

Data: Our Roadmap for Continuous Improvement

Butler Area School District
Data Presentation -- February 2020



Why look at data?

- Strategic Plan
- Evaluate growth and benchmarks
- Check effectiveness of existing curriculum
- Determine need for intervention or extension
- Evaluate progress over time



How do we look at data?

- Across buildings, grades and departments
- Set goals to improve targeted areas
 - Every building, every grade (K-6)
- Target - 80% Proficiency
 - DIBELS
 - MAP Growth









2019 PSSA Proficient and Advanced

	ELA	Math	Science
SHS	80.5%	78.8%	77.3%
IHS	66.0%	39.9%	64.9%
MS	69.0%	52.3%	NA
CT	68.2%	51.9%	81.4%
Conno	75.8%	53.0%	96.4%
Emily Brittain	59.8%	43.9%	87.6%
McQuiston	66.3%	59.7%	89.4%
Northwest	76.8%	54.4%	86.4%
Summit	80.2%	57.3%	88.0%



Progress Over Time – PVAAS

	Significant evidence that the school exceeded the standard for PA Academic Growth
	Moderate evidence that the school exceeded the standard for PA Academic Growth
	Evidence that the school met the standard for PA Academic Growth
	Moderate evidence that the school did not meet the standard for PA Academic Growth
	Significant evidence that the school did not meet the standard for PA Academic Growth
	The school does not have data for this test and subject in the most recent year.



PVAAS Math Grades 4-8

Estimated School Growth Measure						
School Name		4	5	6	7	8
Butler Area Ihs	2019	--	--	--	-3.4	-0.3
	3-Yr-Avg	--	--	--	-3.3	-0.1
Butler Middle School	2019	--	0.9	1.5	--	--
	3-Yr-Avg	--	2.2	2.6	--	--
Center Township School	2019	2.2	--	--	--	--
	3-Yr-Avg	-0.6	--	--	--	--
Connoquenessing Elementary School	2019	-3.0	--	--	--	--
	3-Yr-Avg	-4.9	--	--	--	--
Emily Brittain Elementary School	2019	3.4	--	--	--	--
	3-Yr-Avg	1.7	--	--	--	--
Mcquistion Elementary School	2019	1.9	--	--	--	--
	3-Yr-Avg	2.3	--	--	--	--
Northwest School	2019	2.0	--	--	--	--
	3-Yr-Avg	0.4	--	--	--	--
Summit Elementary School	2019	1.8	--	--	--	--
	3-Yr-Avg	-1.3	--	--	--	--



PVAAS ELA Grades 4-8

Estimated School Growth Measure						
School Name		4	5	6	7	8
Butler Area Hs	2019	--	--	--	-0.7	-1.9
	3-Yr-Avg	--	--	--	0.2	-2.0
Butler Middle School	2019	--	-0.1	2.7	--	--
	3-Yr-Avg	--	0.8	1.7	--	--
Center Township School	2019	1.3	--	--	--	--
	3-Yr-Avg	1.0	--	--	--	--
Connoquenessing Elementary School	2019	0.3	--	--	--	--
	3-Yr-Avg	-2.6	--	--	--	--
Emily Brittain Elementary School	2019	-2.9	--	--	--	--
	3-Yr-Avg	-0.9	--	--	--	--
Mcquiston Elementary School	2019	-0.8	--	--	--	--
	3-Yr-Avg	-2.1	--	--	--	--
Northwest School	2019	5.7	--	--	--	--
	3-Yr-Avg	0.5	--	--	--	--
Summit Elementary School	2019	5.8	--	--	--	--
	3-Yr-Avg	2.3	--	--	--	--



PVAAS Keystone Exams

Estimated School Growth Measure				
School Name		Algebra I	Biology	Literature
Butler Area Ihs	2019	-1.9	-6.2	--
	3-Yr-Avg	<u>-1.5</u>	<u>-6.2</u>	--
Butler Area Senior High School (8344)	2019	7.6	-3.6	3.4
	3-Yr-Avg	<u>10.4</u>	<u>1.1</u>	<u>3.0</u>



Benchmark- DIBELS

Grade 4- Winter

Grade 4	2020	2019	2018 (307)
Composite	68	66	48
Oral Reading Fluency	65	64	52
ORF Accuracy	77	76	71
Retell	61	58	38
MAZE	67	60	53



Benchmark- DIBELS

Grade 3- Winter

Grade 3	2020	2019	2018 (288)
Composite	73	70	53
Oral Reading Fluency	68	67	53
ORF Accuracy	78	74	65
Retell	69	69	47
MAZE	75	69	57



Benchmark- DIBELS

Grade 2- Winter

Grade 2	2020	2019	2018 (275)
Composite	73	75	59
Oral Reading Fluency	64	68	50
ORF Accuracy	71	73	57
Retell	69	68	54



Benchmark- DIBELS

Grade 1- Winter

	2020	2019	2018 (346)
Composite	72	59	56
Correct Letter Sounds	76	70	66
Whole Words Read	86	80	76
Oral Reading Fluency	67	53	49
ORF Accuracy	64	51	51



Benchmark- DIBELS

Kindergarten- Winter

	2020	2019	2018 (400)
Composite	81	72	60
First Sound Fluency	87	84	76
Phoneme Segmentation Fluency	89	79	83
Correct Letter Sounds	81	75	59
Whole Words Read	3	1.4	



What are we doing in response to data?

MTSS: Multi-Tiered System of Supports

- WIN (What I Need)

- Elementary
 - ELA (K-6)
 - Math (K-6)
- IHS
 - ELA (8th grade)
 - Math (7th academic)



Impact of Math WIN

Northwest Grade 4

	Winter 2019-2020	Winter 2018-2019
Numbers & Operations	73	58
Algebraic Concepts	79	65
Geometry	70	51
Measurement & Data	63	58

What are we doing in response to data?

Investing in people via targeted trainings

- University of Pittsburgh's Institute for Learning (IFL)
 - Math Grades 3-5
 - Math Grades 6-8



Trend to Watch – 2019 Percentage of Students Scoring in the Advanced Range vs 2018

	ELA	Math	Science
SHS	Green	Green	Yellow
IHS	Yellow	Red	Green
MS	Green	Green	NA
CT	Green	Green	Green
Conno	Green	Green	Red
Emily Brittain	Red	Green	Green
McQuiston	Red	Red	Red
Northwest	Green	Green	Green
Summit	Yellow	Red	Yellow



What are we doing in response to data?

Investing in people via targeted trainings

- Heggerty and ECRI
 - ELA Grade K-2
 - Pre-K
- Primary Teacher Academy
 - Reading Specialists
 - Kindergarten
- Reading Essentials
 - Grade 1
 - Grade 2



What are we doing in response to data?

Investing in personalized learning tools

- Learning A-Z
- Study Island Integrated Solution
- Apps such as iXL



What are we doing in response to data?

Creating opportunities for enrichment and extension

- Algebra 7 Bridge during grade 6 WIN
- Cluster grouping



Another factor– The impact of ...

- Coaches
- Instructional Technology Liaison



Questions...

