STRAYER MIDDLE SCHOOL
DATA REPORT
JANUARY 2016

There are several purposes to sharing today's data report:
- To provide an update on data since the last meeting when PSSA data was shared in October.
- To gather questions and/or concerns related to academic performance.
- To provide a more global, district perspective in relation to your individual student's performance.

PSSA 2015

The next three slides are an overview of PSSA data that was shared in October.

PSSA GRADE 6 2015

ELA

School	Proficient %	Advanced %	Total % P/A
State	39.6	21.0	60.6
District	49.9	30.1	80.0
Strayer	49.3	31.3	80.6

MATH

School	Proficient %	Advanced %	Total % P/A
State	28.7	11.3	40.0
District	38.7	24.3	63.0
Strayer	40.1	20.9	61.0

Strayer's performance exceeded state performance for both ELA and Math for all 3 grades.

PSSA GRADE 7 2015

ELA

School	Proficient %	Advanced %	Total % P/A
State	41.9	16.7	58.6
District	45.4	27.5	72.9
Strayer	48.7	23.1	71.8

MATH

School	Proficient %	Advanced %	Total % P/A
State	23.6	9.5	33.1
District	32.4	13.8	46.2
Strayer	31.3	12.5	43.8

With the new cut scores established for the PSSAs in 2015, it is noteworthy that less than 10% of students statewide scored at the Advanced level in Math for both Grades 7 and 8 (next slide).

PSSA GRADE 8 2015

ELA

School	Proficient %	Advanced %	Total % P/A
State	43.6	14.3	57.9
District	56.0	23.9	79.9
Strayer	56.3	23.8	80.1

MATH

School	Proficient %	Advanced %	Total % P/A
State	22.0	7.9	29.9
District	39.8	15.8	55.6
Strayer	39.1	14.8	53.9

SCIENCE

School	Proficient %	Advanced %	Total % P/A
State	32.3	26.5	58.8
District	41.1	38.3	79.4
Strayer	43.6	36.2	79.8

Science performance is only measured at Grade 8 at the middle school level. We have consistently performed at high levels on the Science PSSA. This test did not change from previous years, unlike the ELA and Math PSSA tests.

**2013-2014 and 2014-2015 COMPARISON POINTS
STATE AND DISTRICT
GRADES 6-8 READING AND MATH PSSA**

Due to the change in PSSA cut scores and the actual PSSA assessment itself, it is helpful to measure our changes in performance against the state performance.

Grade 6 Reading 2014			Grade 6 ELA 2015			Gained 8
State	64.5		State	60.6		
District	72.0	+7.5	District	80.0	+19.4	

Grade 7 Reading 2014			Grade 7 ELA 2015			Lost 13
State	71.9		State	58.6		
District	85.9	+14.0	District	72.9	+14.3	

Grade 8 Reading 2014			Grade 8 ELA 2015			Lost 12.6
State	84.3		State	57.9		
District	92.5	+8.2	District	79.9	+22	

This slide focuses on our ELA performance from 2014 and 2015.
Grade 6 ELA actually had an increase despite the statewide decline. This is the one area in which we did see an increase in percent of proficient/advanced students. The consistent implementation of SpringBoard and its alignment to the PA Core Standards are contributing factors to this performance.

Grade 6 Math 2014			Grade 6 Math 2015			
State	71.7		State	40.0		
District	80.6	+8.9	District	63.0	+23.0	Lost 17.6

Grade 7 Math 2014			Grade 7 Math 2015			
State	75.0		State	33.1		
District	91.8	+16.8	District	46.2	+13.1	Lost 45.6

Grade 8 Math 2014			Grade 8 Math 2015			
State	73.1		State	29.9		
District	83.4	+10.3	District	55.6	+25.7	Lost 27.8

This slide focuses on our Math performance from 2014 and 2015. One of the biggest drops we saw was in Grade 7 Math performance. While all of the other drops were less than the State, we actually had a greater decline in the percent of proficient/advanced students (45.6%).

2015 NEIGHBORING DISTRICT BUILDING COMPARISONS

When the PSSA data was released, we looked at some of our neighboring districts to see how our performance compared.

GRADE 6 ELA 2015

Place	School/District	Score
1	Milford/Quakertown	84.5
2	New Hope Solebury	84.5
3	Pennridge North	83.3
4	Strayer/Quakertown	80.6
5	Pennridge Central	79
6	Pennridge South	74.5
7	Palisades MS	73.3
8	Klinger/Centennial	68.2

You will notice that we do not have any CB schools in the comparison chart because CB middle schools have a Grade 7-9 configuration. For consistency purposes, we then kept these same comparison schools for the other PSSA tested areas and grade levels.

GRADE 6 MATH 2015

Place	School/District	Score
1	Milford/Quakertown	70.4
2	New Hope Solebury	63.6
3	Strayer	61
4	Pennridge Central	59.5
5	Pennridge South	58.6
6	Pennridge North	56.4
7	Palisades MS	47.9
8	Klinger MS Centennial	40.1

GRADE 7 ELA 2015

Place	School/District	Score
1	Pennridge Central	81.0
2	Pennridge North	80.7
3	New Hope Solebury	80.1
4	Palisades MS	79.3
5	Milford	78.4
6	Strayer	71.8
7	Pennridge South	70.9
8	Klinger/Centennial	68.3

Grade 7 ELA was not quite as strong when compared across local schools.

GRADE 7 MATH 2015

Place	School/District	Score
1	New Hope Solebury	54.6
2	Milford	52.3
3	Pennridge North	47.7
4	Strayer	43.8
5	Palisades	41.5
5	Pennridge Central	41.5
7	Pennridge South	34.5
8	Klinger MS Centennial	34.4

We already noted our weaker performance in Grade 7 math, but this did not substantially affect our performance when compared to other local schools.

GRADE 8 ELA 2015

Place	School/District	Score
1	Pennridge North	82.1
2	Milford/Quakertown	81.4
3	Strayer/Quakertown	80.1
4	Pennridge Central	79.1
5	Palisades MS	74.7
6	New Hope Solebury	72.9
7	Pennridge South	67.2
8	Klinger MS/Centennial	53.0

Grade 8 ELA performance was quite strong, with the top performing schools in a very small range.

GRADE 8 MATH 2015

Place	School/District	Score
1	Milford	62
2	New Hope Solebury	57.6
3	Strayer	53.9
4	Pennridge Central	49.3
5	Pennridge North	43.3
6	Palisades	43
7	Pennridge South	37.7
8	Klinger MS/Centennial	26.6

Performance in Grade 8 Math was also relatively high as compared to other local schools.

DECEMBER 2015
NWEA DATA

Strayer students in Grade 6-8 took their second NWEA assessment of the year in December. The data that follows provides a global perspective of the building performance.

NWEA DATA – GRADE 6 MATH

MAP: Math 6+ PA 2013 (CCSS) / PA Common Core Mathematics PK-12: 2013

Summary	
Total Students With Valid Growth Test Scores	256
Mean RIT	227.4
Standard Deviation	12.9
District Grade Level Mean RIT	*
Students At or Above District Grade Level Mean RIT	*
Norm Grade Level Mean RIT	221
Students At or Above Norm Grade Level Mean RIT	188

	Lo %ile < 21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80		Mean RIT (+/- Smp Err)	Std Dev
Overall Performance	count	%	count	%	count	%	count	%	count	%		
MAP: Math 6+ PA 2013 (CCSS) / PA Common Core Mathematics PK-12: 2013	20	8%	33	13%	56	22%	67	26%	80	31%	227-227-228	12.9
Goal Area												
Numbers and Operations	18	7%	37	14%	38	15%	64	25%	99	39%	230-231-232	14.4
Algebraic Concepts	34	13%	44	17%	47	18%	83	32%	48	19%	224-225-226	13.5
Geometry	32	13%	40	16%	57	22%	71	28%	56	22%	225-226-227	13.4
Data and Probability	32	13%	39	15%	47	18%	76	30%	62	24%	226-227-228	14.7

When looking at the tables above, we want to see bars with more green (HiAvg) and Blue (Hi), placing our students in the 61st percentile and above.

Our Mean RIT in Grade 6 Math was a 227.4, while the Mean Grade Level RIT was 221. This is a national point of comparison.

For Grade 6 Math, Numbers and Operations is a strength with 64% of students performing at HiAvg or Hi.

Geometry and Data and Probability are not strengths yet – however, this content has not yet been taught in Grade 6 and we should see respectable gains in those areas by the final test administration later this school year.

By looking at this data in relation to an individual student's Progress Report, you will find some of the same information that is listed in this table within any student's report.

NWEA – GRADE 6 READING

MAP: Reading 6+ PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013

Summary	
Total Students With Valid Growth Test Scores	257
Mean RIT	219.5
Standard Deviation	11.6
District Grade Level Mean RIT	*
Students At or Above District Grade Level Mean RIT	*
Norm Grade Level Mean RIT	213.5
Students At or Above Norm Grade Level Mean RIT	188

Overall Performance		Lo %ile < 21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80		Mean RIT (+/- Smp Err)	Std Dev
		count	%	count	%	count	%	count	%	count	%		
MAP: Reading 6+ PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013		17	7%	29	11%	53	21%	86	33%	72	28%	219-219-220	11.6

Goal Area		count	%	count	%	count	%	count	%	count	%		
Reading Informational Text		24	9%	32	12%	56	22%	72	28%	73	28%	219-219-220	12.6
Reading Literature		22	9%	30	12%	60	23%	64	25%	81	32%	219-220-221	12.9
Vocabulary Acquisition and Use		20	8%	36	14%	64	25%	65	25%	72	28%	218-219-220	12.1

Grade 6 Reading is very consistent across Goal Areas. Overall, 61% of the students were at HiAvg and Hi performance levels.

Language Usage is a strength across grades 6-8. You can see that overall performance is 64% of students at HiAvg and Hi levels.

NWEA – GRADE 7 MATH

MAP: Math 6+ PA 2013 (CCSS) / PA Common Core Mathematics PK-12: 2013

Summary

Total Students With Valid Growth Test Scores	244
Mean RIT	230.6
Standard Deviation	13.1
District Grade Level Mean RIT	*
Students At or Above District Grade Level Mean RIT	*
Norm Grade Level Mean RIT	225.3
Students At or Above Norm Grade Level Mean RIT	174

	Lo %ile < 21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80		Mean RIT (+/- Smp Err)	Std Dev
	count	%	count	%	count	%	count	%	count	%		
Overall Performance												
MAP: Math 6+ PA 2013 (CCSS) / PA Common Core Mathematics PK-12: 2013	24	10%	26	11%	47	19%	82	34%	65	27%	230-231-231	13.1
Goal Area												
Numbers and Operations	35	14%	36	15%	48	20%	65	27%	60	25%	230-231-232	15.3
Algebraic Concepts	36	15%	42	17%	57	23%	71	29%	38	16%	228-229-230	14
Geometry	34	14%	37	15%	68	28%	71	29%	34	14%	229-230-231	13.4
Data and Probability	33	14%	29	12%	44	18%	74	30%	64	26%	231-232-233	14.8

For Math in Grades 7-8, students in Algebra 1 take a different assessment that is focused on the Algebra 1 Keystone exam. These students are not included in the data above. Despite this, we still have high levels of performance overall, with 61% of students at HiAvg and Hi performance.

NWEA – GRADE 7 READING

MAP: Reading 6+ PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013

Summary	
Total Students With Valid Growth Test Scores	286
Mean RIT	224.1
Standard Deviation	12.4
District Grade Level Mean RIT	*
Students At or Above District Grade Level Mean RIT	*
Norm Grade Level Mean RIT	216.4
Students At or Above Norm Grade Level Mean RIT	215

	Lo %ile < 21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80		Mean RIT (+/- Smp Err)	Std Dev
Overall Performance	count	%	count	%	count	%	count	%	count	%		
MAP: Reading 6+ PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013	16	6%	29	10%	48	17%	100	35%	93	33%	223-224-225	12.4
Goal Area												
Reading Informational Text	23	8%	41	14%	50	17%	75	26%	97	34%	223-224-225	13.8
Reading Literature	27	9%	33	12%	46	16%	82	29%	98	34%	224-225-225	14.1
Vocabulary Acquisition and Use	22	8%	42	15%	51	18%	86	30%	85	30%	223-224-224	12.6

The students in Grade 6 who had strong performance on the 2015 ELA PSSAs are showing continued high levels of performance on the Grade 7 Reading NWEA.

NWEA – GRADE 7 LANGUAGE USAGE

MAP: Language 2-12 PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013

Summary	
Total Students With Valid Growth Test Scores	287
Mean RIT	223.5
Standard Deviation	10.7
District Grade Level Mean RIT	*
Students At or Above District Grade Level Mean RIT	*
Norm Grade Level Mean RIT	216
Students At or Above Norm Grade Level Mean RIT	227

Overall Performance	Lo %ile < 21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80		Mean RIT (+/- Smp Err)	Std Dev
	count	%	count	%	count	%	count	%	count	%		
MAP: Language 2-12 PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013	12	4%	28	10%	48	17%	99	34%	100	35%	223-**224**-224	10.7

Goal Area												
Writing: Write, Revise Text for Purposes, Audiences	22	8%	26	9%	52	18%	75	26%	112	39%	224-**225**-226	13
Language: Understand, Edit for Grammar, Usage	16	6%	52	18%	63	22%	76	26%	80	28%	222-**222**-223	11.4
Language: Understand, Edit Mechanics	15	5%	36	13%	56	20%	81	28%	99	34%	223-**223**-224	10.9

Language Usage continues to be a strength in Grade 7, with 69% of students at HiAvg and Hi levels of performance.

NWEA – GRADE 8 MATH

MAP: Math 6+ PA 2013 (CCSS) / PA Common Core Mathematics PK-12: 2013

Summary

Total Students With Valid Growth Test Scores	232
Mean RIT	230.7
Standard Deviation	13.1
District Grade Level Mean RIT	*
Students At or Above District Grade Level Mean RIT	*
Norm Grade Level Mean RIT	228.5
Students At or Above Norm Grade Level Mean RIT	142

	Lo %ile <21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80		Mean RIT (+/- Smp Err)	Std Dev
	count	%	count	%	count	%	count	%	count	%		
Overall Performance												
MAP: Math 6+ PA 2013 (CCSS) / PA Common Core Mathematics PK-12: 2013	25	11%	39	17%	63	27%	73	31%	32	14%	230-231-232	13.1
Goal Area												
Numbers and Operations	50	22%	57	25%	57	25%	43	19%	25	11%	229-230-231	14.8
Algebraic Concepts	47	20%	39	17%	66	28%	59	25%	21	9%	230-231-232	14.1
Geometry	43	19%	69	30%	52	22%	52	22%	16	7%	228-229-230	13
Data and Probability	36	16%	41	18%	58	25%	62	27%	35	15%	232-233-234	15.7

A more significant number of students in Grade 8 Math are not included in these numbers due to taking Algebra 1. The Mean RIT for Grade 8 – despite the highest performing students not being included – is still higher than the Norm Grade Level Mean RIT.

NWEA – GRADE 8 READING

MAP: Reading 6+ PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013

Summary

Total Students With Valid Growth Test Scores	303
Mean RIT	224.7
Standard Deviation	13.6
District Grade Level Mean RIT	*
Students At or Above District Grade Level Mean RIT	*
Norm Grade Level Mean RIT	218.7
Students At or Above Norm Grade Level Mean RIT	216

Overall Performance	Lo %ile < 21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80		Mean RIT (+/- Smp Err)	Std Dev
	count	%	count	%	count	%	count	%	count	%		
MAP: Reading 6+ PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013	29	10%	24	8%	61	20%	92	30%	97	32%	224-225-225	13.6

Goal Area												
Reading Informational Text	39	13%	43	14%	59	19%	78	26%	84	28%	224-225-226	14.6
Reading Literature	43	14%	40	13%	62	20%	71	23%	87	29%	224-225-225	14.9
Vocabulary Acquisition and Use	38	13%	42	14%	74	24%	75	25%	74	24%	224-225-226	14.2

Grade 8 Reading is strong, with 62% of students at HiAvg and Hi levels of performance.

NWEA – GRADE 8 LANGUAGE USAGE

MAP: Language 2-12 PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013

Summary	
Total Students With Valid Growth Test Scores	302
Mean RIT	223.9
Standard Deviation	12.7
District Grade Level Mean RIT	*
Students At or Above District Grade Level Mean RIT	*
Norm Grade Level Mean RIT	217.7
Students At or Above Norm Grade Level Mean RIT	218

Overall Performance	Lo %ile < 21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80		Mean RIT (+/- Smp Err)	Std Dev
	count	%	count	%	count	%	count	%	count	%		
MAP: Language 2-12 PA 2013 (CCSS) / PA Common Core English Language Arts PK-12: 2013	28	9%	38	13%	52	17%	85	28%	99	33%	223-224-225	12.7

| Goal Area												
Writing: Write, Revise Text for Purposes, Audiences	46	15%	28	9%	41	14%	80	26%	107	35%	224-225-226	14.5
Language: Understand, Edit for Grammar, Usage	47	16%	50	17%	61	20%	65	22%	79	26%	222-223-223	13.1
Language: Understand, Edit Mechanics	39	13%	50	17%	59	20%	69	23%	85	28%	223-224-224	13.1

We see the same generally high performance in Language Usage continue for students in Grade 8.

SEPTEMBER 2015
CLASSROOM DIAGNOSTIC TOOLS
ALGEBRA 1 KEYSTONE DATA

The Classroom Diagnostic Tools (CDT) data is useful for teachers as they are preparing students for the Algebra 1 Keystone exam. It is taken in September and again in January. Teachers may opt to give it to students one more time in March if more data is needed to support their success.

CDT ALGEBRA 1 DATA (SAMPLE)
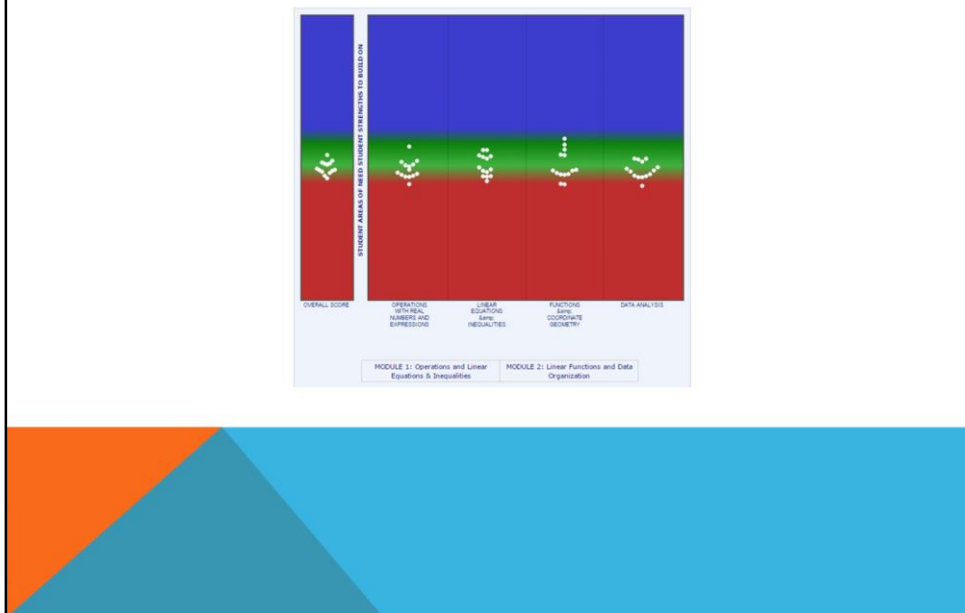
This is a sample of what a teacher is able to see in order to analyze students' progress. Each of the white dots represents a student.   If a student is on the cusp of the Red/Green line, they still have skills that are in need of development. Students who are in the Green and Blue areas have strengths that need continued growth. Blue doesn't translate into Advanced performance, however, it does help us note students who are showing more strengths in certain areas of the test content. Teachers use this data, and will expect to see movement of all of the white dots into more Green and Blue areas by the time they take the test (the week of January 4-8).

**ACTION PLAN
FOR IMPROVEMENT**

Some of these action steps were shared in October. Others have been added based on the expanding efforts to meet every student's needs for support.

ACTION PLAN FOR IMPROVEMENT

- Implementation of new <u>Reading</u> class in Grade 6 for all, Grade 7 for all but highest readers, and Grade 8 for students not reading on grade level
- Implementation of Membeam Program for building vocabulary skills (MS & HS)

Last year, we had a combined RELA course that all students took. This year, we now have a separate Reading course and an ELA course.

ACTION PLAN FOR IMPROVEMENT

- Part-time Learning Facilitator completely devoted to MS math support (planning, implementation, data analysis, etc.)
- Implementation of a process to ensure that each student's IEP needs are followed with fidelity
- Supervision of READ 180 implementation fidelity

These strategies are ongoing throughout the year and their success will be analyzed using different types of program data – common assessments, progress monitoring, and program data to name a few.

ACTION PLAN FOR IMPROVEMENT

- Individual student success plans created for students who are earning below a C in all classes
- Strategic use of resource time to support students in need
- Flexibility and enrichment during resource time for high-achieving students

These steps are building specific strategies to enhance performance and utilize building resources and time.