

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

**BOUND BROOK SCHOOL DISTRICT  
SEPTEMBER 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 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%	<b>13.5%</b>	17.8%	<b>16.0%</b>	23.7%	<b>23.0%</b>	38.6%	<b>41.3%</b>	4.9%	<b>6.2%</b>	↓ 3.4%	↑ 4.1%
Grade 4	7.8%	<b>8.2%</b>	14.5%	<b>13.5%</b>	26.6%	<b>24.8%</b>	39.4%	<b>40.8%</b>	11.7%	<b>12.7%</b>	↓ 0.6%	↑ 2.4%
Grade 5	7.2%	<b>6.7%</b>	15.1%	<b>14.7%</b>	26.1%	<b>25.3%</b>	45.1%	<b>46.4%</b>	6.4%	<b>6.9%</b>	↓ 0.9%	↑ 1.7%
Grade 6	7.9%	<b>7.5%</b>	15.5%	<b>14.1%</b>	27.8%	<b>26.2%</b>	39.7%	<b>41.3%</b>	9.1%	<b>11.0%</b>	↓ 1.9%	↑ 3.5%
Grade 7	10.8%	<b>9.5%</b>	14.5%	<b>12.5%</b>	23.1%	<b>21.6%</b>	33.9%	<b>35.6%</b>	17.7%	<b>20.7%</b>	↓ 3.3%	↑ 4.7%
Grade 8	11.5%	<b>10.1%</b>	14.6%	<b>13.0%</b>	22.3%	<b>21.7%</b>	39.1%	<b>40.7%</b>	12.5%	<b>14.5%</b>	↓ 3.0%	↑ 3.6%
Grade 9	17.6%	<b>12.9%</b>	19.0%	<b>15.0%</b>	23.6%	<b>23.1%</b>	30.3%	<b>35.8%</b>	9.5%	<b>13.2%</b>	↓ 8.7%	↑ 9.2%
Grade 10	25.3%	<b>20.9%</b>	17.7%	<b>14.2%</b>	20.3%	<b>20.4%</b>	25.6%	<b>31.0%</b>	11.0%	<b>13.4%</b>	↓ 7.8%	↑ 7.7%
Grade 11*	16.7%	<b>18.5%</b>	18.7%	<b>18.1%</b>	23.5%	<b>23.3%</b>	30.1%	<b>31.7%</b>	10.9%	<b>8.4%</b>	↑ 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%	8.1%	18.5%	15.9%	28.3%	24.3%	36.9%	39.0%	8.0%	12.7%	↓ 2.8%	↑ 6.8%
Grade 4	7.2%	8.0%	21.9%	18.6%	30.3%	26.8%	36.3%	41.2%	4.3%	5.4%	↓ 2.5%	↑ 5.9%
Grade 5	6.1%	6.2%	20.7%	18.3%	32.1%	28.2%	34.9%	38.4%	6.1%	8.8%	↓ 2.3%	↑ 6.2%
Grade 6	7.6%	8.9%	21.4%	19.1%	30.2%	29.1%	34.8%	35.6%	6.0%	7.3%	↓ 1.0%	↑ 2.2%
Grade 7	7.7%	9.0%	22.3%	20.1%	33.3%	32.3%	33.0%	33.5%	3.8%	5.2%	↓ 0.9%	↑ 1.9%
Grade 8*	21.9%	21.5%	26.2%	25.3%	28.4%	27.5%	23.0%	24.9%	0.5%	0.7%	↓ 1.3%	↑ 2.1%
Algebra I	13.8%	12.8%	25.3%	21.3%	25.0%	24.8%	32.9%	37.3%	3.1%	3.9%	↓ 5.0%	↑ 5.2%
Algebra II	31.7%	33.5%	24.5%	22.6%	19.9%	18.8%	22.3%	22.7%	1.6%	2.4%	↓ 0.1%	↑ 1.1%
Geometry	12.4%	10.5%	35.6%	31.1%	29.7%	31.4%	19.5%	23.2%	2.9%	3.8%	↓ 6.3%	↑ 4.6%

\*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
Algebra II	74,643	58,026	16,617
Geometry	84,589	71,137	13,452
<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 **BOUND BROOK'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)	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Grade 3	31%	<b>26%</b>	24%	<b>30%</b>	26%	<b>23%</b>	19%	<b>18%</b>	1%	<b>2%</b>
Grade 4	8%	<b>22%</b>	29%	<b>18%</b>	38%	<b>29%</b>	22%	<b>23%</b>	3%	<b>8%</b>
Grade 5	15%	<b>8%</b>	25%	<b>33%</b>	36%	<b>33%</b>	24%	<b>26%</b>	0%	<b>0%</b>
Grade 6	10%	<b>23%</b>	28%	<b>19%</b>	41%	<b>40%</b>	21%	<b>16%</b>	0%	<b>3%</b>
Grade 7	25%	<b>11%</b>	22%	<b>13%</b>	27%	<b>30%</b>	22%	<b>39%</b>	4%	<b>7%</b>
Grade 8	23%	<b>15%</b>	23%	<b>15%</b>	28%	<b>32%</b>	23%	<b>31%</b>	3%	<b>6%</b>
Grade 9	43%	<b>21%</b>	21%	<b>18%</b>	17%	<b>31%</b>	18%	<b>25%</b>	1%	<b>6%</b>
Grade 10	52%	<b>19%</b>	20%	<b>17%</b>	16%	<b>22%</b>	11%	<b>32%</b>	1%	<b>10%</b>
Grade 11*	25%	<b>9%</b>	26%	<b>14%</b>	27%	<b>25%</b>	21%	<b>41%</b>	2%	<b>12%</b>

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

Notes: Percentages may not total 100 due to rounding.



## COMPARISON OF **BOUND BROOK'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)	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Grade 3	13%	<b>14%</b>	35%	<b>33%</b>	35%	<b>30%</b>	18%	<b>22%</b>	0%	<b>2%</b>
Grade 4	12%	<b>13%</b>	33%	<b>23%</b>	33%	<b>31%</b>	21%	<b>29%</b>	0%	<b>3%</b>
Grade 5	11%	<b>9%</b>	41%	<b>38%</b>	37%	<b>34%</b>	8%	<b>19%</b>	3%	<b>0%</b>
Grade 6	12%	<b>12%</b>	31%	<b>36%</b>	39%	<b>35%</b>	17%	<b>15%</b>	1%	<b>2%</b>
Grade 7	17%	<b>9%</b>	29%	<b>24%</b>	33%	<b>39%</b>	20%	<b>27%</b>	1%	<b>1%</b>
Grade 8*	38%	<b>37%</b>	26%	<b>33%</b>	32%	<b>22%</b>	3%	<b>9%</b>	0%	<b>0%</b>
Algebra I	34%	<b>20%</b>	31%	<b>29%</b>	17%	<b>30%</b>	18%	<b>20%</b>	1%	<b>1%</b>
Algebra II	41%	<b>46%</b>	38%	<b>24%</b>	16%	<b>19%</b>	5%	<b>11%</b>	0%	<b>0%</b>
Geometry	29%	<b>11%</b>	50%	<b>58%</b>	19%	<b>26%</b>	2%	<b>5%</b>	0%	<b>0%</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: Percentages may not total 100 due to rounding.

**COMPARISON OF **BOUND BROOK'S** STUDENTS TESTED  
SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS  
ENGLISH LANGUAGE ARTS/LITERACY**

	Students Tested		Difference
	2016	2015	
Grade 3	121	118	+3
Grade 4	122	129	-7
Grade 5	126	115	+11
Grade 6	118	119	-1
Grade 7	115	111	+4
Grade 8	108	114	-6
Grade 9	180	154	+26
Grade 10	135	152	-17
Grade 11*	138	101	+37
<b>TOTAL</b>	<b>1163</b>	<b>1113</b>	<b>+50</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 BOUND BROOK'S  
STUDENTS TESTED  
SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS  
MATHEMATICS**

	Students Tested		Year to Year Increase
	2016	2015	
Grade 3	125	115	+10
Grade 4	124	132	-8
Grade 5	129	115	+14
Grade 6	121	122	-1
Grade 7	118	113	+5
Grade 8*	83	87	-4
Algebra I	169	157	+12
Algebra II	240	98	+142
Geometry	19	136	-117
<b>TOTAL</b>	<b>1128</b>	<b>1075</b>	<b>+53</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.

# 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?

# YEAR TWO DATA ANALYSIS PLAN: DRILLING DOWN

- 
- The diagram is a blue funnel shape pointing downwards, divided into five horizontal sections. Each section contains a bullet point representing a level of data analysis. The sections, from top to bottom, are:
- District and School Level Data: Math, ELA, reading and writing, and also by grade levels
  - Disaggregated data, by subgroups
  - Disaggregated data by categories, (i.e., standards sub-claims)
  - Item analysis
  - Student-level analysis

# How will we use PARCC data to identify strengths and gaps that exist in curriculum and instruction?

- Look at performance on categories of skills and content
- Reflect on our units of study in Math and ELA- scope and sequence of unit topics
- Were all skills taught in a timely manner? – Look at pacing guides
- Reflect on standards being taught using new online lesson planner
- Are all standards being taught?

# How will we use PARCC data to inform the conversations of our educators?

- **Look at trends in scores based on skills and content**
- **Build conversations for Common Planning around trends**
- **Instructional Leaders will create PD with trends in mind**
- **Offer Parent Academy that highlights trends and offers strategies to support students**

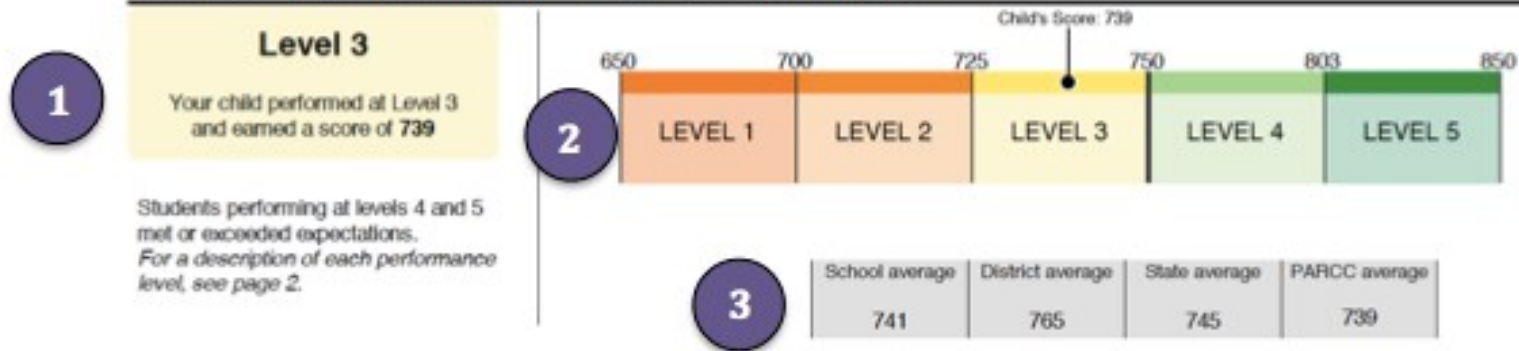
# What can we learn about where additional professional resources are needed to meet the learning needs of all students?

- Create 'Resources Inventory' to identify areas of strength and areas that need additional support
- Reach out to neighboring districts to discuss curriculum, resources, etc.
- What PD do teachers need to help support instruction?



# PARENT GUIDE TO THE SCORE REPORTS

## ENGLISH LANGUAGE ARTS / LITERACY PERFORMANCE



### Key Information Provided in the Score Report

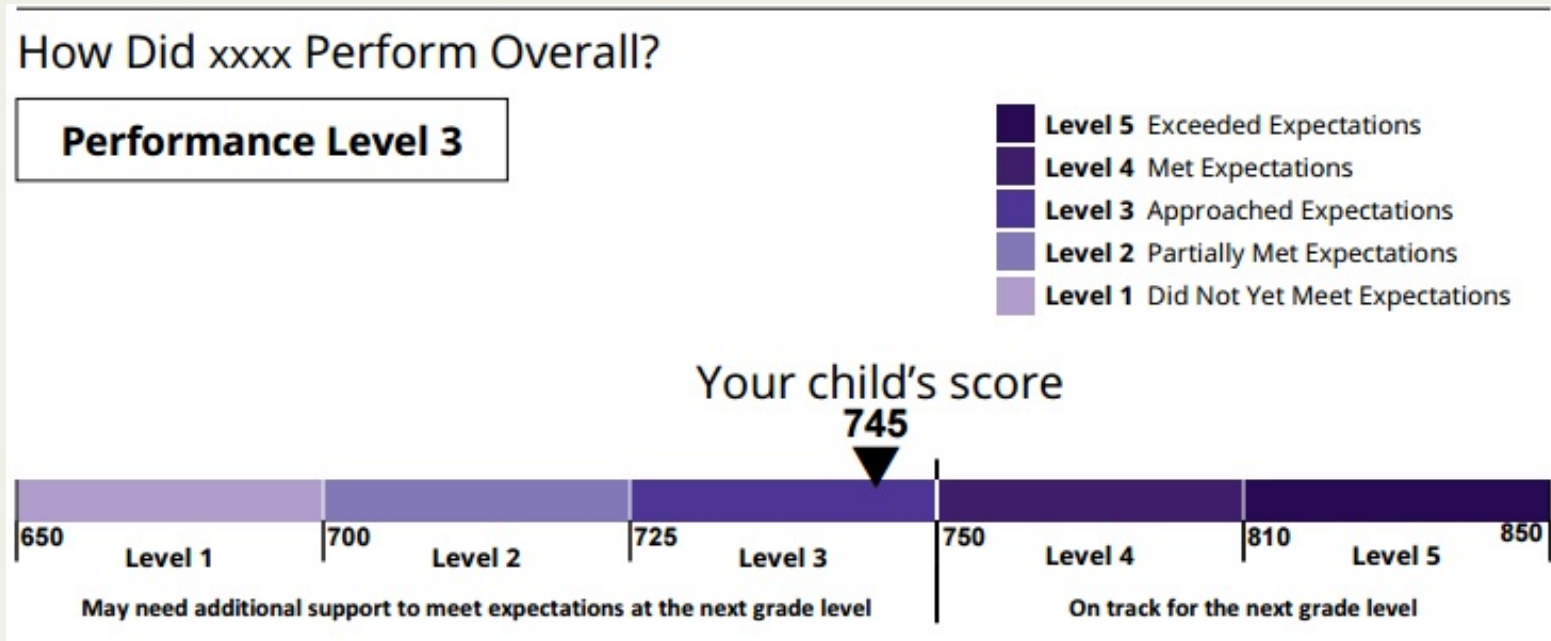
**1** **Overall Student Performance** – This section of the report shows your student's overall numerical score and the performance level achieved based on that score. Level 1 indicates a student is not yet meeting grade level expectations and Level 5 indicates the student has a strong understanding of grade level material.

Page two of the score report provides additional information about your child's score and level of performance. Level 4 and above indicates that a student meets or exceeds grade level expectations and is well prepared for the next grade level.

**2** **Score Graph** – The colored graph shows the score ranges for each performance level and where your child's score falls within that range. This gives you an indication of how close your child is to achieving the next level.

# 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