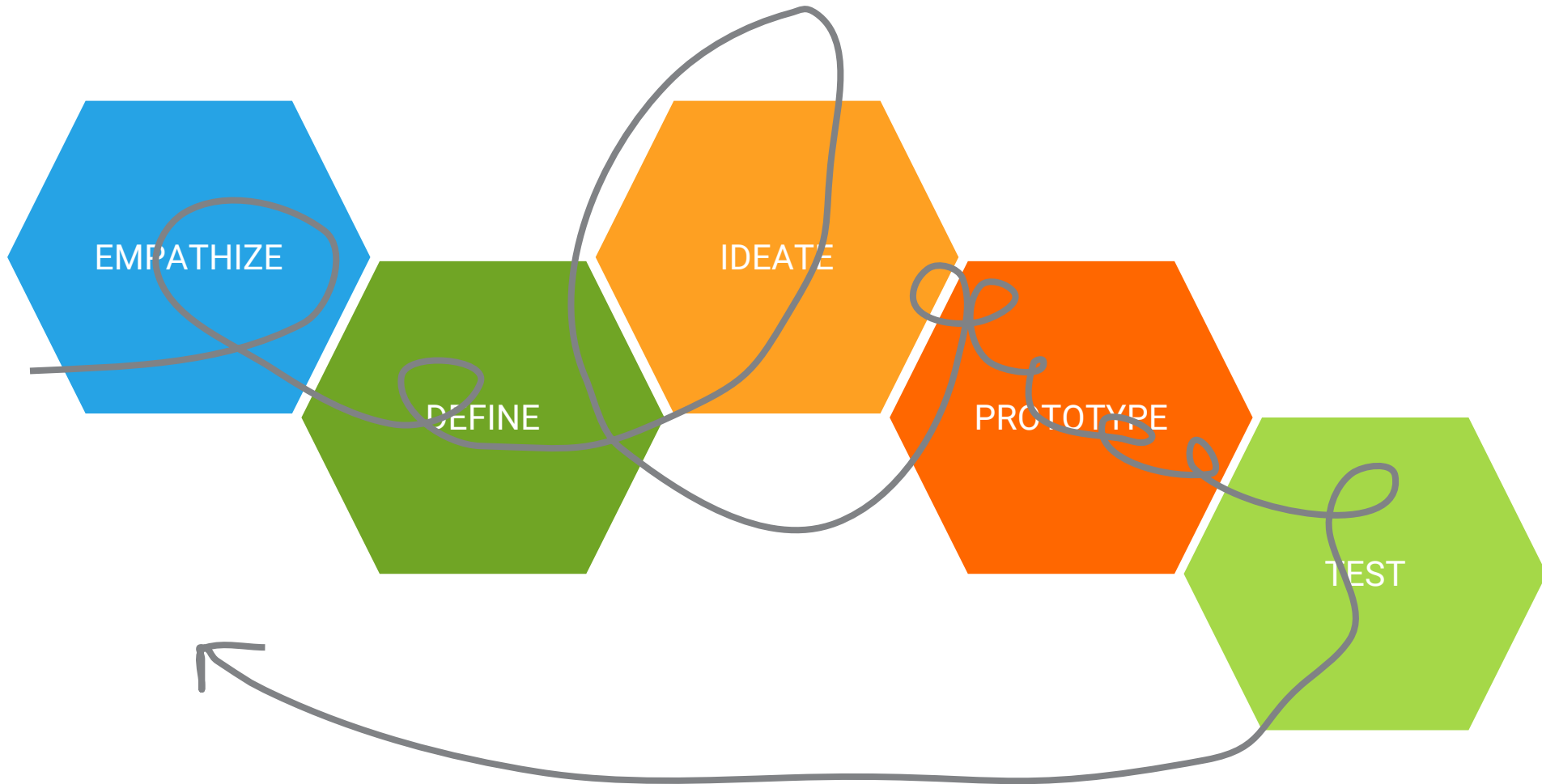
Playlist



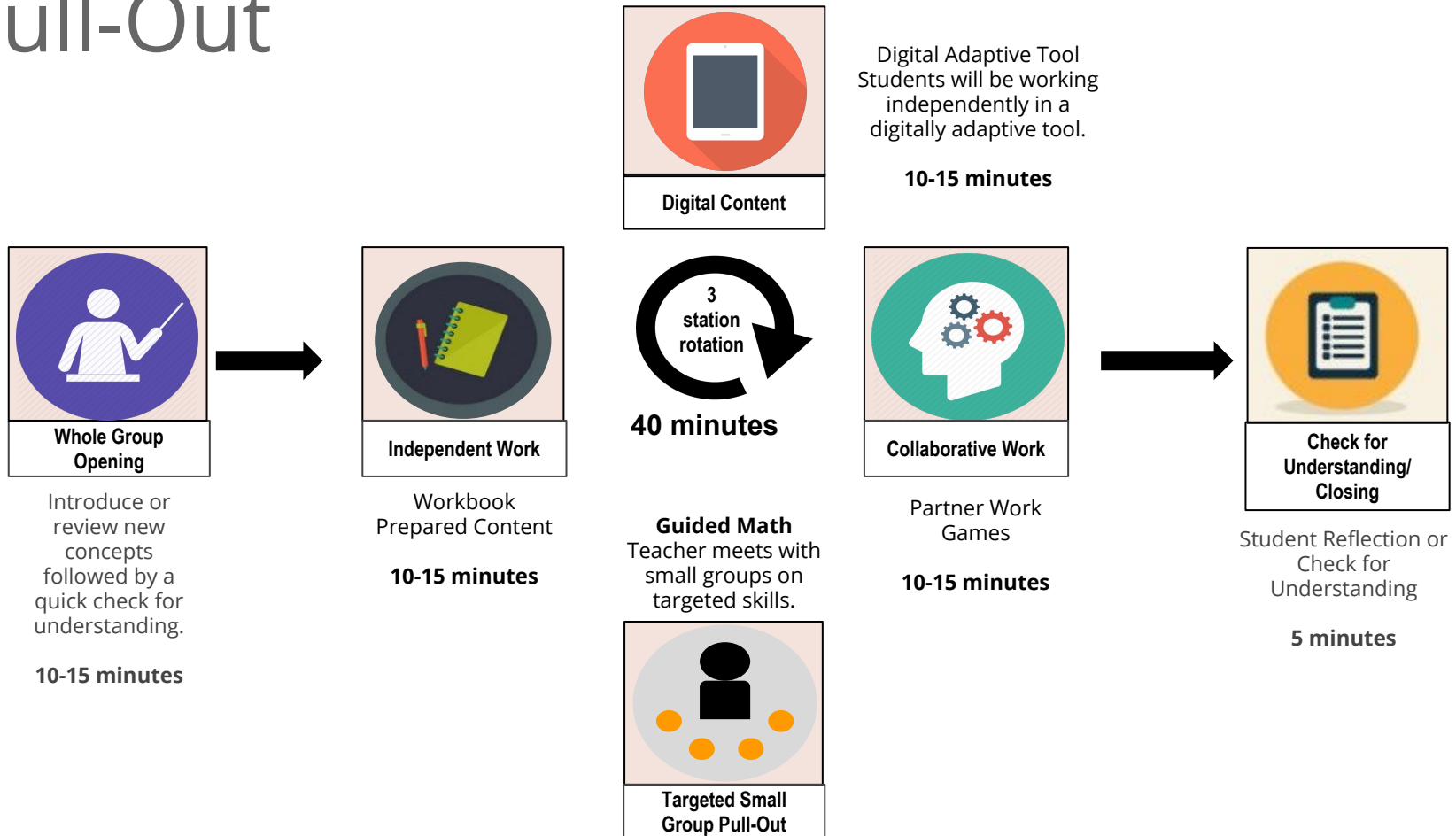
Flipped



Human-Centered Design Thinking

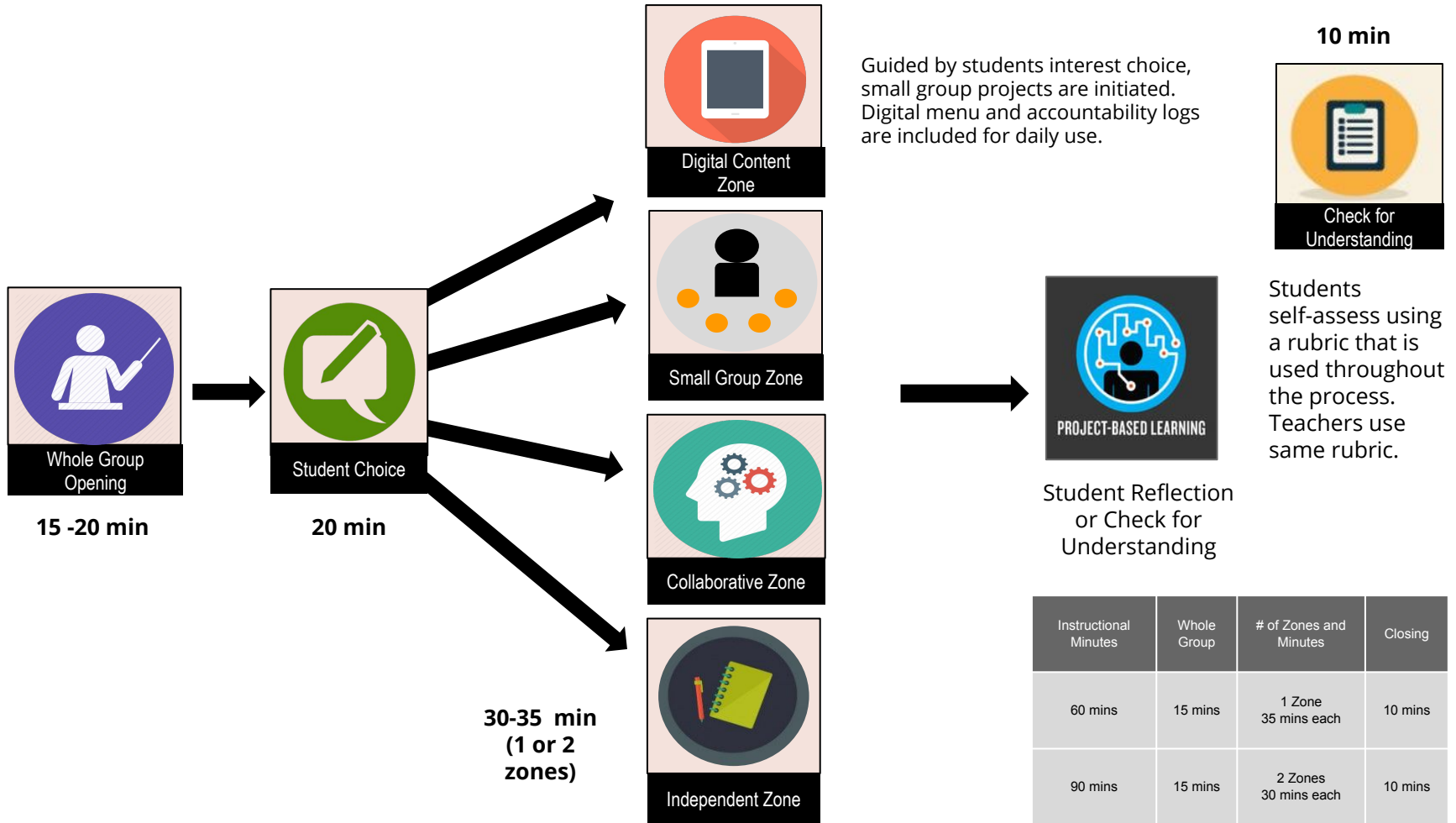


Sample: Station Rotation with Targeted Pull-Out



Model Summary: Class begins with whole group math instruction, math talk (discourse), and vocabulary. Students will then transition into stations, grouped by math levels and identified skill gaps. Students transition between guided math with teacher, adaptive digital content early focus on math skills, and collaborative or independent work. Class will close out with a check for understanding linked to daily objectives.

Sample: Student Zone Choice



Model Summary: Introduce or review new concepts followed by a quick check for understanding.- this could be a pre-test which correlates with final check for understanding. This will be within a large standards-based concept, but provide student choice. Next, using an (NUA) Inquiry exploration technique, students choose an image they are drawn to (from 4-5 teacher selections) to ask questions about- small teams share their questions and ideas with group about their image. (CITW Advance Organizers and Nonlinguistic Rep)

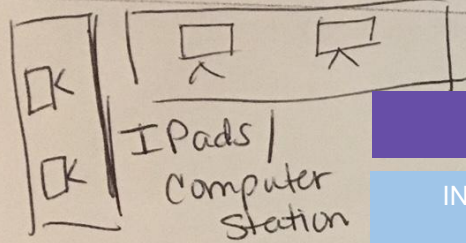
Quick Activity



- Sketch a classroom
- How could a new classroom design support student centered learning?

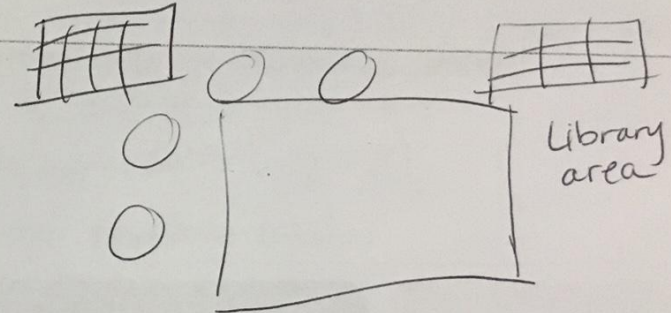
Sketch Your Classroom Model

How might we...

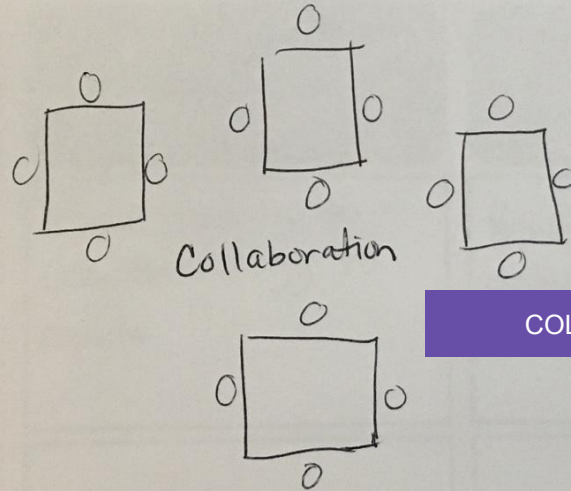


INDEPENDENT

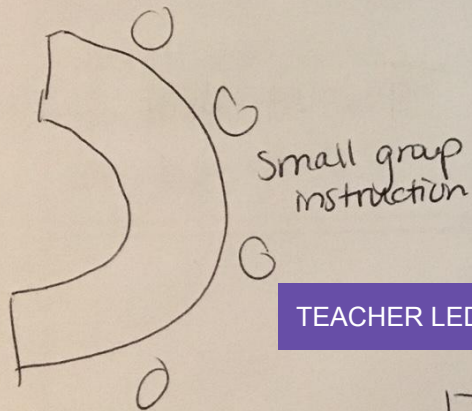
INTEGRATED DIGITAL
CONTENT



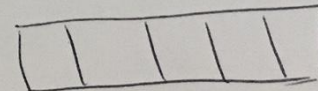
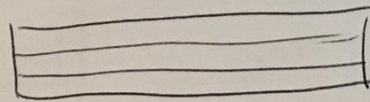
THREE STATION ROTATION



COLLABORATIVE



TEACHER LED SMALL GROUP



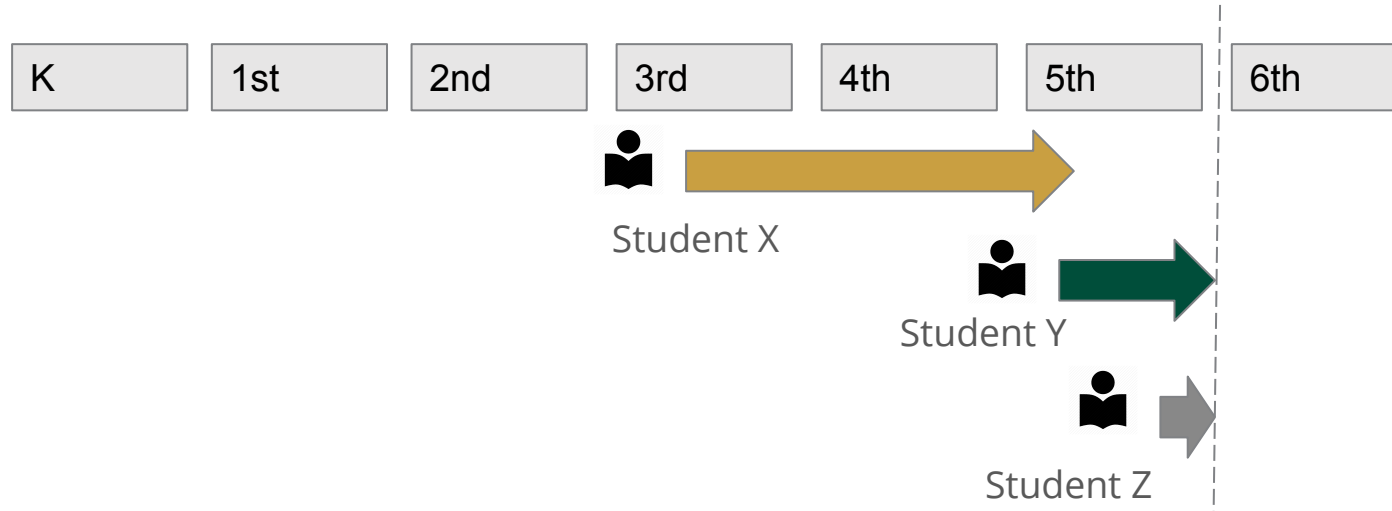
Your Name: M. McCall Your Grade Level/Subject: 2nd Grade

Emerging Trend:

Mastery & Assessment

Example Dilemma 1: Who's learning?

Three students begin 5th grade: One starts at a 3rd grade level, two start at different levels in 5th grade.



Questions for consideration:

- Who learned the most this school year? The least?
- Who is mostly likely to be referred to as a “fast” learner?
- With whom did the most effective teaching likely happen?
- What grades would you expect to see on Student X’s report card? How does that impact student motivation?

Example Dilemma 2: Who's mastering concepts?

Three students all receive an 80% as their final course grade.

 Student 1

Final Score	
Standard 1 Assessment	80.00%
Standard 2 Assessment	80.00%
Standard 3 Assessment	80.00%
Standard 4 Assessment	80.00%
Standard 5 Assessment	80.00%
Standard 6 Assessment	80.00%
Standard 7 Assessment	80.00%
Standard 8 Assessment	80.00%
Final Grade	80.00%

 Student 2

Final Score	
Standard 1 Assessment	40.00%
Standard 2 Assessment	40.00%
Standard 3 Assessment	60.00%
Standard 4 Assessment	100.00%
Standard 5 Assessment	100.00%
Standard 6 Assessment	100.00%
Standard 7 Assessment	100.00%
Standard 8 Assessment	100.00%
Final Grade	80.00%

 Student 3

Final Score	
Standard 1 Assessment	40.00%
Standard 2 Assessment	40.00%
Standard 3 Assessment	60.00%
Standard 4 Assessment	70.00%
Standard 5 Assessment	51.00%
Standard 6 Assessment	91.00%
Standard 7 Assessment	91.00%
Standard 8 Assessment	91.00%
Assessment Average	66.75%
Homework	100.00%
Attendance	100.00%
Behavior	100.00%
Effort	100.00%
Final Grade	80.05%

Homework, attendance, behavior, and effort all count for 10% of the final grade in this student's class; assessments count for 60%

Questions for consideration:

- Which student is most prepared for the next grade level? Least?
- What does a final grade of “80%” mean in Student 1’s course? What does a final grade of “80%” mean in Student 3’s course?

What's happening in the classroom?

March 2014

Formative assessment

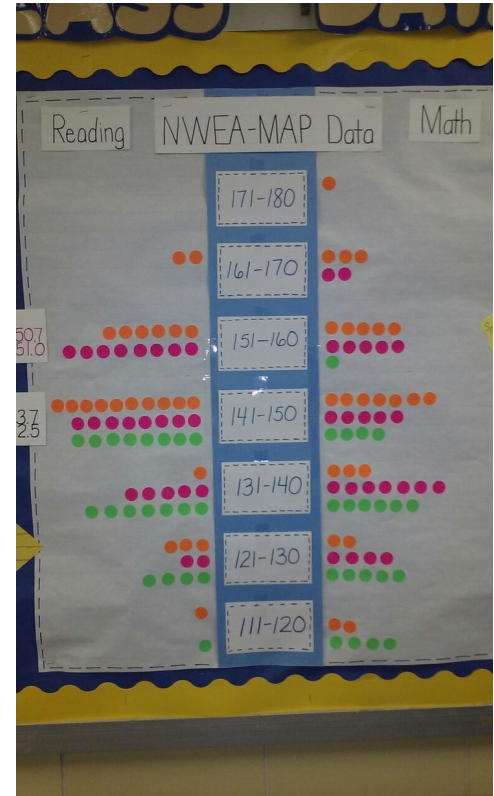
	Mr. Abbott	Ms. Taylor	Mr. Taylor
Mr. Balenger	+	+	+
Mr. Banger	+	+	+
Mr. Delman	+	+	+
Mr. Feathers	+	+	+
Mr. Gallup	+	+	+
Mr. Gates	+	+	+
Mr. Hudson	+	+	+
Mr. Jackson	+	+	+
Mr. Kida	+	+	+
Mr. Lange	+	+	+
Mr. Crabtree	+	+	+
Mr. Leeders	+	+	+
Mr. Lovett	+	+	+
Mr. Nan	+	+	+
Mr. Myers	+	+	+
Mr. On	+	+	+
Mr. Rouse	+	+	+
Mr. Ryan	+	+	+
Mr. Xbury	+	+	+
Mr. With	+	+	+
Mr. Xms	+	+	+
Mr. Willis	+	+	+
Mr. Yahne	+	+	+
Mr. Xger	+	+	+

Friday RTI:
Kobay, Hanley,
Ali, Abby,
Chance, Makenna

Daily Tracking



Emerging Technology



Highly Visible

Five Questions

1. What new instructional practices is our district trying right now?
2. How might we meet the needs of every student?
3. For new or planned buildings, how can we make them look different and support collaboration?
4. How are technology purchases aligned to curriculum?
5. How is our district capturing and using data to drive instruction?

Quick Plug



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who are transforming teaching & learning.*
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together and prepare the students of today for tomorrow.



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THANK YOU

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