### 2018-19 QUARTER I **ACADEMIC PROGRESS REPORT**

What does it



Step 2 Do

Plan

**PDSA** 

Study









## Schools Pest. 1854

#### **OUTLINE OF PRESENTATION**

Summary of Data:	Page #
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#### SYMBOLS USED IN TODAY'S PRESENTATION









PROCEEDING WITH CAUTION



PRIORITY AREA!
NEEDS
ATTENTION

#### **SUMMARY OF DATA**



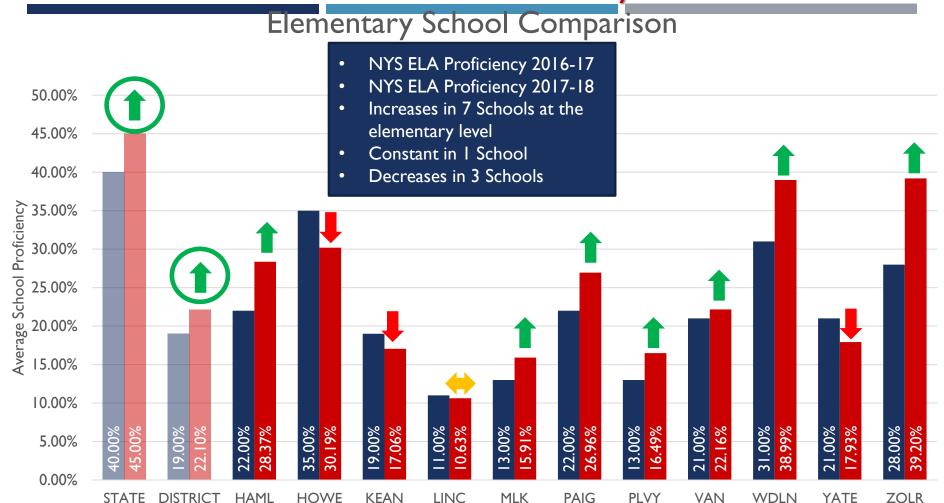
## NYS Testing Program: 2016-17 to 2017-18 Post-Public Release Comparison

#### **SUMMARY OF DATA**



## NYS Testing Program: English Language Arts Grades 3-8

#### NYS 3-5 **ELA Proficiency**



■ 16-17 % Proficient ■ 17-18 % Proficient

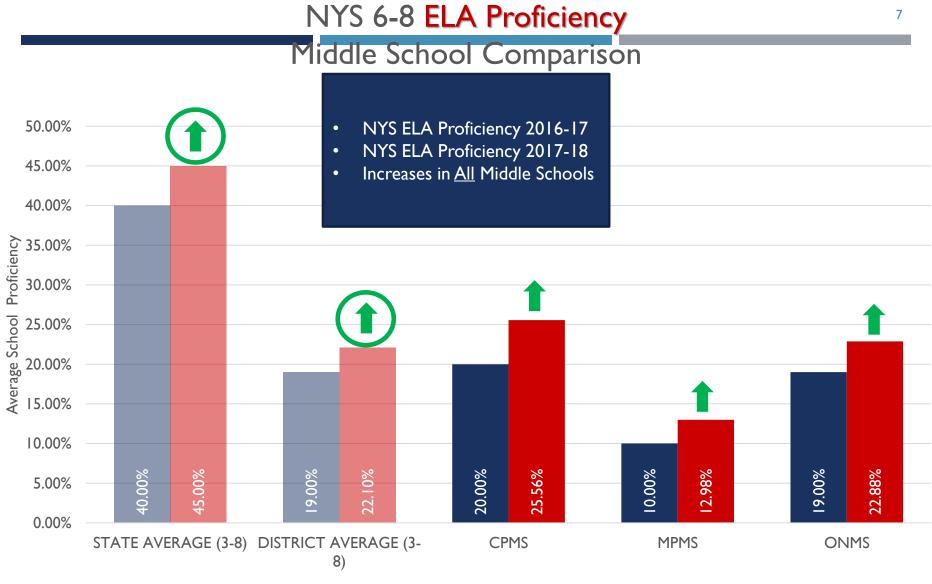
**AVERAGE AVERAGE** 

(3-8)

(3-8)

	otal ested	Ham	How	Kean	Linc	MLK	Paig	PV	Van	Wdl	Yate	Zol
20	16-17	218	164	164	167	259	227	171	199	159	179	177
20	17-18	208	159	170	160	264	230	194	194	159	184	176





Total Tested	СР	MP	OMS
2016-17	590	615	550
2017-18	583	624	555

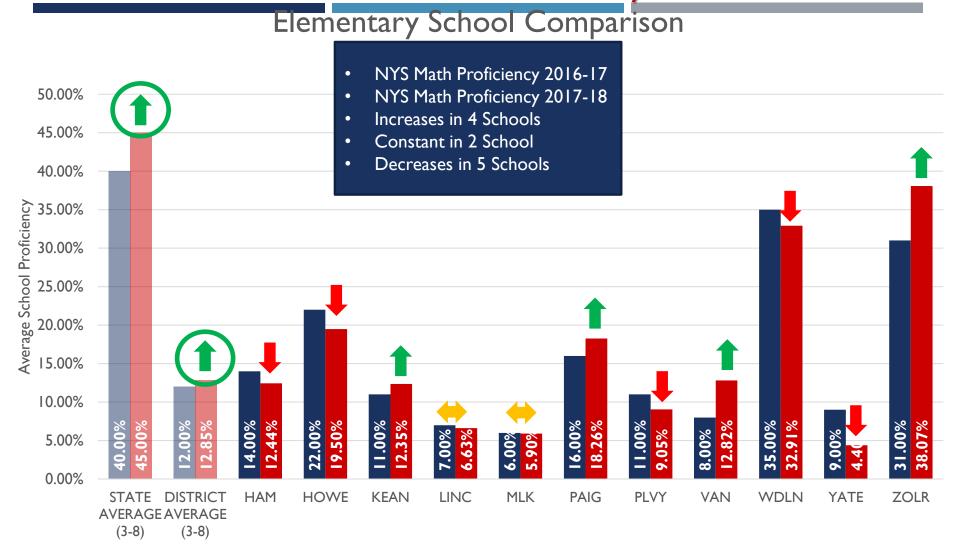


#### SUMMARY OF DATA



## NYS Testing Program: Mathematics Grades 3-8

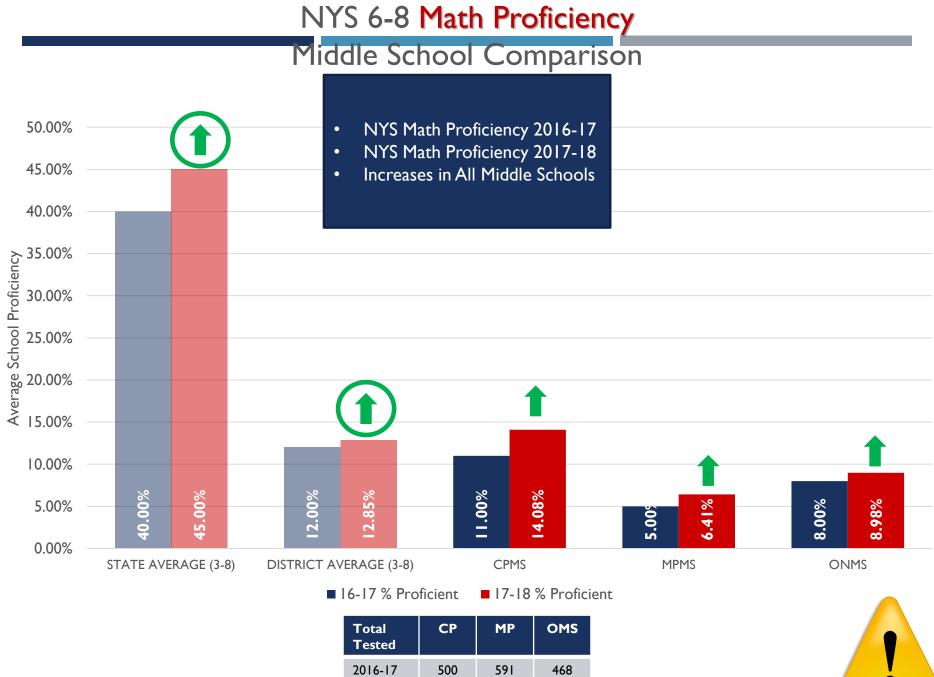
#### NYS 3-5 Math Proficiency



■ 16-17 % Proficient ■ 17-18 % Proficient

Total Tested	Ham	How	Kean	Linc	MLK	Paig	PV	Van	Wdl	Yate	Zol
2016-17	223	159	161	168	250	227	171	195	155	170	173
2017-18	209	159	170	166	271	219	199	195	158	182	176





2017-18



## 2018-19 School Year Quarter | Data



### STAR 360 Universal Screener



#### STAR 360 UNIVERSAL SCREENER

#### STAR 360 Assessment Suite

- STAR Early Literacy (K-2)
- STAR Reading (3-12)
- STAR Math (3-9)

#### Benefits of STAR 360

- Comprehensive screening
- Quick access to actionable data
- Computer-adaptive Tests (CAT)

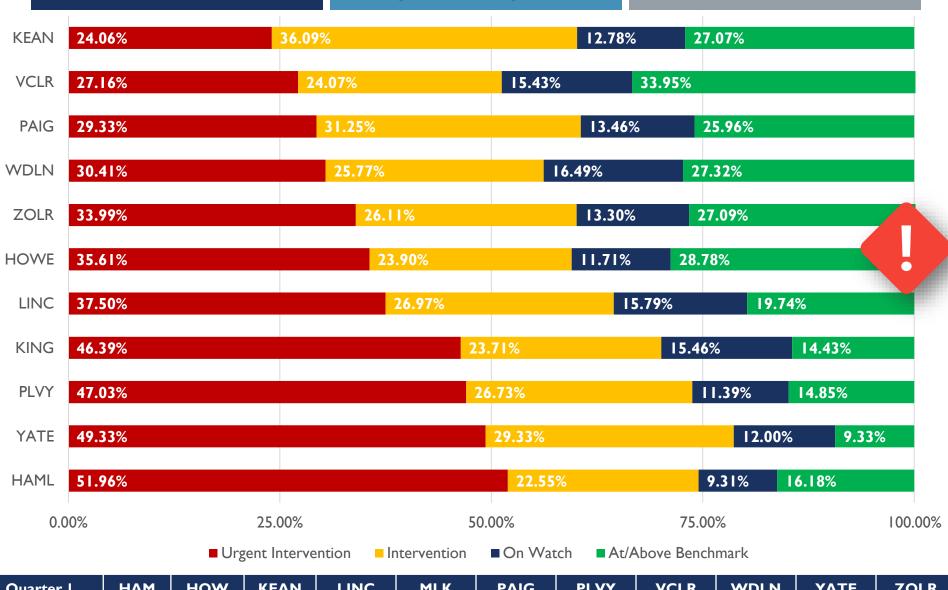


#### **READING**



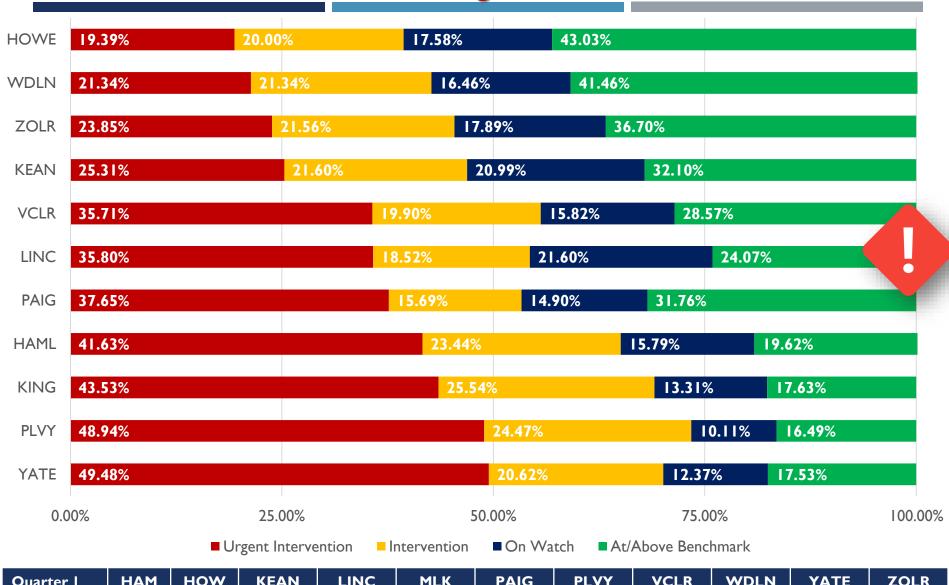
## STAR 360 Universal Screening: Early Literacy & Reading

#### STAR Early Literacy, Grades K-2



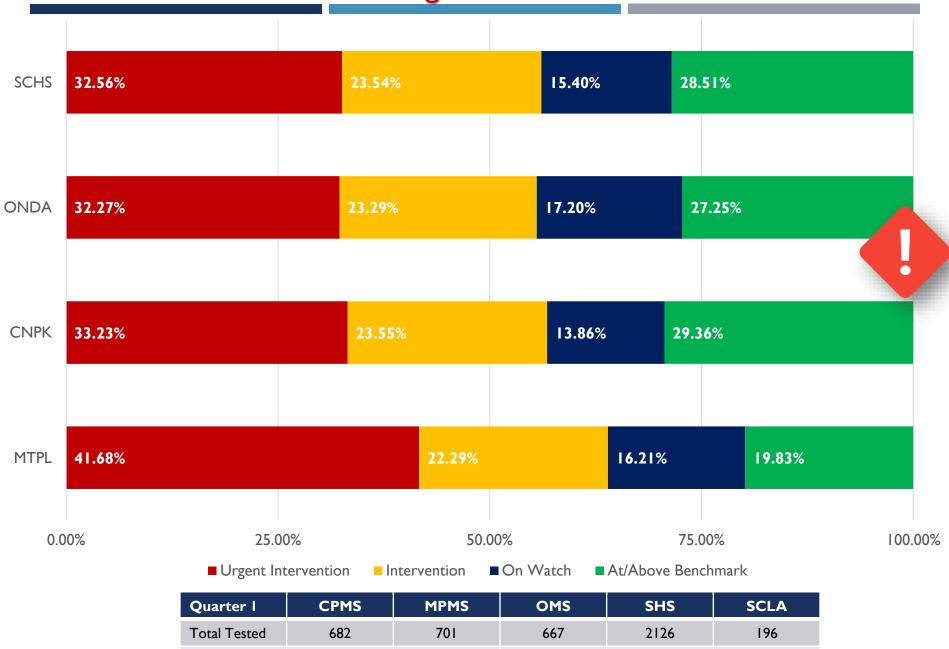
Quarter I	НАМ	ноw	KEAN	LINC	MLK	PAIG	PLVY	VCLR	WDLN	YATE	ZOLR
Total Tested	208	206	135	152	197	219	209	165	199	160	207
Participation	95.9%	96.7%	97.1%	96.8%	97.5%	97.7%	93.3%	97.6%	95.7%	90.4%	94.1%

#### STAR Reading, Grades 3-5



Quarter I	НАМ	нож	KEAN	LINC	MLK	PAIG	PLVY	VCLR	WDLN	YATE	ZOLR
Total Tested	218	168	165	170	288	254	186	197	171	196	220
Participation	93.2%	93.3%	98.2%	95.0%	98.6%	97.0%	97.3%	96.6%	93.4%	95.6%	96.5%

#### STAR Reading, Grades 6-8 & 9-12



92.9%

93.9%

86.2%

77.2%

**Participation** 

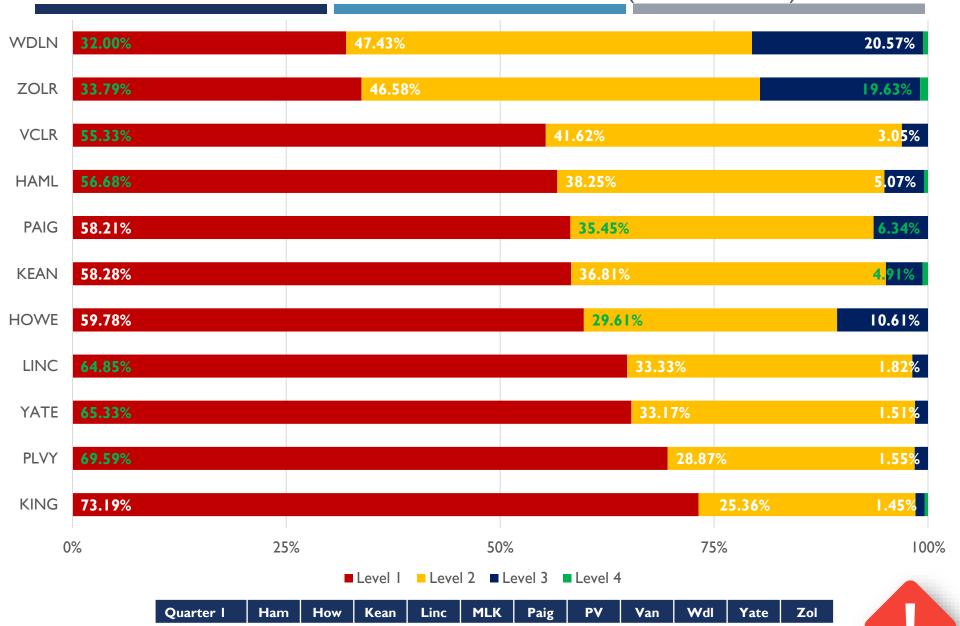
98.0%

#### SUMMARY OF DATA



## Fall Interims: English Language Arts Grades 2-8

#### ELA Interims, Grades 2-5, Fall 2018 (vs. Fall 2017)



330

97.4%

322

90.0%

238

86.2%

235

91.1%

244

93.5%

246

92.5%

280

92.4%

276

90.5%

226

93.8%

195

92.9%

203

88.3%

**Total Tested** 

**Participation** 

Participation

89.7%

85.5%

89.5%

#### PDSA CYCLES



Plan-Do-Study-Act
Continuous
Improvement Cycles
@ SCSD:
Oneida Zone



Schenectady High School

Oneida Middle School

Howe, MLK, Yates, Zoller

Mont Pleasant Middle School

Hamilton, Pleasant Valley, Van Corlaer

Central Park Middle School

Keane, Lincoln, Paige, Woodlawn



### Setting the Stage



focusedresults



#### Continuous Improvement Cycle @ SCSD

#### check results

Teams review leading indicators to evaluate progress and results; hypothesis and initial findings are created as the data is examined and studied; adjustments are considered.

#### implement plans

Communicate your plan and processes for monitoring you're on track; inspire and motivate change; hardwire your initiatives into every meeting, classroom, building and community conversation.

#### develop initiatives

Identify your teams; analyze multiple measures; determine lagging indicators for focused improvement; set goals to address gaps; choose leading indicators to monitor progress; create action plans that communicate your theories of action.

#### adjust actions

Attendance zones solidify meanings, adjust action plans and predictions, and re-communicate the plan and process with all stakeholders.



#### progress monitor

Universal screeners are administered to identify students at risk of learning; targets & interventions are set that are highly predictive of student outcomes.

#### mid-quarter cycle

Plan-Do-Study-Act Cycle of interim progress reports, attendance and behavior data; results are checked and actions are adjusted.

#### quarterly cycle

Plan-Do-Study-Act Cycle of STAR Reading, STAR Math, ELA Interims, Math Interims, Speed DIAL-4, report card grades, attendance and behavior data; internal and external report-outs are conducted.



#### Defining the problem

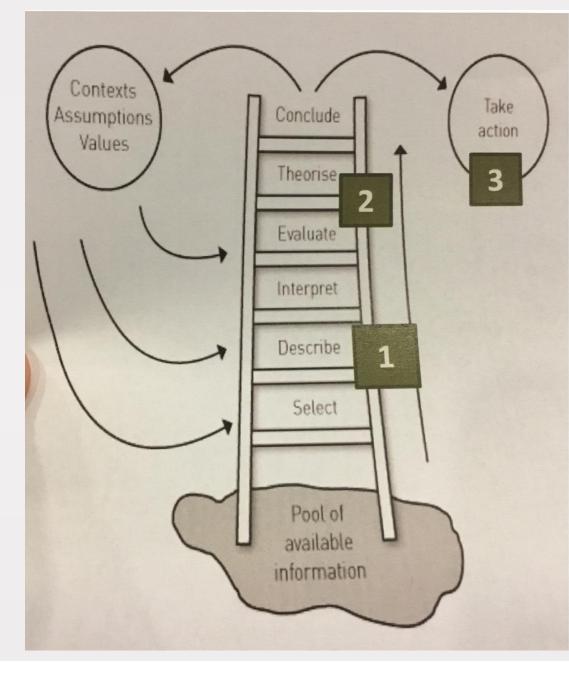


"What specifically is the problem we are trying to solve?"

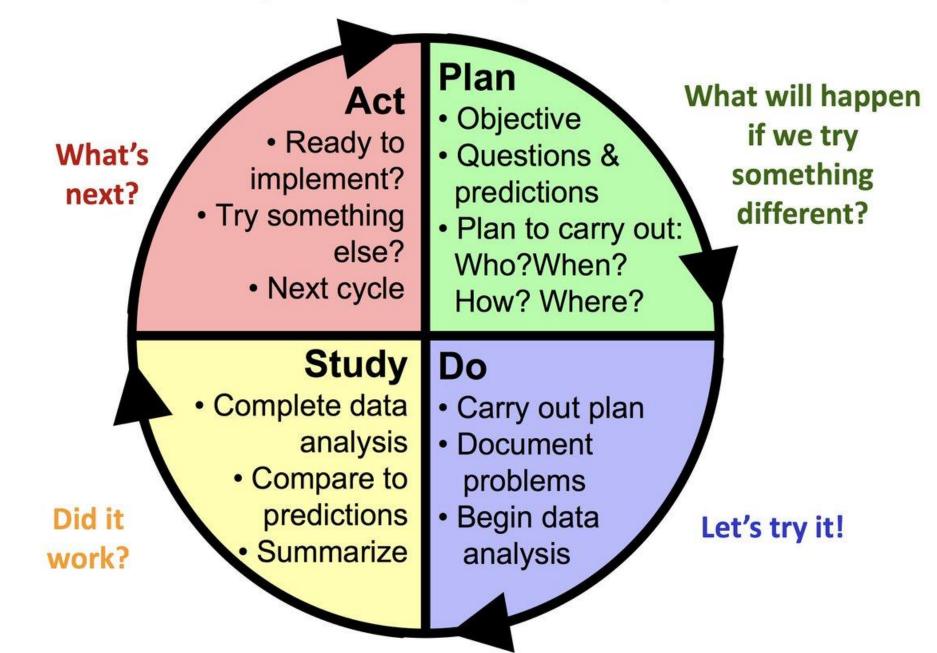


## Data Walkthrough

- 1. What do you see and notice?
- 2. What hypotheses or explanations do you have about what you see?
- 3. What will you do next?



#### The PDSA Cycle for Learning and Improvement





## The Six Core Principles of Improvement Science

#### 1. Make the work problem-specific and user-centered.

It starts with a single question: "What specifically is the problem we are trying to solve?" It enlivens a co-development orientation: engage key participants early and often.

#### 2. Variation in performance is the core problem to address.

The critical issue is not what works, but rather **what works**, **for whom and under what set of conditions**. Aim to advance efficacy reliably at scale.

#### 3. See the system that produces the current outcomes.

It is hard to improve what you do not fully understand. Go and see **how local conditions shape work processes**. **Make your hypotheses for change public and clear**.



#### The Six Core Principles of Improvement Science

#### 4. We cannot improve at scale what we cannot measure.

Embed measures of key outcomes and processes to track if change is an improvement. We intervene in complex organizations. Anticipate unintended consequences and measure these too.

#### 5. Anchor practice improvement in disciplined inquiry.

**Engage rapid cycles of Plan, Do, Study, Act (PDSA)** to <u>learn fast, fail fast, and improve quickly</u>. That failures may occur is not the problem; that we fail to learn from them is.

#### 6. Accelerate improvements through networked communities.

Embrace the **wisdom of crowds**. We can accomplish more together than even the best of us can accomplish alone.













# PDSA in Action: Reading Oneida Attendance Zone Elementary Schools

Howe, MLK, Zoller & Yates

#### **Elementary Action Plans**

#### Defining the Problem:

- Literacy Block was not being implemented with fidelity or systematically
- Teachers needed more experience and tools to teach Phonics/Phonemic Awareness
- The Literacy Framework outlines Explicit Instruction at each grade level
- Grade level meetings needed to be refocused on effective use of literacy block time, strategies and interventions

#### Keys to an Effective Systematic Literacy Program

Balance of instruction designed to meet students' needs

Balance of instructional settings

- whole class
- small flexible groups
- individual

#### Balance of level of teacher support

scaffold student learning based on gradual release of responsibility model

#### Balance of instruction and practice

direct, explicit instruction as well as frequent opportunities for meaningful student practice

Balance of assessment practices to inform and differentiate instruction

#### Balance of materials and resources

texts available at both instructional and independent levels for all students

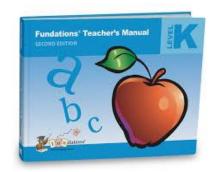
#### **Elementary Action Plans**

#### Systematic Literacy Framework in Kindergarten for 150 minutes Literacy Block

	<u> </u>
Kindergarten	Focus
50 Minutes	Explicit instruction led by teacher
Phonics/Phonemic	
Awareness	Pronemic Awareness (20 minutes)
(not necessarily	ISA, F & P Phonics, Fundations, Shared Reading, Oral Language (Songs, Poetry, etc.)
concurrent in schedule)	Phonics (30 minutes)
	F & P, Fundations, Word Work
60 Minutes ELA	Core Literacy Block- Reading and Writing
	-Explicit instruction in Vocabulary, Comprehension, Oral Language, Fluency using:
	ELA Units & ELA Integrated Units & IFL Unit
	Designed based on the interaction of scaffolded texts, scaffolded tasks, sequenced-text-based questions, close reading and Accountable Talk
	<ul> <li>Focused with central drivers (enduring understandings) and overarching questions (essential questions) and assessments</li> </ul>
40 Minutes Small	Guided Reading / Literacy Workstations / Independent Reading
Group Guided	Explicit guided reading instruction in leveled text for students with teacher support
Reading	> Small group opportunities for practice of previously taught phonics skills
	Opportunities daily for students to read books at independent level on their own









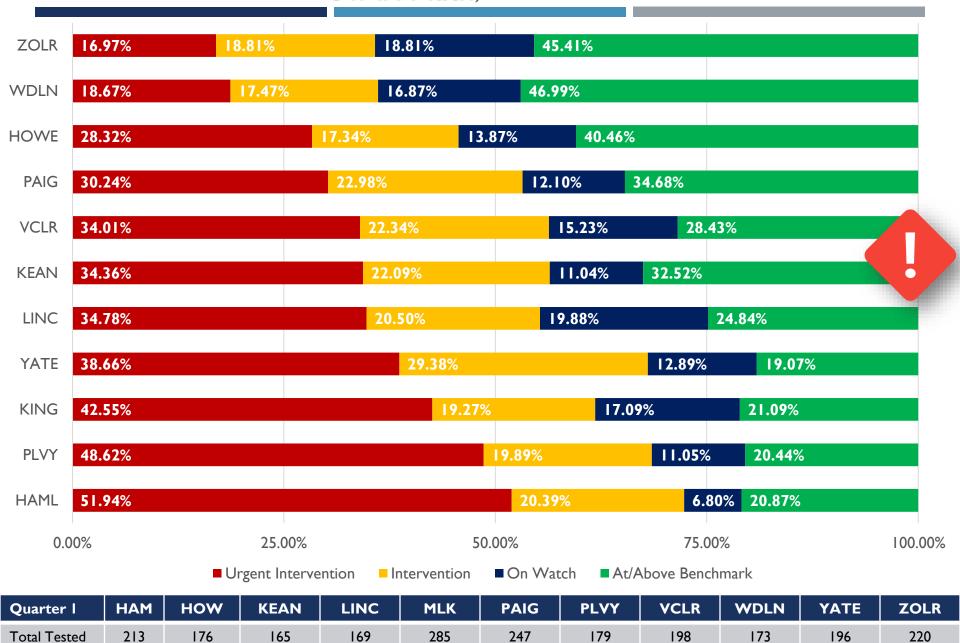
First Grade	Focus								
40 Minutes	Explicit instruction led by teacher (based on students' needs)								
Phonics/Phonemic									
Awareness	Phonemic Awareness (10 minutes)								
	ISA, F & P Phonics, Fundations, Shared Reading, Songs, Poetry, etc.								
(not necessarily									
concurrent in	Phonics (30 minutes)								
schedule)	F & P, Fundations, Word Work								
69 Minutes ELA	Core Literacy Block- Reading and Writing								
	Explicit instruction in Vocabulary, Comprehension, Fluency using:								
	FLA Unite 9 FLA Interveted Unite 9 IFL Unit								
	ELA Units & ELA Integrated Units & IFL Unit  Designed based on the interaction of scaffolded texts, scaffolded tasks, sequenced-text-based questions, close reading and								
	Accountable Talk								
	Focused with central drivers (enduring understandings) and overarching questions (essential questions)								
50 Minutes Small	Guided Reading / Literacy Workstations / Independent Reading								
Group Guided	<ul> <li>Explicit guided reading instruction in leveled text for students with teacher support</li> </ul>								
Reading	Small group opportunities for practice of previously taught phonics skills								
	Opportunities daily for students to read books at independent level on their own								
Grade 2	Focus								
30 minutes	Explicit instruction led by teacher (based on students' needs)								
Phonics	Phonics (30 minutes)								
	F & P, Fundations, Word Work								
70 Minutes	Core Literacy Block- Reading and Writing								
	Explicit instruction in Vocabulary, Comprehension, Fluency using:								
	<ul> <li>ELA Units &amp; ELA Integrated Units &amp; IFL Units</li> <li>➤ Designed based on the interaction of scaffolded texts, scaffolded tasks, sequenced-text-based questions, close reading and Accountable Talk</li> <li>➤ Focused with central drivers (enduring understandings) and overarching questions (essential questions)</li> </ul>								
50 Minutes Small Group Guid Reading	Guided Reading / Literacy Workstations / Independent Reading  Explicit guided reading instruction in leveled text for students with teacher support  Small group opportunities for practice of previously taught phonics skills  Opportunities daily for students to read books at independent level on their own								

#### **READING**



## STAR 360 Universal Screening: Math

#### STAR Math, Grades 3-5



91.0%

**Participation** 

97.8%

98.2%

94.4%

97.6%

94.3%

93.7%

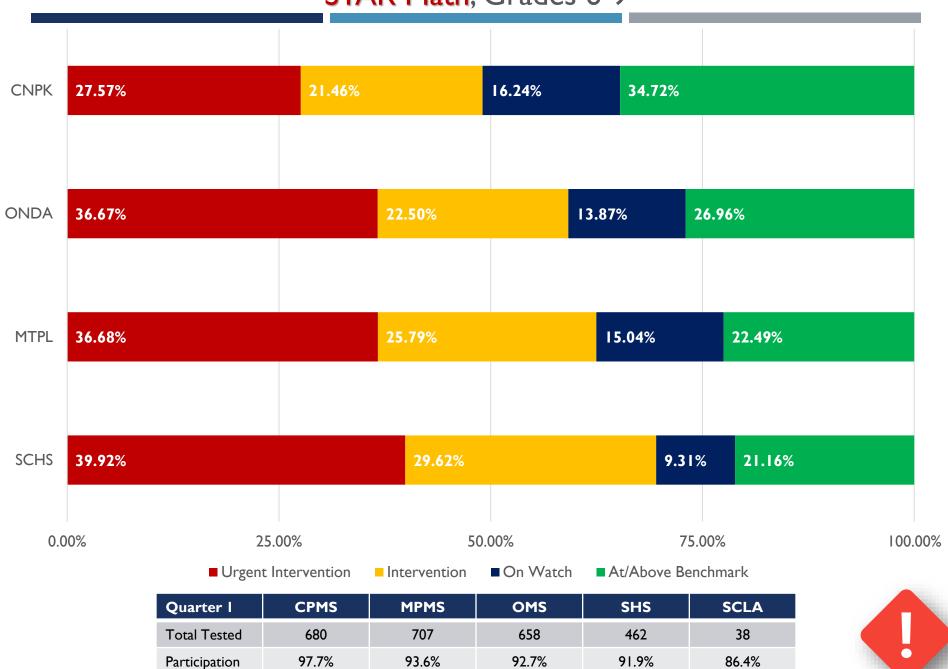
97.1%

94.5%

95.6%

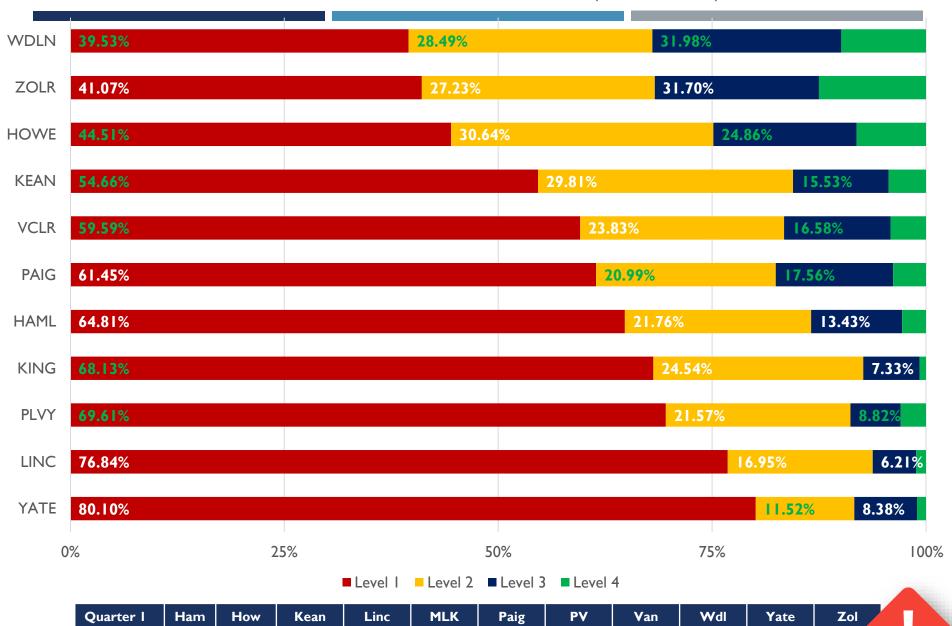
96.5%

#### STAR Math, Grades 6-9





## Fall Interims: Mathematics Grades 3-8



254

95.9%

188

95.0%

186

89.4%

168

92.3%

182

89.7%

221

96.9%

**Total Tested** 

**Participation** 

167

94.4%

211

89.4%

154

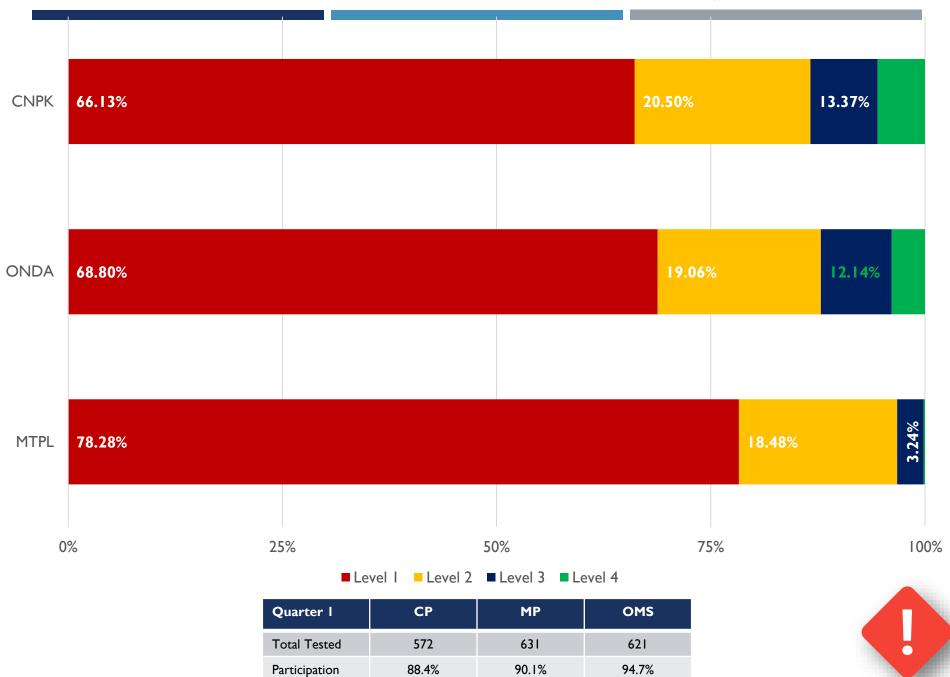
92.8%

169

96.6%

264

91.7%



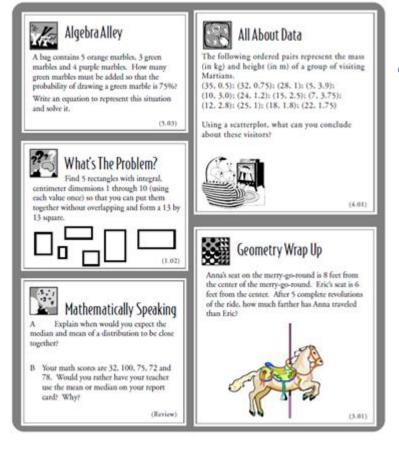


## PDSA in Action: Math Oneida Attendance Zone Oneida Middle School

#### Middle School Action Plans

#### Defining the Problem:

- Students are struggling with word problems and are not receiving full credit on extended-response questions
- Training and implementation of specific strategies to help students address lagging skills





High Frequency Words - ALL Common Core ELA, History, Science, Technical & Math Standards



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#### PRODUCTIVE MATHEMATICAL DISCOURSE

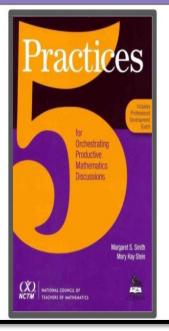


Socialized Learning



Content-specific Pedagogy

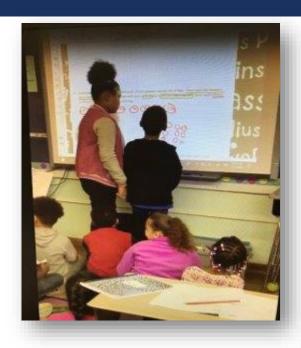
The 5 Practices for Orchestrating Productive Mathematics Discussions



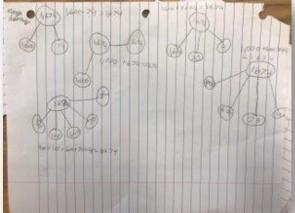
Anticipating
Monitoring
Selecting
Sequencing
Connecting

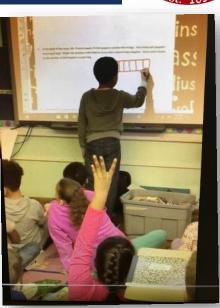
#### WHAT SHOULD WE SEE MORE OF IN THE CLASSROOMS?













# Quarter I Report Card Achievement Data



		I course			2 courses		3 or > courses				
<u>School</u>	<u> 17-18 Q1</u>	<u>18-19 Q1</u>	<u>IEs Q1</u>	<u>17-18 Q1</u>	<u>18-19 Q1</u>	IEs QI	<u> 17-18 Q1</u>	<u> 18-19Q1</u>	<u>IEs Q I</u>		
CPMS	84	72	6	47	27	ı	80	28	5		
MPMS	82	97	20	46	53	15	90	71	15		
ONMS	78	54	4	54	34	7	84	37	1		
SHS	545	470	71	277	272	62	777	548	145		
				_, ,	_,_	<u> </u>					
SCLA	40	42	8	36	31	5	150	96	28		

Quarter	CP(78)	MP(78)	OMS(78)	SHS	SCLA
Total	445	513	465	2410	240

### CALCULATING RELATIVE RISK FOR 3 OR > COURSE FAILURES, GRADES 7-12

#### **Definition:**

**Relative Risk:** 

The risk of a subgroup failing 3 or more courses

compared to

The risk of all other students failing 3 or more courses

Subgroup	Relative Risk Q1 2017-18	Relative Risk Q1 2018-19
Hispanic	1.10	1.09
Asian	0.49	0.52
Black	1.48	1.58
White	0.97	0.88
Two or more	0.91	0.86







	l co	urse	2 co	urses	3 or > courses			
<u>School</u>	<u> 17-18 Q1</u>	<u> 18-19 Q1</u>	<u> 17-18 Q1</u>	<u> 17-18 Q1</u>	<u> 17-18 Q1</u>	<u> 17-18 Q1</u>		
HAM	71	75	53	73	104	85		
HOWE	51	41	30	23	38	<b>62</b>		
KEAN	25	31	25	17	32	42		
LINC	57	56	27	36	78	64		
MLK	82	78	56	56	91	78		
PAIG	67	68	37	42	79	70		
PLVY	73	88	47	25	70	59		
VAN	42	50	29	25	67	43		
WDLN	38	46	22	23	50	56		
YATE	67	68	39	56	82	81		
ZOL	28	35	35	20	25	33		
CPMS (6)	24	41	16	12	10	17		
MPMS (6)	51 34		13	14	20	17		
ONMS (6)	40 41		24 18		25	20		

Quarter I	Ham	How	Kean	Linc	MLK	Paig	PV	Van	Wdl	Yate	Zol	CP6	MP6	OM6
Total	444	389	307	332	492	476	419	373	383	372	446	248	240	240

### CALCULATING RELATIVE RISK FOR 3 OR > COURSES BELOW ACHIEVEMENT GRADES K-6

#### **Definition:**

The risk of a subgroup falling below 3 or more courses

compared to

The risk of all other students falling below 3 or more courses

#### **Relative Risk:**

Subgroup	Relative Risk Q1 2017-18	Relative Risk Q1 2018-19
Hispanic	1.54	1.52
Asian	0.51	0.36
Black	1.17	1.30
White	0.98	0.88
Two or more	0.98	1.18



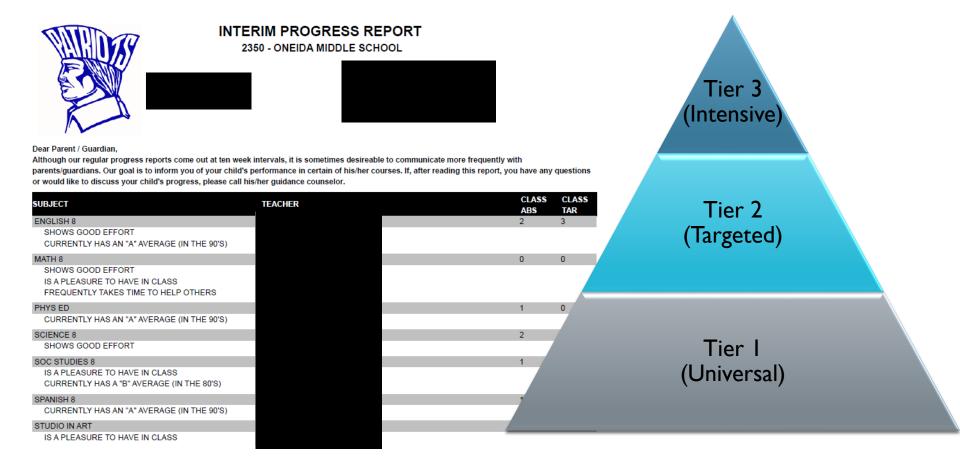


# PDSA in Action: Course P/F Oneida Attendance Zone Oneida MS & Schenectady HS

#### High School & Middle School Action Plans

#### Defining the Problem:

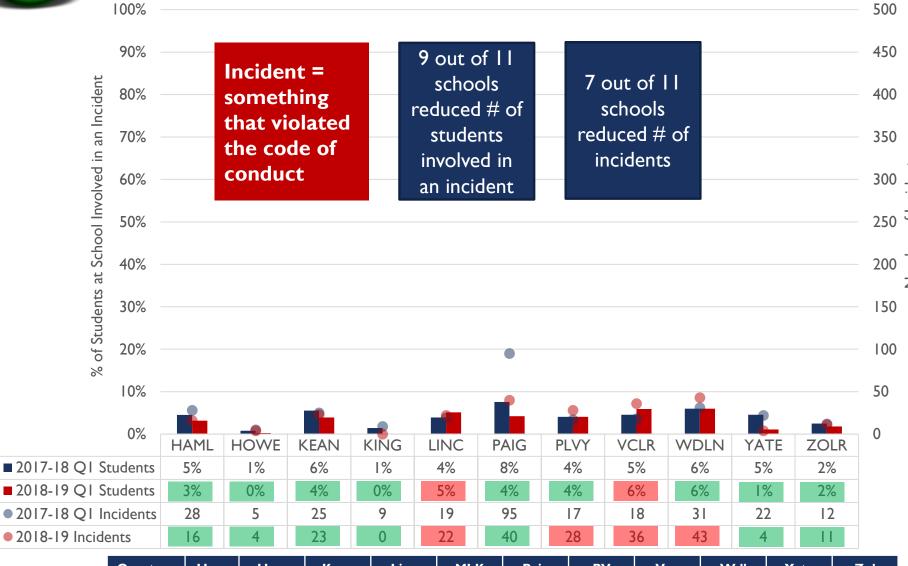
- The 5-week Interim Progress Report indicated that numerous students were at risk of course failure (grades < 65).
- Work recovery plans had not been put into place
- An increased focus was needed on Tier I Interventions and Goal Setting





### Quarter I Behavior Data

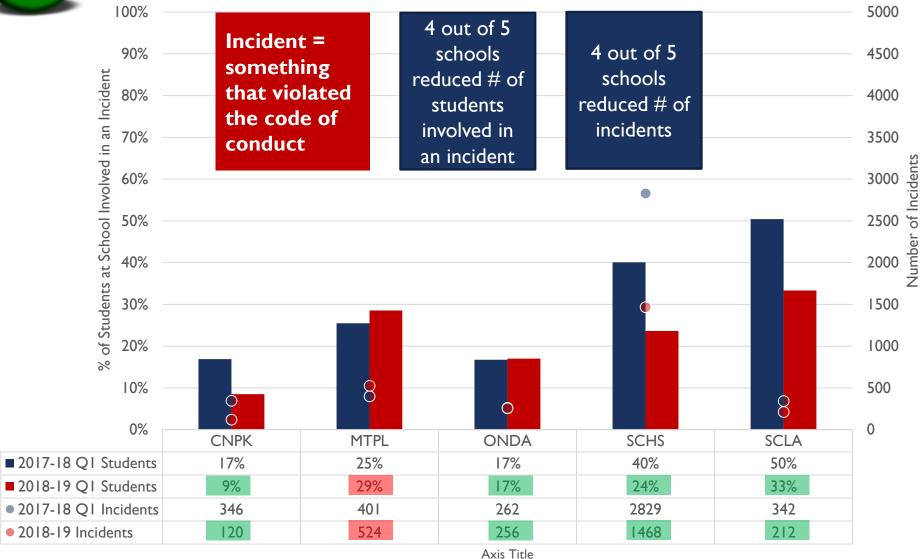
### % of Students (Unique) and # of Incidents, K-5 QI 2017-18 vs. QI 2018-19



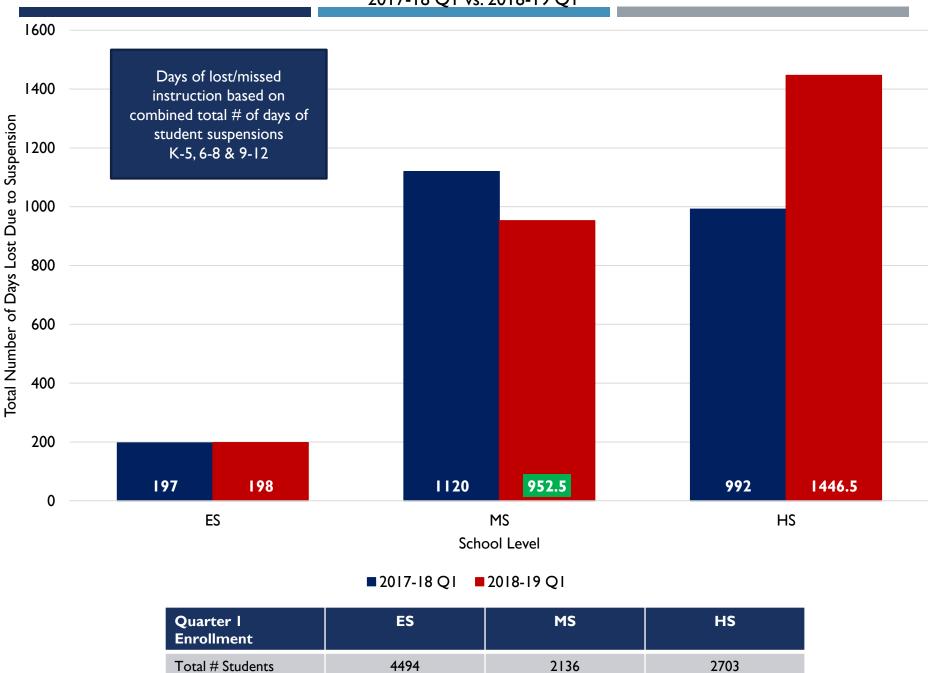
Quarter I	Ham	How	Kean	Linc	MLK	Paig	PV	Van	Wdl	Yate	Zol
Total	444	389	307	332	492	476	419	373	383	372	446

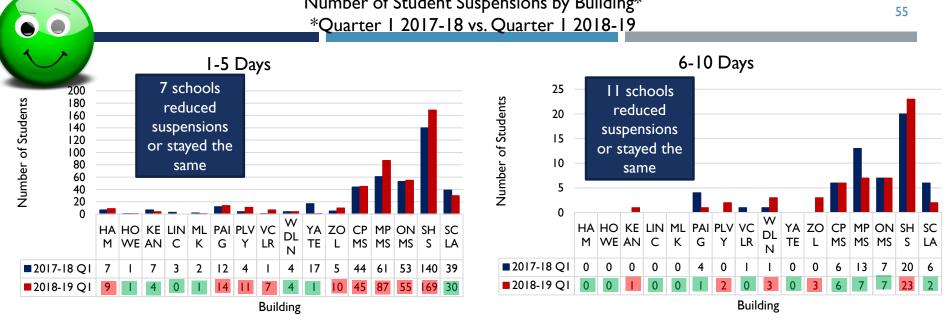
#### % of Students (Unique) Involved in an Incident, 6-12

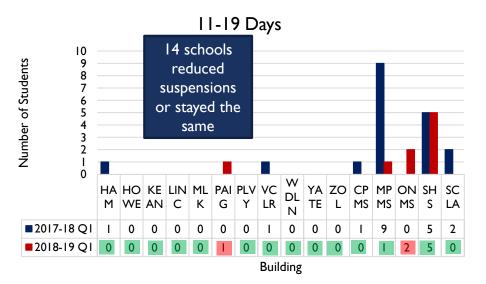
#### Q | 2017-18 vs. Q | 2018-19

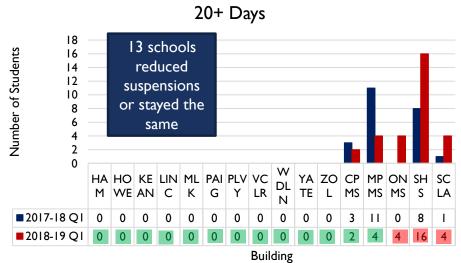


Quarter I	СР	MP	OMS	SHS	SCLA
Total	693	753	705	2410	240









Quarter I	Ham	How	Kean	Linc	MLK	Paig	PV	Van	Wdl	Yate	Zol	СР	MP	OMS	SHS	SCLA
Total	444	389	307	332	492	476	419	373	383	372	446	693	753	705	2410	240

### CALCULATING RELATIVE RISK

#### **Definition:**

The risk of a subgroup being suspended

compared to

The risk of all other students being suspended

#### **Relative Risk:**

Subgroup	Relative Risk 2017-18 QI	Relative Risk 2018-19 QI
Hispanic	1.11	0.96
Asian	0.13	0.20
Black	3.26	2.76
White	0.60	0.70
Two or more	0.36	0.59







# PDSA in Action: Behavior Oneida Attendance Zone Oneida Middle School

#### Middle School Action Plans

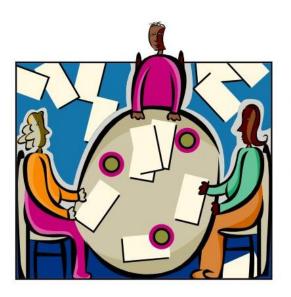
#### Defining the Problem:

- The first 2 months of the prior school year resulted in an elevated level of physical altercations
- Behavior was not being acted upon proactively





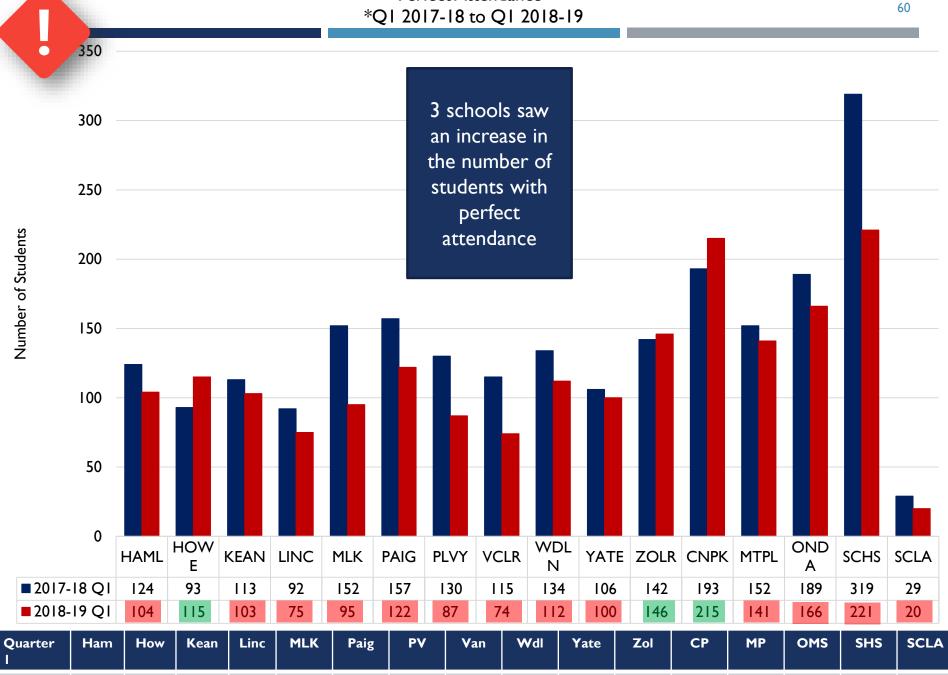
#### **Cultural Brokers**



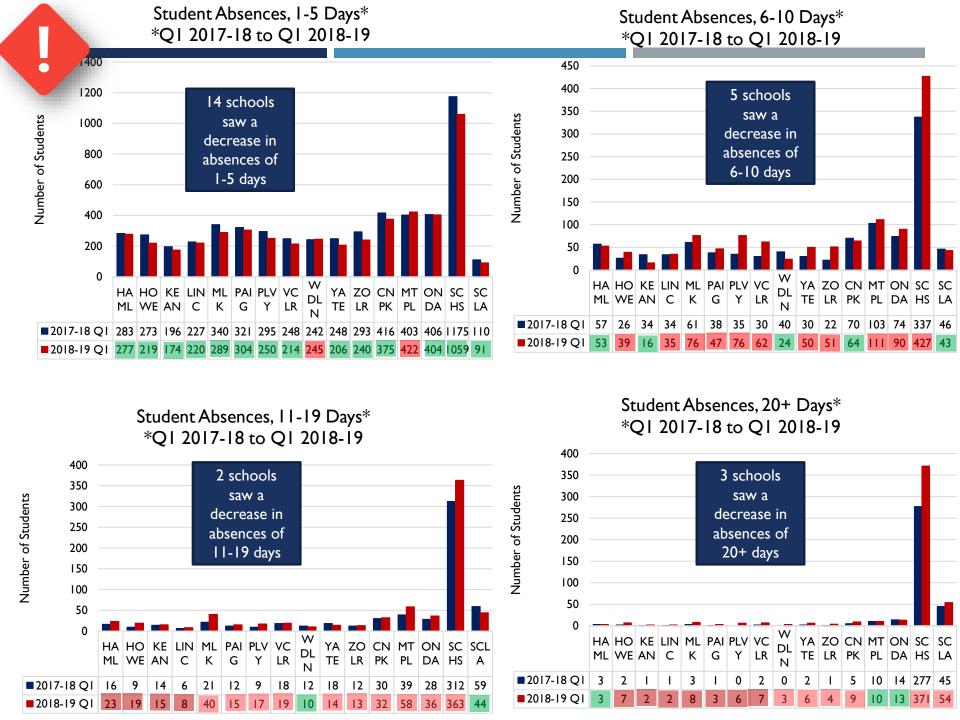
- Identify partners with legitimacy with families & targeted communities.
- Ensure partners are representative of the community.
- Develop reciprocal trusting relationships
  - Bring resources to the table
  - Demonstrate humility



## Quarter I Student Attendance Data



Quarter I	Ham	How	Kean	Linc	MLK	Paig	PV	Van	Wdl	Yate	Zol	СР	MP	OMS	SHS	SCLA
Total	444	389	307	332	492	476	419	373	383	372	446	693	753	705	2410	240

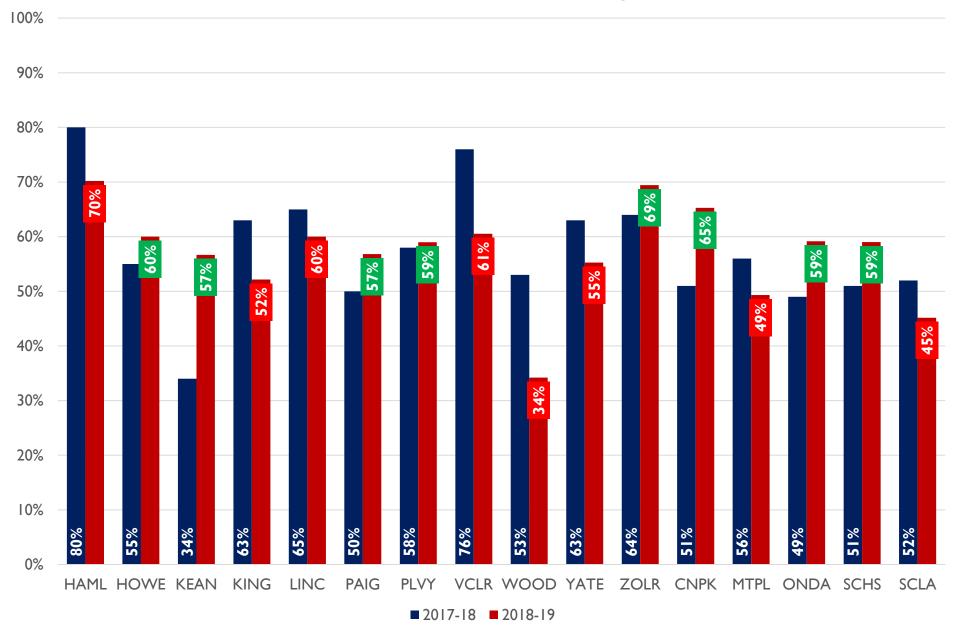




## Quarter I Teacher Attendance Data

#### % of Teachers with less than 2 Absences, by School







# PDSA in Action: Attendance Attendance Committee District-wide

- Attendance Committee
- Parent Portal
- Attendance Manual
- Attendance Intervention Plan
- Data Analysis & Target Setting

#### Tiered System of Supports For Improving Attendance







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#### THANK YOU! QUESTIONS?



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