

**PARCC RESULTS:  
SPRING 2015 AND SPRING 2016  
ADMINISTRATIONS**

**PARSIPPANY-TROY HILLS  
OCTOBER 2016**

Measuring  
College and  
Career  
Readiness

# NEW JERSEY'S STATEWIDE ASSESSMENT PROGRAM

- 2016 marks the 2<sup>nd</sup> administration of the Partnership for Assessment of Readiness for College and Careers (PARCC) and the first opportunity to compare year-to-year and cohort results as the following slides will show.
- Students took PARCC English Language Arts and Literacy Assessments (ELA/L) in grades 3 – 11.
- Students took PARCC Mathematics Assessments in grades 3 – 8 and End of Course Assessments in Algebra I, Geometry, and Algebra II.

# PARCC PERFORMANCE LEVELS

- **Level 1: Not yet meeting grade-level expectations**
- **Level 2: Partially meeting grade-level expectations**
- **Level 3: Approaching grade-level expectations**
- **Level 4: Meeting grade-level expectations**
- **Level 5: Exceeding grade-level expectations**

# COMPARISON OF NEW JERSEY'S SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS ENGLISH LANGUAGE ARTS/LITERACY

	Not Yet Meeting Expectations (Level 1)		Partially Meeting Expectations (Level 2)		Approaching Expectations (Level 3)		Meeting Expectations (Level 4)		Exceeding Expectations (Level 5)		% Change in Level 1 and Level 2	% Change in Level 4 and Level 5 (College and Career Ready)
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016		
Grade 3	15.1%	13.5%	17.8%	16.0%	23.7%	23.0%	38.6%	41.3%	4.9%	6.2%	↓ 3.4%	↑ 4.1%
Grade 4	7.8%	8.2%	14.5%	13.5%	26.6%	24.8%	39.4%	40.8%	11.7%	12.7%	↓ 0.6%	↑ 2.4%
Grade 5	7.2%	6.7%	15.1%	14.7%	26.1%	25.3%	45.1%	46.4%	6.4%	6.9%	↓ 0.9%	↑ 1.7%
Grade 6	7.9%	7.5%	15.5%	14.1%	27.8%	26.2%	39.7%	41.3%	9.1%	11.0%	↓ 1.9%	↑ 3.5%
Grade 7	10.8%	9.5%	14.5%	12.5%	23.1%	21.6%	33.9%	35.6%	17.7%	20.7%	↓ 3.3%	↑ 4.7%
Grade 8	11.5%	10.1%	14.6%	13.0%	22.3%	21.7%	39.1%	40.7%	12.5%	14.5%	↓ 3.0%	↑ 3.6%
Grade 9	17.6%	12.9%	19.0%	15.0%	23.6%	23.1%	30.3%	35.8%	9.5%	13.2%	↓ 8.7%	↑ 9.2%
Grade 10	25.3%	20.9%	17.7%	14.2%	20.3%	20.4%	25.6%	31.0%	11.0%	13.4%	↓ 7.8%	↑ 7.7%
Grade 11*	16.7%	18.5%	18.7%	18.1%	23.5%	23.3%	30.1%	31.7%	10.9%	8.4%	↑ 1.1%	↓ 0.9%

\*Grade 11 does not include students who took an AP/IB test.

Notes: Data shown is preliminary. Percentages may not total 100 due to rounding.

# COMPARISON OF NEW JERSEY'S SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS MATHEMATICS

	Not Yet Meeting Expectations (Level 1)		Partially Meeting Expectations (Level 2)		Approaching Expectations (Level 3)		Meeting Expectations (Level 4)		Exceeding Expectations (Level 5)		% Change in Level 1 and Level 2	% Change in Level 4 and Level 5 (College and Career Ready)
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016		
Grade 3	8.3%	<b>8.1%</b>	18.5%	<b>15.9%</b>	28.3%	<b>24.3%</b>	36.9%	<b>39.0%</b>	8.0%	<b>12.7%</b>	↓ 2.8%	↑ 6.8%
Grade 4	7.2%	<b>8.0%</b>	21.9%	<b>18.6%</b>	30.3%	<b>26.8%</b>	36.3%	<b>41.2%</b>	4.3%	<b>5.4%</b>	↓ 2.5%	↑ 5.9%
Grade 5	6.1%	<b>6.2%</b>	20.7%	<b>18.3%</b>	32.1%	<b>28.2%</b>	34.9%	<b>38.4%</b>	6.1%	<b>8.8%</b>	↓ 2.3%	↑ 6.2%
Grade 6	7.6%	<b>8.9%</b>	21.4%	<b>19.1%</b>	30.2%	<b>29.1%</b>	34.8%	<b>35.6%</b>	6.0%	<b>7.3%</b>	↓ 1.0%	↑ 2.2%
Grade 7	7.7%	<b>9.0%</b>	22.3%	<b>20.1%</b>	33.3%	<b>32.3%</b>	33.0%	<b>33.5%</b>	3.8%	<b>5.2%</b>	↓ 0.9%	↑ 1.9%
Grade 8*	21.9%	<b>21.5%</b>	26.2%	<b>25.3%</b>	28.4%	<b>27.5%</b>	23.0%	<b>24.9%</b>	0.5%	<b>0.7%</b>	↓ 1.3%	↑ 2.1%
Algebra I	13.8%	<b>12.8%</b>	25.3%	<b>21.3%</b>	25.0%	<b>24.8%</b>	32.9%	<b>37.3%</b>	3.1%	<b>3.9%</b>	↓ 5.0%	↑ 5.2%
Geometry	12.4%	<b>10.5%</b>	35.6%	<b>31.1%</b>	29.7%	<b>31.4%</b>	19.5%	<b>23.2%</b>	2.9%	<b>3.8%</b>	↓ 6.3%	↑ 4.6%
Algebra II	31.7%	<b>33.5%</b>	24.5%	<b>22.6%</b>	19.9%	<b>18.8%</b>	22.3%	<b>22.7%</b>	1.6%	<b>2.4%</b>	↓ 0.1%	↑ 1.1%

\*Approximately 30,000 New Jersey students in grade 8 participated in the PARCC Algebra I assessment. Thus, PARCC Math 8 outcomes are not representative of grade 8 performance as a whole.

Notes: Data shown is preliminary. Percentages may not total 100 due to rounding.

## COMPARISON OF NEW JERSEY STUDENTS TESTED SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS ENGLISH LANGUAGE ARTS/LITERACY

	Students Tested		Year to Year Increase
	2016	2015	
Grade 3	99,045	95,227	3,818
Grade 4	96,823	93,769	3,054
Grade 5	95,760	94,599	1,161
Grade 6	96,896	92,578	4,318
Grade 7	95,979	90,227	5,752
Grade 8	94,266	88,421	5,845
Grade 9	93,830	81,574	12,256
Grade 10	84,903	71,659	13,244
Grade 11*	68,862	61,768	7,094
<b>TOTAL</b>	<b>826,364</b>	<b>769,822</b>	<b>56,542</b>

\*Grade 11 does not include students who took an AP/IB test.

Note: Data shown is preliminary. "Students Tested" represents individual valid test scores for English Language Arts/Literacy.

## COMPARISON OF NEW JERSEY STUDENTS TESTED SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS MATHEMATICS

	Students Tested		Year to Year Increase
	2016	2015	
Grade 3	99,846	95,932	3,914
Grade 4	97,620	94,484	3,136
Grade 5	96,449	95,293	1,156
Grade 6	97,546	93,128	4,418
Grade 7	93,114	87,300	5,814
Grade 8*	60,768	58,078	2,690
Algebra I	106,118	91,740	14,378
Geometry	84,589	71,137	13,452
Algebra II	74,643	58,026	16,617
<b>TOTAL</b>	<b>810,693</b>	<b>745,118</b>	<b>65,575</b>

\*Approximately 30,000 New Jersey students in grade 8 participated in the PARCC Algebra I assessment in place of the 8<sup>th</sup> grade Math assessment.

Notes: Data shown is preliminary. "Students Tested" represents individual valid test scores for Mathematics.

# COMPARISON OF **PARSIPPANY-TROY HILLS'** SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS ENGLISH LANGUAGE ARTS/LITERACY

	Not Yet Meeting Expectations (Level 1)		Partially Meeting Expectations (Level 2)		Approaching Expectations (Level 3)		Meeting Expectations (Level 4)		Exceeding Expectations (Level 5)	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Grade 3	7%	4%	11%	11%	22%	24%	50%	51%	10%	9%
Grade 4	3%	3%	7%	7%	17%	20%	53%	51%	19%	18%
Grade 5	2%	2%	8%	6%	20%	21%	58%	60%	12%	11%
Grade 6	1%	3%	8%	7%	25%	19%	49%	51%	17%	20%
Grade 7	3%	2%	8%	9%	18%	15%	40%	35%	31%	39%
Grade 8	4%	3%	8%	7%	17%	15%	50%	43%	22%	32%
Grade 9	8%	4%	11%	8%	19%	21%	43%	47%	19%	19%
Grade 10	12%	18%	11%	12%	18%	18%	37%	35%	23%	17%
Grade 11*	6%	22%	7%	16%	13%	23%	38%	27%	35%	12%

\*Grade 11 does not include students who took an AP/IB test.

Notes: Percentages may not total 100 due to rounding.



# COMPARISON OF **PARSIPPANY-TROY HILLS'** SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS MATHEMATICS

	Not Yet Meeting Expectations (Level 1)		Partially Meeting Expectations (Level 2)		Approaching Expectations (Level 3)		Meeting Expectations (Level 4)		Exceeding Expectations (Level 5)	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Grade 3	2%	2%	9%	5%	22%	16%	51%	54%	16%	24%
Grade 4	2%	2%	10%	11%	23%	23%	56%	56%	9%	9%
Grade 5	2%	2%	8%	8%	25%	21%	49%	50%	16%	20%
Grade 6	2%	3%	11%	10%	27%	25%	50%	49%	11%	14%
Grade 7	1%	3%	12%	15%	31%	26%	44%	43%	13%	13%
Grade 8*	9%	8%	20%	17%	34%	27%	37%	48%	1%	1%
Algebra I	8%	6%	17%	10%	23%	24%	46%	49%	6%	11%
Geometry	15%	9%	16%	21%	22%	31%	40%	34%	7%	6%
Algebra II	6%	27%	22%	15%	39%	22%	28%	30%	5%	5%

\*Some students in grade 8 participated in the PARCC Algebra I assessment in place of the 8<sup>th</sup> grade Math assessment. Thus, PARCC Math 8 outcomes are not representative of grade 8 performance as a whole.

Notes: Percentages may not total 100 due to rounding.

# COMPARISON OF **PARSIPPANY-TROY HILLS'** 2015-2016 SPRING PARCC ADMINISTRATIONS ENGLISH LANGUAGE ARTS/LITERACY

	% Change in Level 1 and Level 2				% Change in Level 4 and Level 5			
	PARSIPPANY-TROY HILLS		State		PARSIPPANY-TROY HILLS		State	
Grade 3	↓	3%	↓	3.4%		0%	↑	4.1%
Grade 4		0%	↓	0.6%	↓	3%	↑	2.4%
Grade 5	↓	2%	↓	0.9%	↑	1%	↑	1.7%
Grade 6	↑	1%	↓	1.9%	↑	5%	↑	3.5%
Grade 7		0%	↓	3.3%	↑	3%	↑	4.7%
Grade 8		0%	↓	3.0%	↑	3%	↑	3.6%
Grade 9	↓	7%	↓	8.7%	↑	5%	↑	9.2%
Grade 10	↑	7%	↓	7.8%	↓	8%	↑	7.7%
Grade 11*	↑	25%	↑	1.1%	↓	33%	↓	0.9%

\*Grade 11 does not include students who took an AP/IB test.

Notes: Percentages may not total 100 due to rounding.

- An up arrow indicates an increase of the % change from the previous year where a down arrow shows a decrease of the % change from the previous year.

# COMPARISON OF **PARSIPPANY-TROY HILLS'** 2015-2016 SPRING PARCC ADMINISTRATIONS MATHEMATICS

	% Change in Level 1 and Level 2				% Change in Level 4 and Level 5			
	PARSIPPANY-TROY HILLS		State		PARSIPPANY-TROY HILLS		State	
Grade 3	↓	4%	↓	2.8%	↑	11%	↑	6.8%
Grade 4	↑	1%	↓	2.5%	↑	0%	↑	5.9%
Grade 5	↑	0%	↓	2.3%	↑	5%	↑	6.2%
Grade 6	↑	0%	↓	1.0%	↑	2%	↑	2.2%
Grade 7	↑	5%	↓	0.9%	↓	1%	↑	1.9%
Grade 8	↓	4%	↓	1.3%	↑	10%	↑	2.1%
Algebra I*	↓	9%	↓	5.0%	↑	8%	↑	5.2%
Geometry	↑	1%	↓	6.3%	↑	7%	↑	4.6%
Algebra II	↓	14%	↓	0.1%	↓	2%	↑	1.1%

\*Some students in grade 8 participated in the PARCC Algebra I assessment in place of the 8<sup>th</sup> grade Math assessment. Thus, PARCC Math 8 outcomes are not representative of grade 8 performance as a whole.

Notes: Data shown is preliminary. Percentages may not total 100 due to rounding.

- An up arrow indicates an increase of the % change from the previous year where a down arrow shows a decrease of the % change from the previous year.

**COMPARISON OF PARSIPPANY-TROY HILLS'  
COHORTS TESTED  
SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS  
ENGLISH LANGUAGE ARTS / LITERACY**

2015-2016 Cohort	% Students Meeting and/or Exceeding Expectations		Year to Year Difference
	2015	2016	
Grade 3 – 4	60	70	+10
Grade 4 – 5	72	71	-1
Grade 5 – 6	70	71	+1
Grade 6 – 7	67	73	+6
Grade 7 – 8	71	75	+4
Grade 8 – 9	72	67	-5
Grade 9 – 10	63	52	-11
Grade 10 – 11	60	39	+4
<b>TOTAL CHANGE</b>			<b>+8</b>

**COMPARISON OF PARSIPPANY-TROY HILLS'  
COHORTS TESTED  
SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS  
MATHEMATICS**

2015-2016 Cohort	% Students Meeting and/or Exceeding Expectations		Year to Year Difference
	2015	2016	
Grade 3 – 4	67	64	-3
Grade 4 – 5	65	70	+5
Grade 5 – 6	65	62	-3
Grade 6 – 7	61	56	-5
Grade 7 – 8	37	49	+12
Grade 7 – Algebra I	98	99	+1
Grade 8 – Algebra I	37	42	+5
Algebra I – Geometry	50	41	-9
Geometry – Algebra II	37	36	-1
<b>TOTAL CHANGE</b>			<b>+2</b>

**COMPARISON OF PARSIPPANY-TROY HILLS'  
STUDENTS TESTED  
SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS  
ENGLISH LANGUAGE ARTS/LITERACY**

	Students Tested		Difference
	2015	2016	
Grade 3	529	500	-29
Grade 4	527	530	+3
Grade 5	524	531	+7
Grade 6	520	538	+18
Grade 7	513	521	+8
Grade 8	481	514	+33
Grade 9	413	468	+55
Grade 10	417	450	+33
Grade 11*	374	411	+37
<b>TOTAL</b>	<b>4298</b>	<b>4463</b>	<b>+165</b>

\*Grade 11 does not include students who took an AP/IB test.

Note: "Students Tested" represents individual valid test scores for English Language Arts/Literacy.

**COMPARISON OF PARSIPPANY-TROY HILLS'  
STUDENTS TESTED  
SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS  
MATHEMATICS**

	Students Tested		Year to Year Increase
	2015	2016	
Grade 3	535	503	-32
Grade 4	531	535	+4
Grade 5	531	535	+4
Grade 6	522	545	+23
Grade 7	514	523	+9
Grade 8*	301	353	+52
Algebra I	489	494	+5
Geometry	366	400	+34
Algebra II	366	396	+30
<b>TOTAL</b>	<b>4155</b>	<b>4284</b>	<b>+129</b>

\*Some students in grade 8 participated in the PARCC Algebra I assessment in place of the 8<sup>th</sup> grade Math assessment. Thus, PARCC Math 8 outcomes are not representative of grade 8 performance as a whole.

Notes: "Students Tested" represents individual valid test scores for Mathematics.

# COMPARISONS OF SPRING PARCC AND NAEP RESULTS GRADE 4 ELA/L AND MATH GRADE 8 ELA/L

2016 PARSIPPANY-TROY HILLS	69%
2015 PARSIPPANY-TROY HILLS	72%
2016 NJ PARCC ELA/L Grade 4	54%
2015 NJ PARCC ELA/L Grade 4	51%
2015 NAEP Reading Grade 4*	43%

2016 PARSIPPANY-TROY HILLS	65%
2015 PARSIPPANY-TROY HILLS	65%
2016 NJ PARCC Math Grade 4	47%
2015 NJ PARCC Math Grade 4	41%
2015 NAEP Math Grade 4*	47%

2016 PARSIPPANY-TROY HILLS	75%
2015 PARSIPPANY-TROY HILLS	72%
2016 NJ PARCC ELA/L Grade 8	55%
2015 NJ PARCC ELA/L Grade 8	52%
2015 NAEP Reading Grade 8*	41%

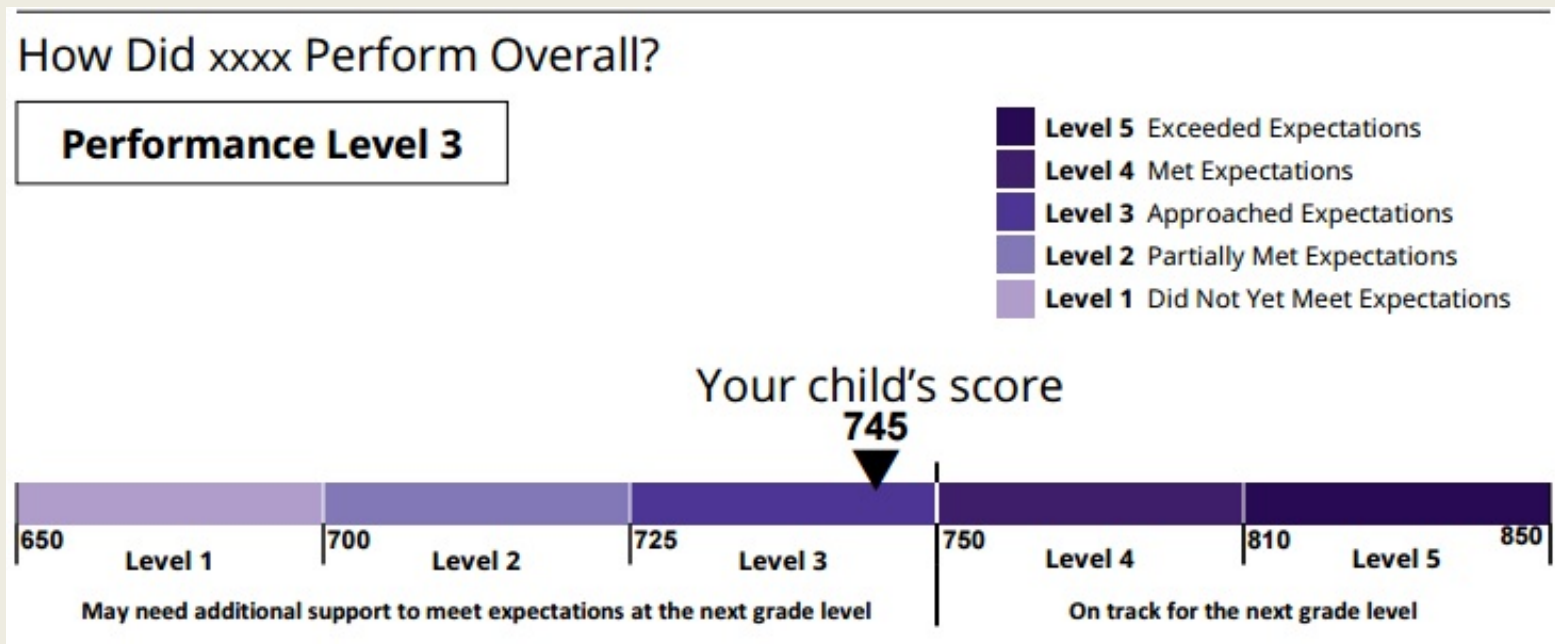
\*Reflects National Average Scores

NAEP: National Assessment of Educational Progress: <https://nces.ed.gov/nationsreportcard/>



# RESOURCES FOR PARENTS

- Information on the new 2015-16 PARCC Student Reports: [www.state.nj.us/education/assessment/parcc/scores/](http://www.state.nj.us/education/assessment/parcc/scores/)
- Understanding the student score reports (with translations): [understandthescore.org/](http://understandthescore.org/)



Sample report

# QUESTIONS TO GUIDE PARCC DATA REFLECTION

- How will we use PARCC data to identify strengths and gaps that exist in our curriculum and instruction?
- How will we use PARCC data as a tool to address areas in need of improvement or enhancement?
- How can we provide additional resources and support for our educators to meet the learning needs of all our students?