

2016 District and School Performance Results

**October 5, 2016
Education Committee Meeting**

2015-16 Accountability Data

PSSA/PASA

Keystone Exams

School Performance Profiles

2015-16 PSSA and PASA Results

Public school students in Pennsylvania take annual assessments in English Language Arts, Mathematics, and Science.

Grades 3-8: PSSA/PASA
Mathematics
English Language Arts
Science (Gr. 4 and 8 only)
High School: Keystone Exams
Algebra 1
Literature
Biology

PSSA: Pennsylvania System of School Assessment; most students take these exams

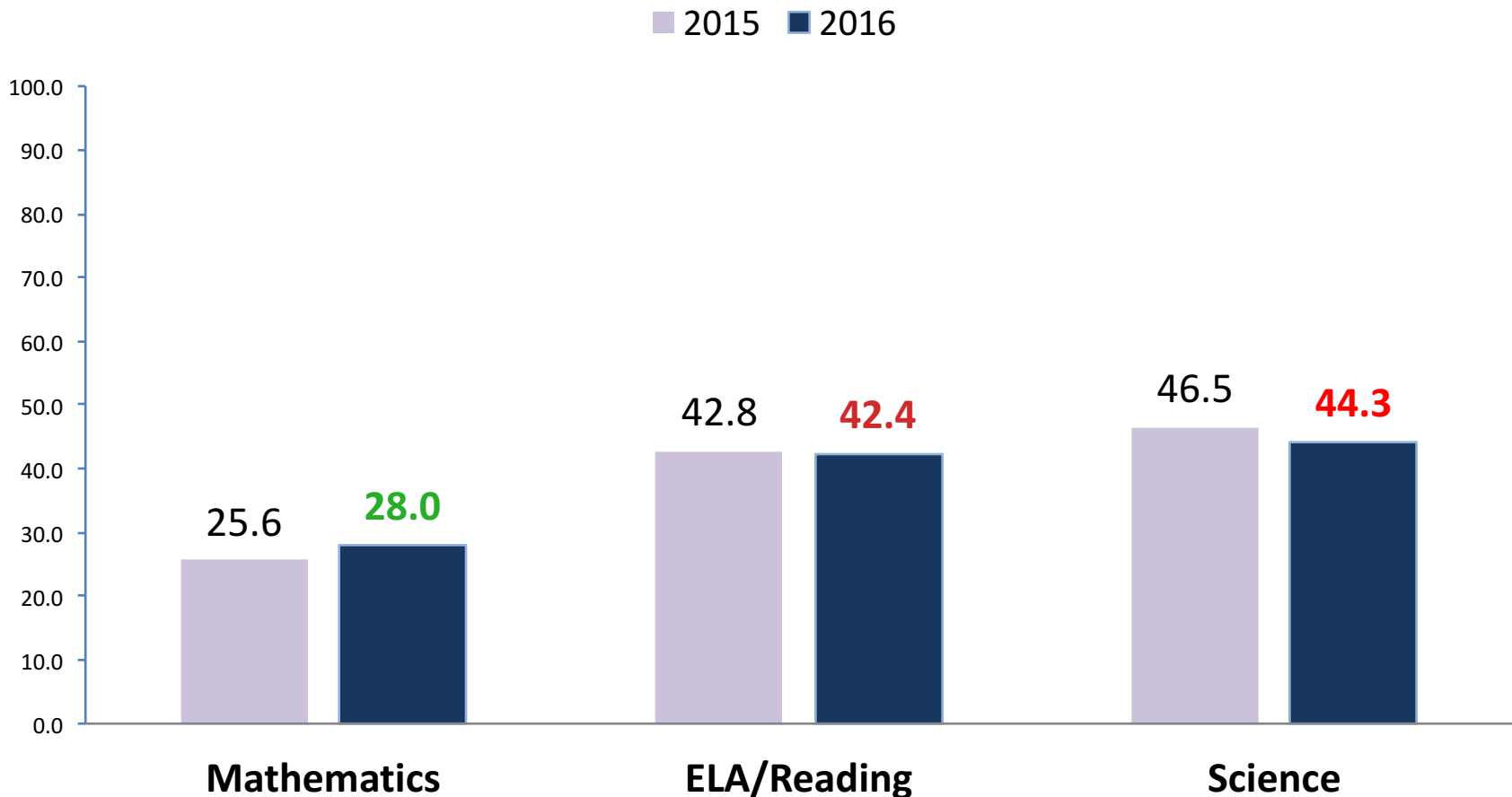
PASA: Pennsylvania Alternate System of Assessment; these are for students with severe cognitive disabilities

PSSA Reminders

- 2016 was the second year that the PSSA was aligned to PA Core
- The new PSSA tests standards that require deeper knowledge, stronger problem solving and critical thinking skills.
- The new PSSA includes more rigorous definitions of Advanced, Proficient, Basic and Below Basic performance levels.
- Students take exams in English Language Arts instead of separate reading and writing exams.
- 2014-15 PSSA is the benchmark to measure student academic achievement. We now have 2 years of data on the new PSSA.

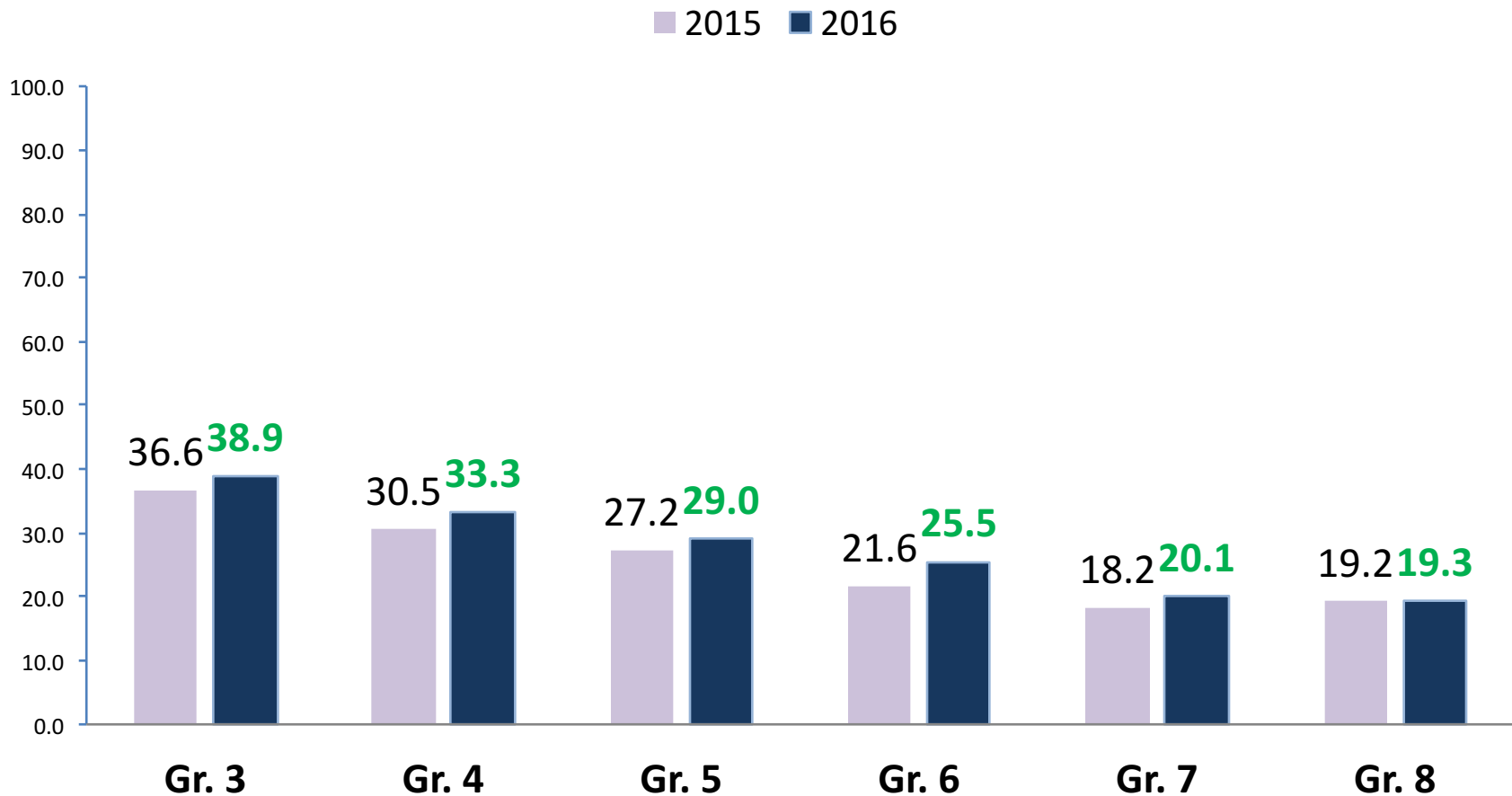
Combined results for 2016 show similar performance from last year in all three tested areas, with small increases in math.

**District Accountability - Percent of Proficient and Advanced Students
PSSA/PASA: Grades 3 to 8 Combined**



In Mathematics, there were small increases at each grade level.

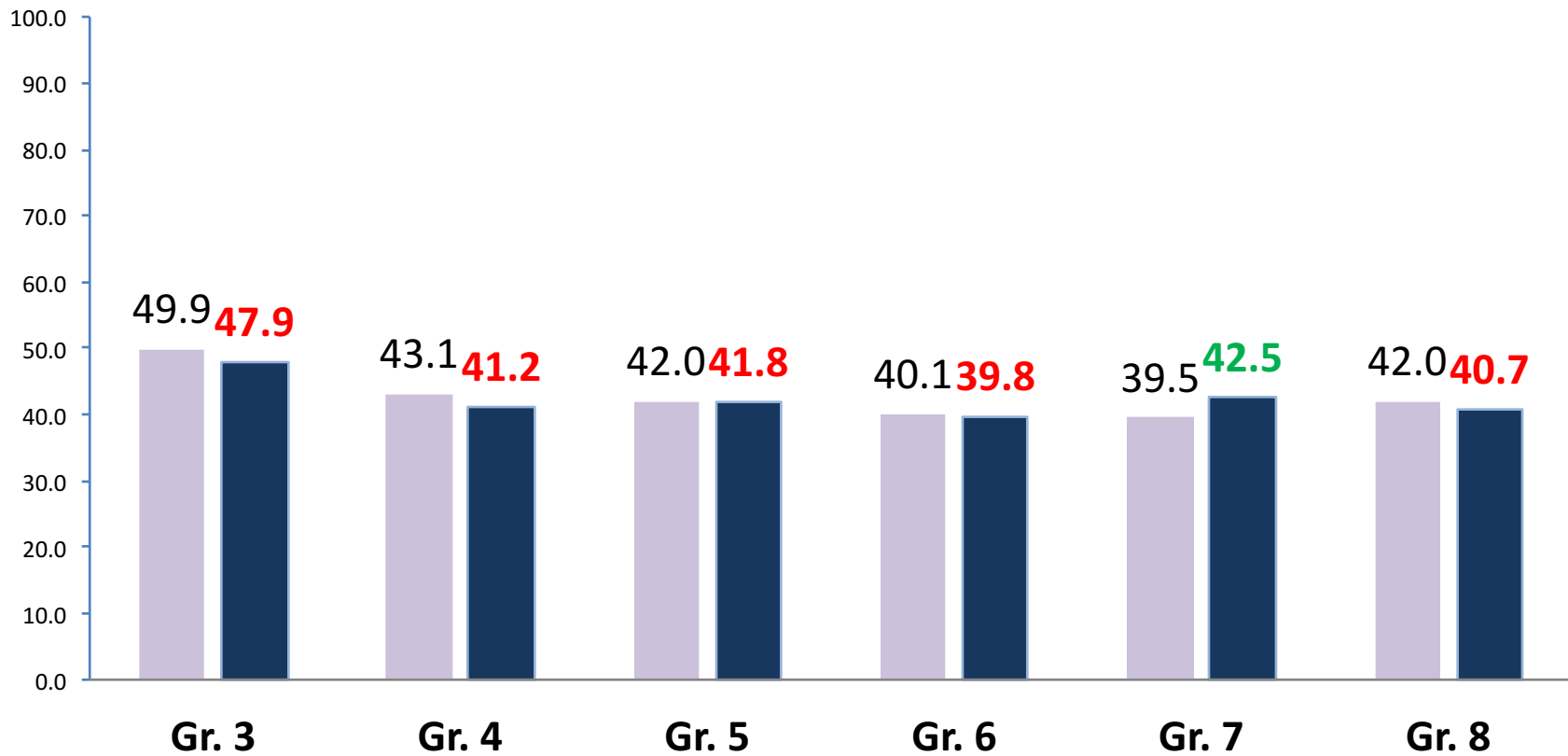
District Accountability - Percent of Proficient and Advanced Students PSSA/PASA: Grades 3 to 8 Mathematics



In English Language Arts, most grades showed very small decreases.

District Accountability - Percent of Proficient and Advanced Students PSSA/PASA: Grades 3 to 8 ELA/Reading

2015 2016

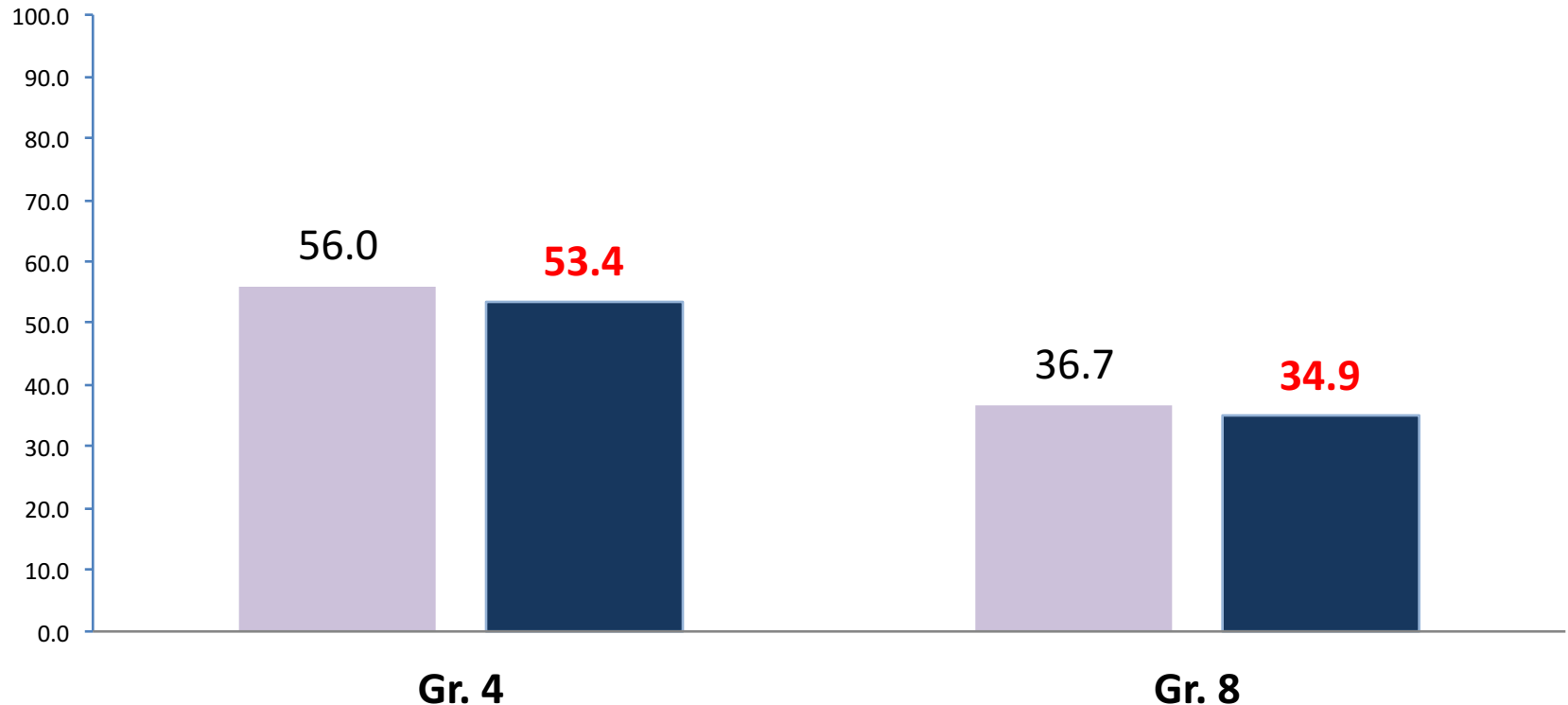


In Science, there were small decreases in student performance at both tested grades.

District Accountability - Percent of Proficient and Advanced Students

PSSA/PASA: Grades 4 and 8 Science

■ 2015 ■ 2016



Mathematics Results

All

African-American

White

Students with an IEP

Students with English as a Second Language

In both the District and the state, all grade levels increased in Mathematics, with the largest increase in Grade 6. In Grades 4, 5, and 6 our increases were higher than state level increases.

**PSSA and PASA Results
Mathematics: All Students**

	Pittsburgh Public			Pennsylvania		
	2014-15 %P+A	2015-16 %P+A	Change	2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	36.6	38.9	2.3	48.4	54.4	6.0
Gr. 4	30.5	33.3	2.8	44.6	46.6	2.0
Gr. 5	27.2	29.0	1.8	43.0	44.4	1.4
Gr. 6	21.6	25.5	3.9	40.0	41.1	1.1
Gr. 7	18.2	20.1	1.9	33.1	37.0	3.9
Gr. 8	19.2	19.3	0.1	29.9	31.2	1.3
Overall	25.6	28.0	2.4	39.8	42.5	2.7

*Full Academic Year students, Includes PSSA and PASA
Data source: 2015/16 PDE Accountability File and PDE emails

African-American student performance increased in 5 of 6 grades for both the District and the state. In some grades, our students are outperforming state results.

**PSSA and PASA Results
Mathematics: African-American Students**

	Pittsburgh Public			Pennsylvania		
	2014-15 %P+A	2015-16 %P+A	Change	2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	<u>22.0</u>	<u>25.3</u>	3.3	19.6	23.1	3.5
Gr. 4	<u>16.9</u>	<u>17.9</u>	1.0	16.5	17.1	.6
Gr. 5	<u>15.7</u>	15.2	-.5	14.8	15.5	.7
Gr. 6	12.0	14.3	2.3	13.6	14.3	.7
Gr. 7	8.7	9.7	1.0	10.9	11.7	.8
Gr. 8	8.7	8.9	.2	10.0	9.8	-.2
Overall	14.1	15.5	1.4	14.2	15.3	1.1

*Full Academic Year students, Includes PSSA and PASA
Data source: 2015/16 PDE Accountability File and PDE emails

White student performance increased in 5 of 6 grades for the District and all grades for the state. The largest District increases were in grades 4 and 6.

**PSSA and PASA Results in
Mathematics: White Students**

	Pittsburgh Public			Pennsylvania		
	2014-15 %P+A	2015-16 %P+A	Change	2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	<u>58.8</u>	60.0	1.2	57.6	64.2	6.6
Gr. 4	51.2	<u>55.9</u>	4.7	53.0	55.6	2.6
Gr. 5	45.7	49.4	3.7	50.9	53.1	2.2
Gr. 6	37.0	41.8	4.8	47.4	49.0	1.6
Gr. 7	33.4	36.5	3.1	39.0	43.7	4.7
Gr. 8	34.7	33.9	-.8	34.9	36.8	1.9
Overall	43.3	46.2	2.9	46.9	50.2	3.3

*Full Academic Year students, Includes PSSA and PASA
Data source: 2015/16 PDE Accountability File and PDE emails

For students with IEPs, the overall increase was the same as the state. District performance increased in 3 grade levels, the same as the state.

**PSSA and PASA Results
Mathematics: Students with IEPs**

	Pittsburgh Public			Pennsylvania		
	2014-15 %P+A	2015-16 %P+A	Change	2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	19.1	25.5	6.4	25.4	28.4	3
Gr. 4	19.9	17.5	-2.4	21.6	22.0	0.4
Gr. 5	16.1	12.7	-3.4	18.0	17.9	-0.1
Gr. 6	15.0	<u>16.2</u>	1.2	15.4	14.2	-1.2
Gr. 7	<u>10.4</u>	9.1	-1.3	9.8	9.9	0.1
Gr. 8	7.9	<u>9.9</u>	2.0	8.6	8.1	-0.5
Overall	14.9	15.2	.3	16.5	16.8	.3

*Full Academic Year students, Includes PSSA and PASA
Data source: 2015/16 PDE Accountability File and PDE emails

In Mathematics, District students with English as a Second Language showed improvement at most grade levels, while the state had more decreases.

PSSA and PASA Results

Mathematics: ESL Students

Pittsburgh Public

Pennsylvania

	2014-15 %P+A	2015-16 %P+A	Change		2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	15.8	16.7	0.9		16.7	20.5	3.8
Gr. 4	<u>17.1</u>	3.4	-13.7		10.9	9.7	-1.2
Gr. 5	5.3	<u>9.1</u>	<u>3.8</u>		7.0	7.6	0.6
Gr. 6	0	<u>8.1</u>	<u>8.1</u>		6.5	5.8	-0.7
Gr. 7	0	2.6	<u>2.6</u>		4.4	3.9	-0.5
Gr. 8	0	<u>12.5</u>	<u>12.5</u>		4.1	4.0	-0.1
Overall	6.4	9.3	<u>2.9</u>		9.1	9.6	.5

English Language Arts Results

All

African-American

White

Students with an IEP

Students with English as a Second Language

In English Language Arts, grade 7 showed an increase, while there were small decreases in other District grades.

**PSSA and PASA Results in
English Language Arts: All Students**

	Pittsburgh Public			Pennsylvania		
	2014-15 %P+A	2015-16 %P+A	Change	2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	49.9	47.9	-2.0	61.9	60.9	-1.0
Gr. 4	43.1	41.2	-1.9	58.6	58.7	0.1
Gr. 5	42.0	41.8	-0.2	61.7	61.5	-0.2
Gr. 6	40.1	39.8	-0.3	60.6	61.7	1.1
Gr. 7	39.5	42.5	3.0	58.6	61.5	2.9
Gr. 8	42.0	40.7	-1.3	57.9	58.4	0.5
Overall	42.8	42.4	-0.4	59.9	60.5	0.6

*Full Academic Year students, Includes PSSA and PASA
Data source: 2015/16 PDE Accountability File and PDE emails

For African-American students in the District, there were decreases in grades 3 through 5 and increases in grades 6 through 8.

**PSSA and PASA Results in
English Language Arts: African-American Students**

Pittsburgh Public

Pennsylvania

	2014-15 %P+A	2015-16 %P+A	Change		2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	37.0	34.3	<u>-2.7</u>		37.5	33.6	-3.9
Gr. 4	30.1	28.0	-2.1		32.0	31.4	-0.6
Gr. 5	31.3	28.2	-3.1		34.3	32.5	-1.8
Gr. 6	27.8	28.6	.8		32.5	34.5	2
Gr. 7	28.9	30.7	<u>1.8</u>		32.7	33.4	0.7
Gr. 8	29.9	30.1	<u>.2</u>		33.3	33.0	-0.3
Overall	30.9	30.0	<u>-.9</u>		33.7	33.1	-.6

*Full Academic Year students, Includes PSSA and PASA
Data source: 2015/16 PDE Accountability File and PDE emails

For White students, there were increases in 2 grades and decreases in 4 grades.

PSSA and PASA Results in English Language Arts: White Students

	Pittsburgh Public			Pennsylvania		
	2014-15 %P+A	2015-16 %P+A	Change	2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	69.1	68.1	-1.0	70.2	70.0	-0.2
Gr. 4	64.2	60.4	-3.8	67.1	67.3	0.2
Gr. 5	58.0	62.6	4.6	70.0	70.4	0.4
Gr. 6	58.2	56.6	-1.6	68.8	69.4	0.6
Gr. 7	56.0	60.2	4.2	66.1	69.4	3.3
Gr. 8	59.4	57.4	-2.0	65.1	65.5	0.4
Overall	60.8	60.9	.1	67.8	68.7	.9

*Full Academic Year students, Includes PSSA and PASA
Data source: 2015/16 PDE Accountability File and PDE emails

Students with IEPS showed increases in 3 of the 6 grade levels, with decreases in the others.

PSSA and PASA Results in English Language Arts: Students with IEPs

Pittsburgh Public
Pennsylvania

	2014-15 %P+A	2015-16 %P+A	Change		2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	26.9	27.7	<u>.8</u>		30.5	29.0	-1.5
Gr. 4	23.8	18.1	-5.7		26.3	26.0	-0.3
Gr. 5	18.2	18.9	<u>.7</u>		25.4	24.8	-0.6
Gr. 6	18.9	17.0	-1.9		23.6	23.2	-0.4
Gr. 7	16.4	18.0	<u>1.6</u>		20.9	22.4	1.5
Gr. 8	16.4	15.2	-1.2		20.1	19.9	-0.2
Overall	20.1	19.1	-1.0		24.5	24.2	-0.3

In English Language Arts, District students with English as a Second Language showed improvements in 4 grade levels.

PSSA and PASA Results

English Language Arts: ESL Students

Pittsburgh Public

Pennsylvania

	2014-15 %P+A	2015-16 %P+A	Change		2014-15 %P+A	2015-16 %P+A	Change
Gr. 3	10.5	12.5	<u>2</u>		21.4	20.7	-0.7
Gr. 4	8.6	3.6	-5		11.1	11.5	0.4
Gr. 5	7.7	<u>12.5</u>	<u>4.8</u>		10.3	8.8	-1.5
Gr. 6	0	<u>11.4</u>	<u>11.4</u>		7.8	9.2	1.4
Gr. 7	5.1	2.6	-2.5		8.4	7.7	-0.7
Gr. 8	<u>7.4</u>	<u>7.7</u>	0.3		2.7	5.1	2.4
Overall	6.7	8.6	1.9		11.3	11.3	0

Science Results

All

African-American

White

Students with an IEP

Students with English as a Second Language

In Science, there were small decreases at both the District and state level.

**PSSA and PASA Results in
Science: All Students**

	Pittsburgh Public				Pennsylvania			
	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change
Gr. 4	55.8	56.0	53.4	-2.6	78.8	77.1	76.2	-.9
Gr. 8	35.1	36.7	34.9	-1.8	60.5	58.8	57.7	-1.1
4 & 8	45.4	46.5	44.3	-2.2	69.5	67.8	67.0	-.8

African-American students showed decreases in Science at both the District and state level.

PSSA and PASA Results in Science: African-American Students

	Pittsburgh Public				Pennsylvania			
	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change
Gr. 4	45.1	43.0	38.7	-4.3	51.0	50.1	47.5	-2.6
Gr. 8	20.6	21.8	20.9	<u>-.9</u>	28.7	27.8	26.4	-1.4
4 & 8	32.7	32.7	30.0	-2.7	39.6	38.9	37.0	-1.9

White students showed decreases in Science at both the District and state level.

PSSA and PASA Results in Science: White Students

Pittsburgh Public

Pennsylvania

	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change		2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change
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Gr. 4	73.7	77.1	76.2	-.9		87.4	85.8	85.1	-.7
Gr. 8	56.3	59.9	56.8	-3.1		69.7	68.1	66.9	-1.2
4 & 8	64.9	68.4	66.3	-2.1		78.3	76.6	75.8	-.8

Students with IEPs showed decreases in Science at both the District and state level.

PSSA and PASA Results in Science: Students with IEPs

	Pittsburgh Public				Pennsylvania			
	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change
Gr. 4	30.0	35.5	26.3	-9.3	54.3	52.4	51.0	-1.4
Gr. 8	13.0	18.8	17.9	-.9	25.8	24.7	24.1	-.6
4 & 8	22.0	27.6	22.3	-5.3	40.2	38.7	38.1	-.6

In Science, at both the District and State level, there were increases in Grade 4 and decreases in Grade 8 for students with English as a Second Language.

**PSSA and PASA Results in
Science: ESL Students
(English as a Second Language)**

	Pittsburgh Public				Pennsylvania			
	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change
Gr. 4	19.2	21.3	27.6	6.3	30.2	30.5	31.1	.6
Gr. 8	13.5	6.3	2.5	-3.8	8.0	7.5	7.3	-.2
4 & 8	16.3	13.7	13.0	-.7	19.9	20.1	20.7	.6

In general, at each grade level there are fewer than 50 ESL students in the District who take these exams.

Keystone Results

All

African-American

White

Students with an IEP

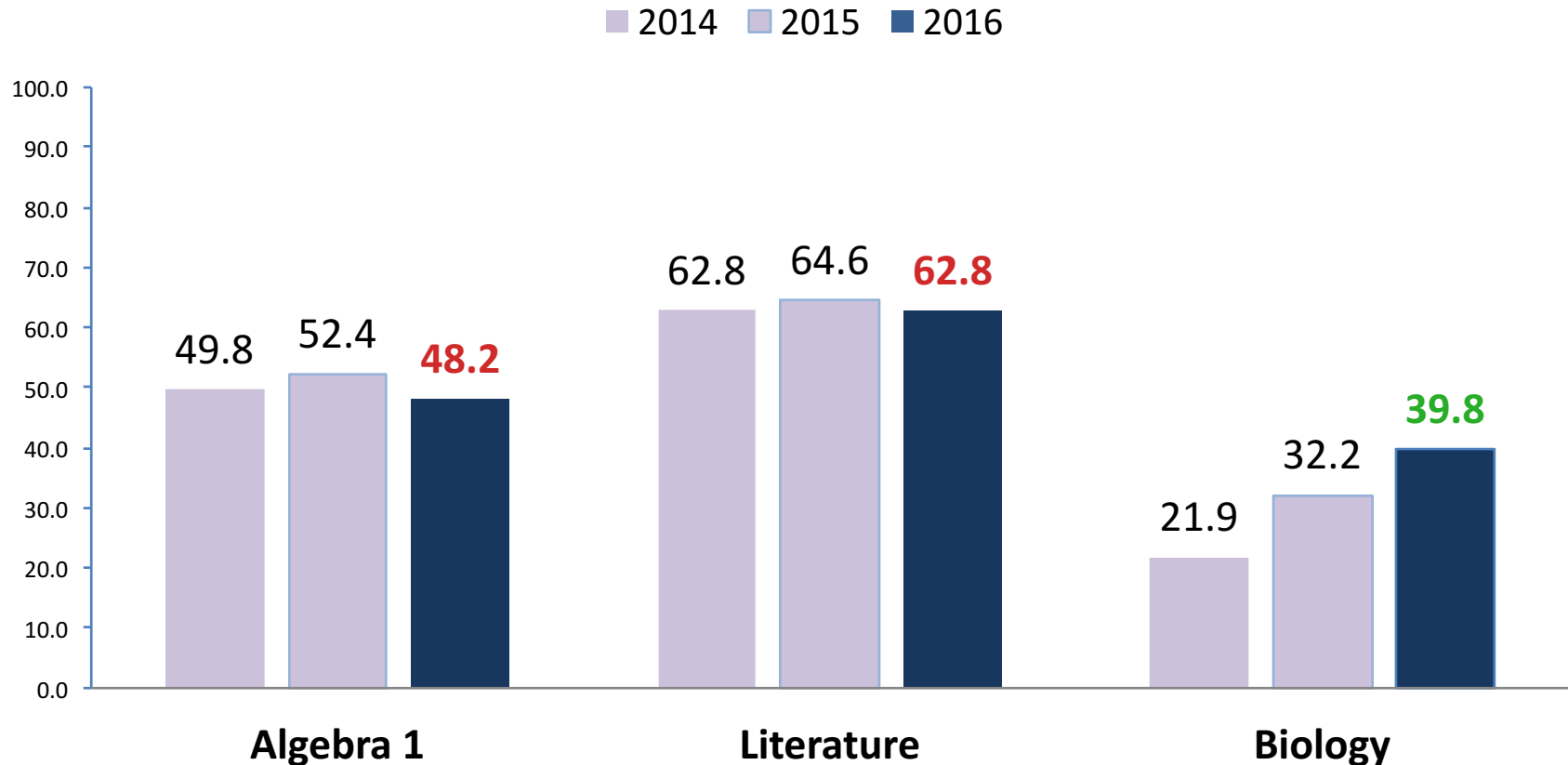
Students with English as a Second Language

Keystone Reminders

- Keystone Exams are given in Algebra 1, Literature and Biology.
- The exams are mainly for high school students, although students who take algebra in lower grades also take the test.
- Keystone exams are end of course exams in key content areas and are generally taken in the Spring.
- Students can re-take the exams multiple times, or demonstrate content proficiency in other ways.
- For performance accountability purposes, scores are reported for students as of Grade 11. Students who pass an exam in an earlier grade have their scores banked until they are in Grade 11.

After 2 years of improvement, Algebra 1 and Literature showed decreases in proficiency this year, while Biology continued to show increases.

**District Accountability - Percent of Proficient and Advanced Students
Keystone Exams, as of Grade 11**



The District showed increases only in Biology, while at the state level there were increases for all 3 Keystone exams.

Keystone Exams: All Students

	Pittsburgh Public				Pennsylvania			
	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change
Algebra 1	51.2	52.4	48.2	-4.2	2014 not available	64.5	68.2	3.7
Literature	63.8	64.6	62.8	-1.8		72.8	76.8	4.0
Biology	23.4	32.2	39.8	7.6		59.0	65.7	6.7

Both African-American and White students showed decreases in Algebra 1 and Literature, and increases in Biology. The decreases were higher for African-American students.

**Keystone Exams:
PPS African-American and White Students**

	Pittsburgh Public AA Students				Pittsburgh Public W Students			
	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change
Algebra 1	34.9	40.6	32.1	-8.5	71.1	72.9	68.3	-4.6
Literature	49.7	56.5	49.2	-7.3	81.9	82.1	81.0	-1.1
Biology	7.7	18.0	22.7	4.7	41.1	53.8	60.4	6.6

The state does not provide state-level Keystone accountability results by ethnicity.

On Keystone Exams, there were decreases in Algebra 1 and increases in Literature and Biology for both District students who have an IEP and those who are ESL.






**Keystone Exams:
PPS IEP and ESL Students**

	Pittsburgh Public Students with an IEP				Pittsburgh Public ESL Students			
	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change	2013-14 %P+A	2014-15 %P+A	2015-16 %P+A	Change
Algebra 1	10.3	14.2	11.6	-2.6	10.5	16.7	0	-16.7
Literature	16.5	19.4	22.1	2.7	7.9	3.8	3.8	0
Biology	5.1	6.0	10.2	4.2	0	0	0	0

- The number of Gr. 11 ESL students is small – during these three testing years, the count ranged from 37 to 54 students.
- The state does not provide state-level Keystone accountability results specifically for students with an IEP or students who are ESL.

2016 School Performance Profiles

School Performance Profiles (SPP): Each year, schools across the state receive a SPP score that is based on multiple research-based indicators of effective schools.

	90-100
	80-89
	70-79
	60-69
	below 60

The overall SPP score, as well as scores for each indicator, can be found on the state website at paschoolperformance.org.

School Performance Profile scores are based on key indicators of effective schools; the specific indicators depend on the grade levels offered in the building.

1. Academic Achievement	40%	PSSA/PASA exams, Keystone Exams, Grade 3 ELA results, Industry Competency Exams (e.g., NOCTI), SAT/ACT College Readiness
2. Closing the Achievement Gap <ul style="list-style-type: none"> • All Students • Historically-Underperforming Students (ED, ELL, and IEP) 	5% 5%	Progress towards 100% proficiency based on PSSA/PASA and Keystone exams
3. Academic Growth (PVAAS)	40%	Student growth on PSSA/PASA and Keystones
4. Other Academic Indicators	10%	Cohort Graduation Rate, Promotion (from one grade to the next), Student Attendance, AP/IB course offerings, PSAT/Plan participation
5. Extra Credit		Advanced performance on PSSA/PASA, Keystones, Industry Competency Exams, or AP/IB exams

The 2016 SPP indicators are more rigorous this year, resulting in lower scores in many schools.

- The SPP relies primarily on PSSA/PASA and Keystone exam for measures of performance, progress and growth – around 90%.
- In 2015, only schools with Grade 11 Keystone results received an SPP score, because of the change to the PA Core PSSA.
- In 2016, all schools received an SPP score, but PSSA performance will be based on a more rigorous exam.
- In 2016, schools with Keystone exams will have a higher bar to meet in order to demonstrate closing the achievement gap.
- The state is currently revising the SPP model. It will have less emphasis on PSSA/PASA and Keystone exams and more emphasis on other indicators of effective schools.

2016 School Performance Profile Scores

Score Range	#	Schools
90 to 100	0	
80 to 89	1	Science and Technology Academy 6-12
70 to 79	3	Beechwood K-5, CAPA 6-12, Concord K-5
60 to 69	13	Allerdice 9-12, Arsenal 6-8, Banksville K-5, Brookline K-8, Carmalt K-8, Carrick 9-12, Colfax K-8, Dilworth K-5, Fulton K-5, Greenfield K-8, Montessori K-8, Sunnyside K-8, Whittier K-5
Below 60	34	Allegheny K-5, Allegheny 6-8, Arsenal K-5, Arlington K-8, Brashear 9-12, Classical 6-8, Faison K-5, Grandview K-5, King K-8, Langley K-8, Liberty K-5, Lincoln K-5, Linden K-5, Manchester K-8, Mifflin K-8, Miller K-5, Milliones 6-12, Minadeo K-5, Morrow K-8, Obama 6-12, Online Academy, Perry 9-12, Phillips K-5, Roosevelt K-5, Schiller 6-8, South Brook 6-8, South Hills 6-8, Spring Hill K-5, Sterrett 6-8, Weil K-5, West Liberty K-5, Westwood K-5, Woolslair K-5, Westinghouse 6-12