

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

**BURLINGTON COUNTY INSTITUTE OF  
TECHNOLOGY  
OCTOBER 20, 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%	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%
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%
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%

\*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 BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'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 9	16%	8%	27%	21%	29%	38%	23%	29%	5%	4%
Grade 10	31%	20%	25%	20%	22%	28%	20%	27%	3%	6%
Grade 11*	24%	16%	25%	31%	29%	27%	19%	24%	3%	3%

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

Notes: Percentages may not total 100 due to rounding.



## COMPARISON OF BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'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
Algebra I	9%	<b>10%</b>	29%	<b>25%</b>	35%	<b>34%</b>	27%	<b>31%</b>	1%	<b>0%</b>
Algebra II	52%	<b>41%</b>	33%	<b>28%</b>	13%	<b>21%</b>	3%	<b>10%</b>	0%	<b>0%</b>
Geometry	16%	<b>6%</b>	50%	<b>40%</b>	23%	<b>39%</b>	11%	<b>14%</b>	0%	<b>1%</b>

Notes: Percentages may not total 100 due to rounding.

# COMPARISON OF BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'S 2015-2016 SPRING PARCC ADMINISTRATIONS ENGLISH LANGUAGE ARTS/LITERACY

	% Change in Level 1 and Level 2				% Change in Level 4 and Level 5			
		BCIT	State			BCIT	State	
Grade 9	↓	11%	↓	8.7%	↑	5%	↑	9.2%
Grade 10	↓	16%	↓	7.8%	↑	10%	↑	7.7%
Grade 11*	↓	2%	↓	1.1%	↑	5%	↑	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 BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'S 2015-2016 SPRING PARCC ADMINISTRATIONS MATHEMATICS

	% Change in Level 1 and Level 2				% Change in Level 4 and Level 5			
		BCIT	State			BCIT	State	
Algebra I	↓	3%	↓	5.0%	↑	3%	↑	5.2%
Algebra II	↓	16%	↓	0.1%	↑	7%	↑	1.1%
Geometry	↓	20%	↓	6.3%	↑	4%	↑	4.6%

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.

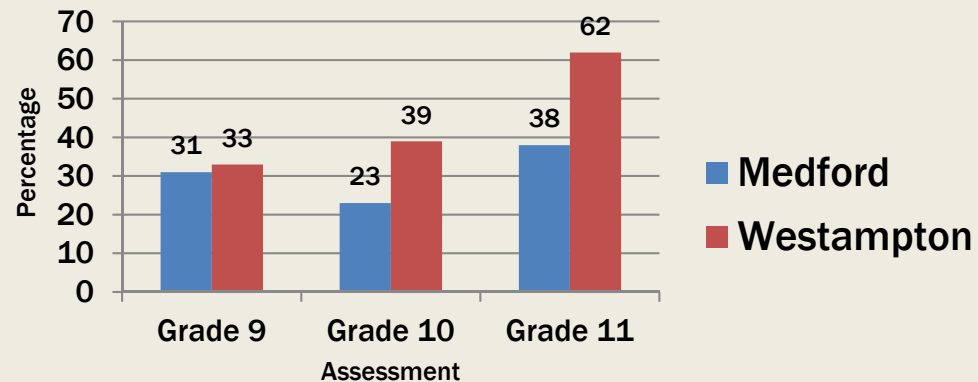
# BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'S 2016 SPRING PARCC SCHOOL & GRADE-LEVEL OUTCOMES ENGLISH LANGUAGE ARTS/LITERACY

	Grade 9 % >= Level 4	Grade 10 % >= Level 4	Grade 11 % >= Level 3
<b>District</b>	<b>33%</b>	<b>33%</b>	<b>54%</b>
<b>Medford</b>	<b>31%</b>	<b>23%</b>	<b>38%</b>
<b>Westampton</b>	<b>33%</b>	<b>39%</b>	<b>62%</b>

**Class of 2016, 2017, 2018, 2019  
Graduation Requirements:**

English Language Arts
PARCC ELA Grade 9 >= 750 (Level 4) <i>or</i>
PARCC ELA Grade 10 >=750 (Level 4) <i>or</i>
PARCC ELA Grade 11 >= 725 (Level 3) <i>or</i>

**Percentage of Students Meeting  
Graduation Requirement**



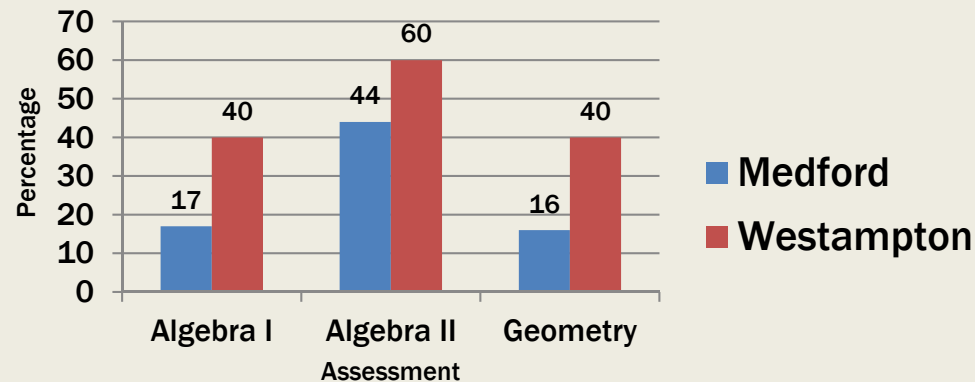
# BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'S 2016 SPRING PARCC SCHOOL & GRADE-LEVEL OUTCOMES MATHEMATICS

	Algebra I % $\geq$ Level 4	Algebra II % $\geq$ Level 3	Geometry % $\geq$ Level 3
<b>District</b>	<b>31%</b>	<b>54%</b>	<b>31%</b>
<b>Medford</b>	<b>17%</b>	<b>44%</b>	<b>16%</b>
<b>Westampton</b>	<b>40%</b>	<b>60%</b>	<b>40%</b>

**Class of 2016, 2017, 2018, 2019  
Graduation Requirements:**

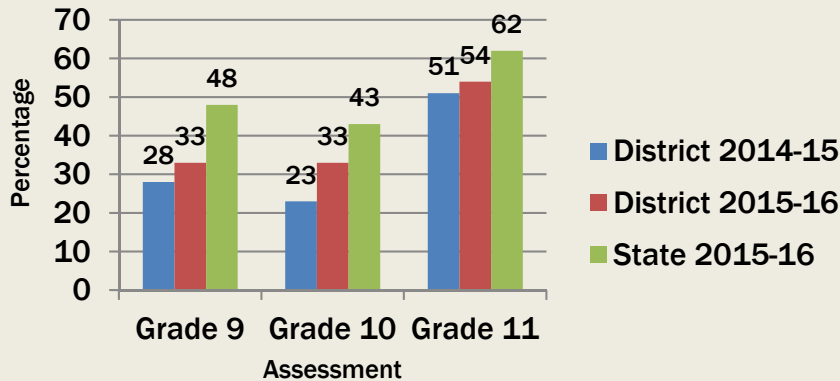
Mathematics
PARCC Algebra I $\geq$ 750 (Level 4) <i>or</i>
PARCC Geometry $\geq$ 725 (Level 3) <i>or</i>
PARCC Algebra II $\geq$ 725 (Level 3) <i>or</i>

**Percentage of Students Meeting  
Graduation Requirement**

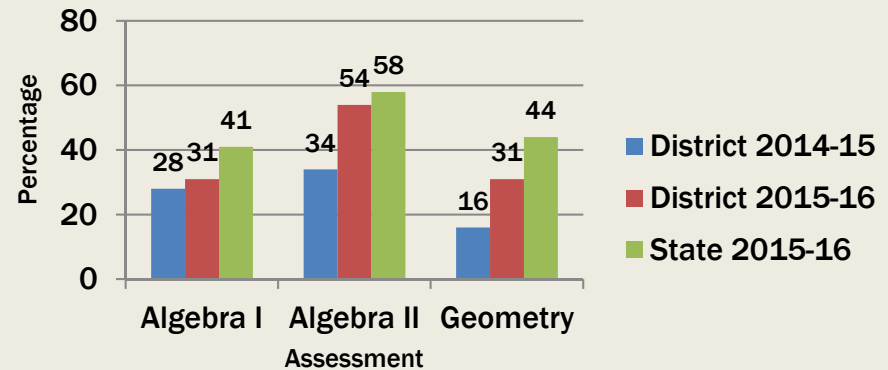


# BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'S SPRING 2015 AND SPRING 2016 PARCC GRADUATION OUTCOMES

## Percentage of Students Meeting Graduation Requirement – ELA/L



## Percentage of Students Meeting Graduation Requirement – Math



# SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS GRADE LEVEL OUTCOMES ENGLISH LANGUAGE ARTS/LITERACY

## BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY

### WESTAMPTON CAMPUS

	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 9	12%	6%	32%	19%	26%	40%	25%	31%	4%	4%
Grade 10	28%	14%	28%	17%	21%	31%	20%	32%	3%	6%
Grade 11*	15%	8%	29%	30%	29%	30%	24%	29%	4%	4%

### MEDFORD CAMPUS

	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 9	21%	11%	20%	24%	34%	34%	20%	27%	6%	4%
Grade 10	40%	29%	15%	24%	25%	24%	18%	19%	2%	4%
Grade 11*	40%	29%	19%	23%	30%	23%	10%	15%	1%	0%

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

Notes: Percentages may not total 100 due to rounding.

# SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS GRADE LEVEL OUTCOMES MATHEMATICS

## BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY

### WESTAMPTON CAMPUS

	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
Algebra I	6%	<b>9%</b>	27%	<b>22%</b>	34%	<b>27%</b>	31%	<b>40%</b>	1%	<b>3%</b>
Algebra II	41%	<b>30%</b>	39%	<b>31%</b>	16%	<b>27%</b>	3%	<b>13%</b>	0%	<b>0%</b>
Geometry	11%	<b>5%</b>	48%	<b>35%</b>	27%	<b>41%</b>	14%	<b>17%</b>	0%	<b>2%</b>

### MEDFORD CAMPUS

	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
Algebra I	13%	<b>11%</b>	31%	<b>31%</b>	36%	<b>41%</b>	20%	<b>17%</b>	0%	<b>0%</b>
Algebra II	67%	<b>60%</b>	24%	<b>24%</b>	8%	<b>10%</b>	1%	<b>6%</b>	0%	<b>0%</b>
Geometry	26%	<b>8%</b>	56%	<b>49%</b>	13%	<b>36%</b>	5%	<b>8%</b>	0%	<b>0%</b>

Notes: Percentages may not total 100 due to rounding.



# COMPARISON OF BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'S 2015-2016 SPRING PARCC ADMINISTRATIONS ENGLISH LANGUAGE ARTS/LITERACY

	% Change in Level 1 and Level 2						% Change in Level 4 and Level 5					
	West		BCIT		State		West		BCIT		State	
Grade 9	↓	19%	↓	11%	↓	8.7%	↑	6%	↑	5%	↑	9.2%
Grade 10	↓	24%	↓	16%	↓	7.8%	↑	15%	↑	10%	↑	7.7%
Grade 11*	↓	6%	↓	2%	↓	1.1%	↑	5%	↑	5%	↑	0.9%

	% Change in Level 1 and Level 2						% Change in Level 4 and Level 5					
	Medford		BCIT		State		Medford		BCIT		State	
Grade 9	↓	6%	↓	11%	↓	8.7%	↑	5%	↑	5%	↑	9.2%
Grade 10	↓	2%	↓	16%	↓	7.8%	↑	3%	↑	10%	↑	7.7%
Grade 11*	↓	7%	↓	2%	↓	1.1%	↑	4%	↑	5%	↑	0.9%

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

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# COMPARISON OF BURLINGTON COUNTY INSTITUTE OF TECHNOLOGY'S 2015-2016 SPRING PARCC ADMINISTRATIONS MATHEMATICS

	% Change in Level 1 and Level 2						% Change in Level 4 and Level 5					
	West		BCIT		State		West		BCIT		State	
Algebra I	↓	2%	↓	3%	↓	5.0%	↑	11%	↑	3%	↑	5.2%
Algebra II	↓	19%	↓	16%	↓	0.1%	↑	10%	↑	7%	↑	1.1%
Geometry	↓	6%	↓	20%	↓	6.3%	↑	5%	↑	4%	↑	4.6%

	% Change in Level 1 and Level 2						% Change in Level 4 and Level 5					
	Medford		BCIT		State		Medford		BCIT		State	
Algebra I	↓	2%	↓	3%	↓	5.0%	↓	3%	↑	3%	↑	5.2%
Algebra II	↓	7%	↓	16%	↓	0.1%	↑	5%	↑	7%	↑	1.1%
Geometry	↓	25%	↓	20%	↓	6.3%	↑	3%	↑	4%	↑	4.6%

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.

# 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?

# WHAT'S NEXT?

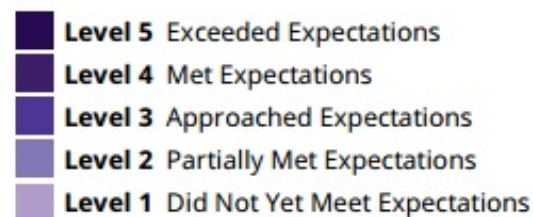
- Schools are rolling out data to teachers so that they can have informed conversations about using data to improve curriculum and instruction
- The Curriculum Committee will use PARCC data to review relevant curricula and revise courses accordingly.
- By doing so, BCIT can generate a data-driven culture that focuses upon improving student achievement.

# 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/)

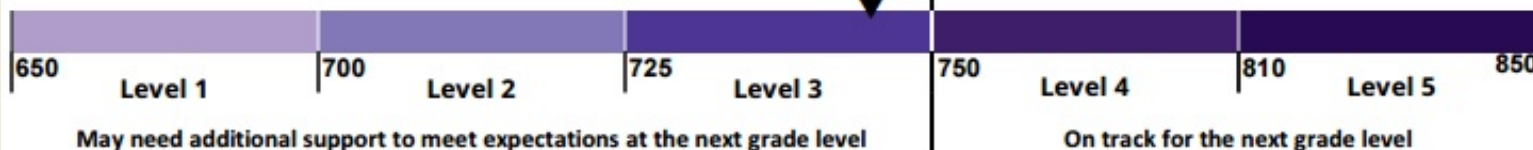
How Did xxxx Perform Overall?

**Performance Level 3**



Your child's score

745



Sample report