

Personalized  
Learning  
Summit  
2017



@edelements

# From Traditional to Data-Driven

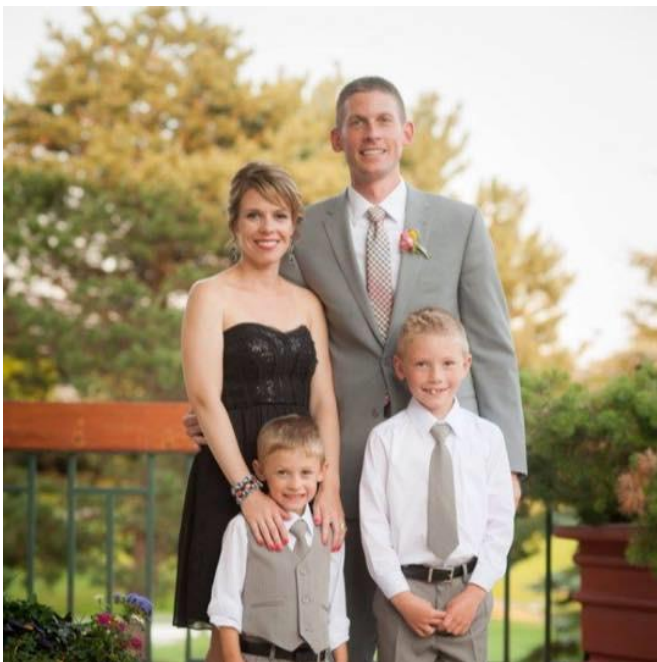
## One Urban Math Class' Blended Learning Journey

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[bit.ly/PLSWorkshopSurvey](http://bit.ly/PLSWorkshopSurvey)

#PLSummit



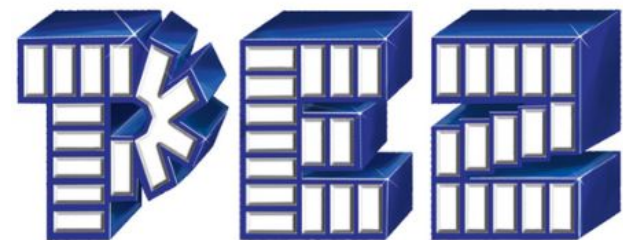
Ryan Piper  
@\_ryanpiper

8th Grade  
Math Teacher  
Gilmore Middle  
Racine Unified  
16 Years



### Recent Accomplishments:

- 2016 WI PTSA Outstanding Educator
- 2017 Superintendent's Beacon Award



515 Students

41% Hispanic

34% African American

20% White

## Demographics of GMS

88% Attendance

1373 ODRs

273 OSS

80% Free or  
Reduced Lunch

21% Special Education

State Report Card  
Score = 22.4%

# Why make changes?



- Dragging students along who weren't ready
- Making students do another day of material who didn't need it
- Scores were stagnant...at best

## What's the risk?

“If your doctor still practiced medicine the same way they did 15 years ago, would you be ok with that?” **Alice Keeler**



# Personalized Learning 1.0

(iPad Carts)

## Chapter 2

### Student Checklist:

Name: \_\_\_\_\_

	Date	staff initials	grade
1) Pretest	_____	_____	_____
2) Video 1: Adding Integers	_____	_____	_____
3) Assignment 1: IP	_____	_____	_____
4) Video 2: Subtracting Integers	_____	_____	_____
5) Assignment 2: IP	_____	_____	_____
6) Application 1	_____	_____	_____
7) Quiz 1	_____	_____	_____
8) Video 3: Multiplying Integers	_____	_____	_____
9) Assignment 3: IP	_____	_____	_____
10) Video 4: Dividing Integers	_____	_____	_____
11) Assignment 4: IP	_____	_____	_____
12) Application 2	_____	_____	_____
13) Quiz 2	_____	_____	_____
14) Discussion question:	_____	_____	_____
15) Activity	_____	_____	_____
16) Quiz 3	_____	_____	_____
17) Post Test	_____	_____	_____

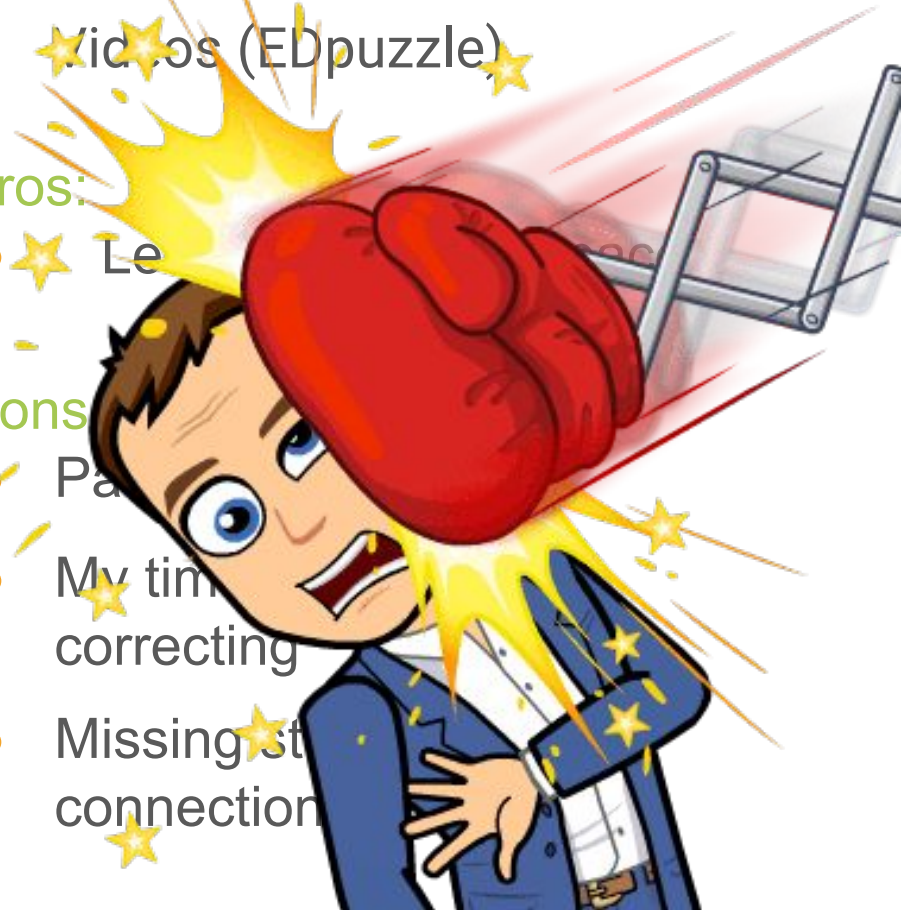
- Students work off of checklists
- Videos (EDpuzzle)

### Pros:

- Learning

### Cons:

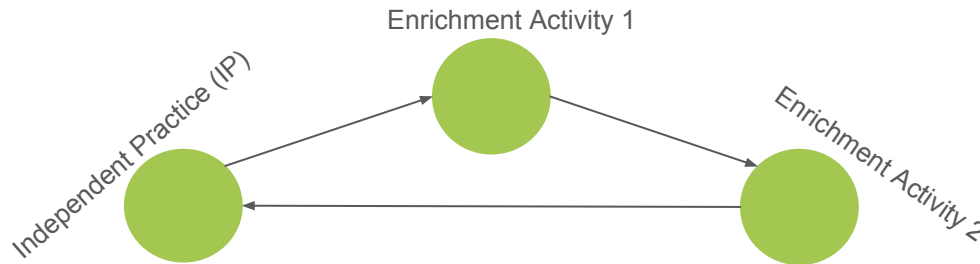
- Personalized
- My time correcting
- Missing student connection





# Blended Learning 1.0

- Utilized a five day lesson schedule
  - Monday: Direct Instruction - Whole Class (notes)
  - Tuesday - Wednesday - Thursday: Rotations (after video)



- Friday: Assessment: - Whole Class

## Pros:

- Re-establish the student-teacher connection
- Pace improved

## Cons:

- Teacher still spends time correcting work
- Activities suffered if IP wasn't first



# Blended Learning 2.0



1:1 Chromebooks

- Utilized a five day lesson schedule
  - Monday: Direct Instruction - Whole Class (notes) followed by a Check for Understanding (CfU) > 80% to move on
  - Tuesday: Independent Practice (IP) > 80% to move on
  - Wednesday: Enrichment Activity 1
  - Thursday: Enrichment Activity 2
  - Friday: Assessment

Re-do Everything!

## Pros:

- Frequent CfUs easily form small groups for reteaching
- Enrichment activities are more meaningful with IP first

- Thanks to Flubaroo, I'm available to reteach

## Cons:

- Needs to be more student centered



# In Progress...

## Blended Learning 3.0

Student Centered

Discovery

Collaboration

Real World Connections

Goal Setting



Reflection

Growth Mindset

Performance Tasks

Projects

Choice

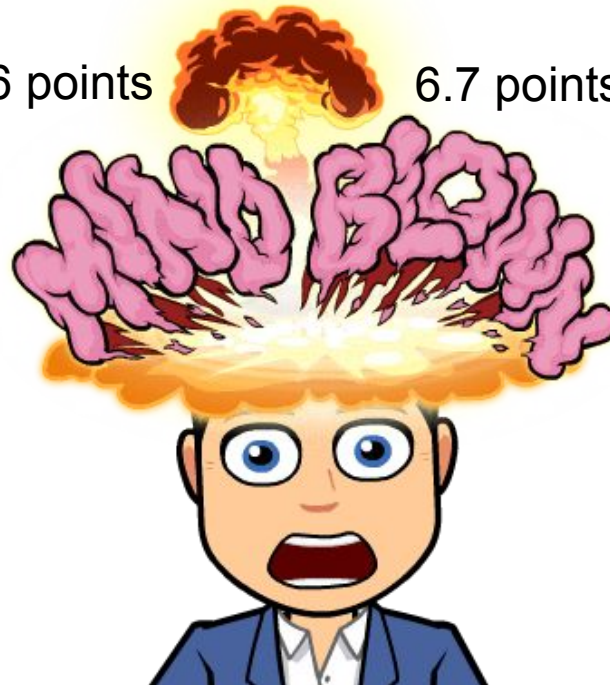
Less teacher!



# What Does the Data Say?

	2014-2015	2015-2016 (½)	2016-2017
Raised MAP Score	74%	77%	75%
Raised 5 + Points	37%	53%	49%
Raised 10 + Points	9%	22%	18%
Special Education Increase	4.7 points	7.1 points	6.8 points
African American Increase	1.6 points	6.7 points	5.7points

10 points = 1-2 grade levels growth



# Additional Tools and Resources:

- 50 Things You Can Do with Google Classroom (@alicekeeler)
  - Tech should enhance the lesson!
  - Feedback
  - Collaboration
- Mathematical Mindsets (@joboaler)([www.youcubed.org](http://www.youcubed.org))
  - Math vs. Not Math people
  - Growth Mindset
  - Struggle and Failure
  - Grading

# Let's Hear From the Students!

Flipgrid Activity:

[www.flipgrid.com/plsummit](https://www.flipgrid.com/plsummit)

- What do you like about our data-driven blended learning classroom?
- What is your success story?
- Have your feelings towards math changed?

# THANK YOU

**[bit.ly/PLSWorkshopSurvey](https://bit.ly/PLSWorkshopSurvey)**

[www.flipgrid.com/plsummit](https://www.flipgrid.com/plsummit)

[www.bit.ly/PLSPiper](https://www.bit.ly/PLSPiper)