

PARCC RESULTS: SPRING 2016 ADMINISTRATION

NJASK SCIENCE & NJBCT RESULTS

WESTWOOD REGIONAL SCHOOL DISTRICT
OCTOBER 20, 2016

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Measuring
College and
Career
Readiness

NEW JERSEY'S STATEWIDE ASSESSMENT PROGRAM

- 2016 marks the 2nd 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 WESTWOOD REGIONAL'S
STUDENTS TESTED
SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS
ENGLISH LANGUAGE ARTS/LITERACY**

	%Students Tested	
	2016	2015
Grade 3	98	95
Grade 4	95	98
Grade 5	99	96
Grade 6	94	90
Grade 7	94	85
Grade 8	97	63
Grade 9	87	54
Grade 10	93	28
Grade 11*	72	9
TOTAL	93	70

*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.

WESTWOOD REGIONAL'S 2016 SPRING PARCC SCHOOL- & GRADE-LEVEL OUTCOMES ENGLISH LANGUAGE ARTS/LITERACY

	Grade 3 % >= Level 4	Grade 4 % >= Level 4	Grade 5 % >= Level 4	Grade 6 % >= Level 4	Grade 7 % >= Level 4	Grade 8 % >= Level 4	Grade 9 % >= Level 4	Grade 10 % >= Level 4	Grade 11 % >= Level 4
State	47	54	53	52	57	56	48	43	39
District	63	69	75	64	80	54	59	64	45
Berkeley	84	76	89						
Brookside	60	55	65						
George	59	69	68						
Washington	48	76	82						
WRMS				64	80				
High						54	59	64	45

**WESTWOOD REGIONAL'S
2016 SPRING PARCC ADMINISTRATION
GRADES 3-11 SUBGROUPS
ENGLISH LANGUAGE ARTS/LITERACY**

	Count of Valid Test Scores	District % \geq Level 4
Female	852	76%
Male	906	53%
Hispanic	244	49%
Asian	114	85%
Black	53	36%
White	1328	66%
Econ D - Y	169	43%
SWD-Y	260	14%
District Overall	1758	64%
State	832,832	50%

COMPARISON OF WESTWOOD REGIONAL'S SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS ENGLISH LANGUAGE ARTS/LITERACY

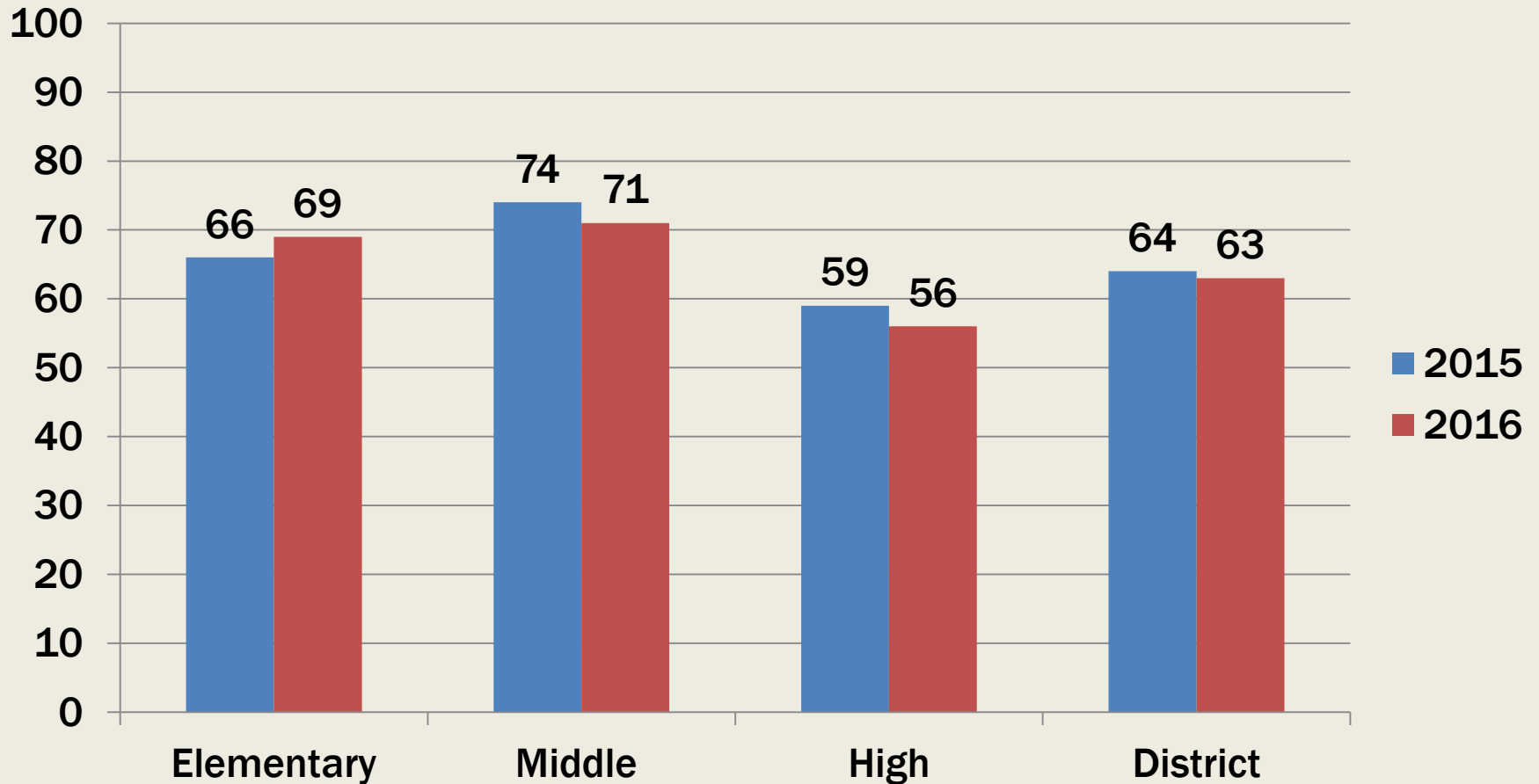
	% Not Yet Meeting Expectations (Level 1)		% Partially Meeting Expectations (Level 2)		% Approaching Expectations (Level 3)		% Meeting Expectations (Level 4)		% Exceeding Expectations (Level 5)	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Grade 3	5	4	7	11	24	21	55	50	9	13
Grade 4	2	1	7	7	25	23	51	49	15	20
Grade 5	2	2	9	3	23	19	51	58	16	17
Grade 6	2	4	8	9	16	24	52	54	23	10
Grade 7	3	3	5	6	19	11	41	35	32	43
Grade 8	6	6	21	13	21	26	39	41	13	13
Grade 9	6	7	13	9	25	26	35	43	22	16
Grade 10	8	9	17	8	13	18	38	40	23	24
Grade 11*	6	12	6	19	24	25	41	35	24	10

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

Notes: Percentages may not total 100 due to rounding.

YEAR-TO-YEAR COMPARISON

%4 OR ABOVE



ELA CONCLUSIONS

- As a district, our students achieved higher average reading scores than PARCC states and New Jersey at all grade levels. All grade levels exceeded PARCC state average scores in writing. All but grade 8 exceeded NJ averages in writing as well.
- Across the district, the higher percentage of students achieving Level 4 or better demonstrates a high degree of success on which we can expect to build going forward.
- The increase in participation establishes a more accurate baseline with which focused action can be developed, particularly in the upper grades.

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?

COMPARISON OF WESTWOOD REGIONAL'S STUDENTS TESTED SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS MATHEMATICS

Grade	Students Tested	
	2016	2015
Grade 3	98%	95%
Grade 4	95%	98%
Grade 5	99.5%	96%
Grade 6	94%	90%
Grade 7	94%	85%
Grade 8*	85%	59%
Algebra I	96%	58%
Algebra II	80%	17%
Geometry	94%	49%
TOTAL	93%	73%

*Some students in grade 8 participated in the PARCC Algebra I assessment in place of the 8th 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.

WESTWOOD REGIONAL'S 2016 SPRING PARCC SCHOOL- & GRADE-LEVEL OUTCOMES MATHEMATICS

	Grade 3 % >= Level 4	Grade 4 % >= Level 4	Grade 5 % >= Level 4	Grade 6 % >= Level 4	Grade 7 % >= Level 4	Grade 8 % >= Level 4	Algebra I % >= Level 4	Algebra II % >= Level 4	Geometr y % >= Level 4
State	52	46	47	43	38	26	41	25	27
District	71	61	64	54	62	20	48	50	33
Berkeley	82	71	80						
Brookside	67	38	57						
George	78	64	53						
Washington	55	73	65						
WRMS				54	62				
High						20	48	50	33

WESTWOOD REGIONAL'S 2016 SPRING PARCC ADMINISTRATIONS GRADES 3-11 MATHEMATICS

	Count of Valid Test Scores	District % \geq Level 4
Female	835	57%
Male	854	49%
Hispanic	235	36%
Asian	114	77%
Black	47	28%
White	1274	55%
Econ D-Y	161	32%
SWD-Y	251	10%
District Overall	1689	53%
State	811,016	40%

COMPARISON OF WESTWOOD REGIONAL'S SPRING 2015 AND SPRING 2016 PARCC ADMINISTRATIONS MATHEMATICS

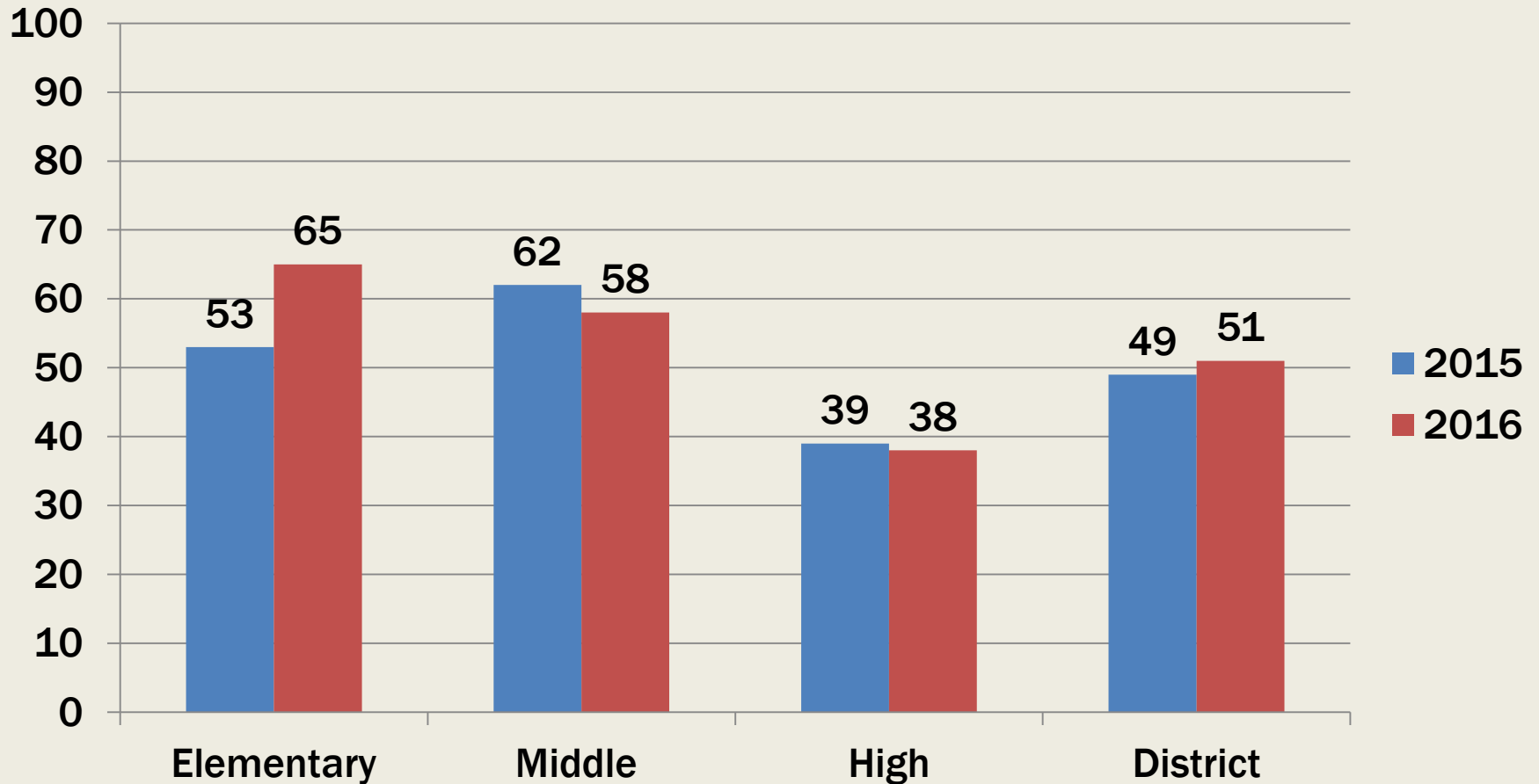
	Not Yet Meeting Expectations (Level 1)		Partially Meeting Expectations (Level 2)		Approaching Expectations (Level 3)		Meeting Expectations (Level 4)		Exceeding Expectations (Level 5)	
	2015	2016	2015	2016	2015	2016	2015	2016	2015	2016
Grade 3	2	5	13	7	25	17	52	51	7	20
Grade 4	3	3	14	12	32	24	49	55	2	6
Grade 5	3	3	14	10	33	23	41	54	9	10
Grade 6	4	5	9	8	22	35	58	47	7	7
Grade 7	3	3	9	10	28	26	49	48	10	13
Grade 8*	29	12	44	36	27	32	0	19	0	1
Algebra I	3	10	12	18	34	25	47	43	5	5
Algebra II	3	10	17	17	26	24	54	48	0	2
Geometry	1	6	14	20	35	40	47	31	3	2

*Some students in grade 8 participated in the PARCC Algebra I assessment in place of the 8th 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.

YEAR-TO-YEAR COMPARISON

%4 OR ABOVE



MATH CONCLUSIONS

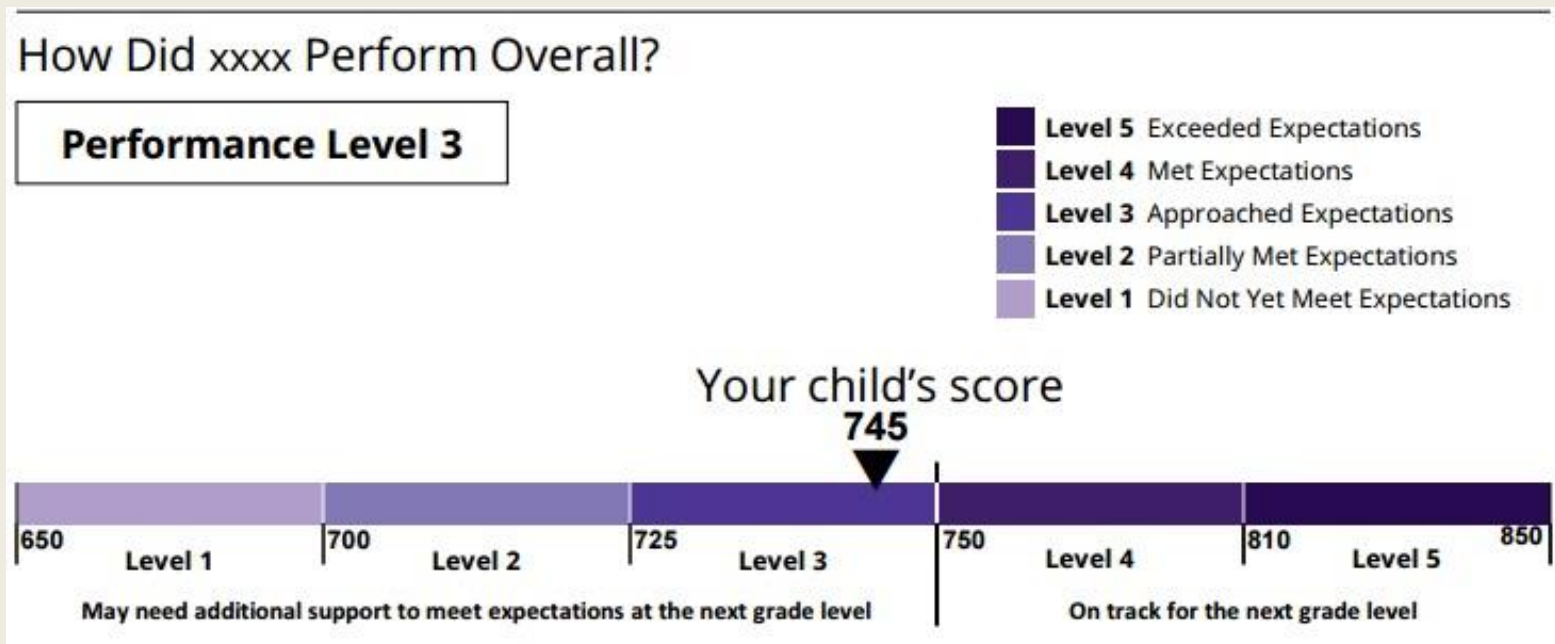
- Overall district results in Grades 3 to 7 and Algebra I, Geometry and Algebra II exceed New Jersey and PARCC states performance.
- District results in Grade 8 improved by 20% although below New Jersey and PARCC state average.
- District results in Grades 3 to 5 vary among District elementary schools.
- District results in Grades 6 and Algebra I, Geometry and Algebra II show decrease in percentage scoring 4 or above compared to 2015, although results exceeded New Jersey and PARCC state average.
- Impressive district results in Grade 7 and Algebra II compared to New Jersey percentages of scores of 4 or better.
- Increase in student participation provides a more reliable basis of comparison of results with State and PARCC states.

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?

RESOURCES FOR PARENTS

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



Sample report

NJASK SCIENCE & NJBCT

2015-2016
Results

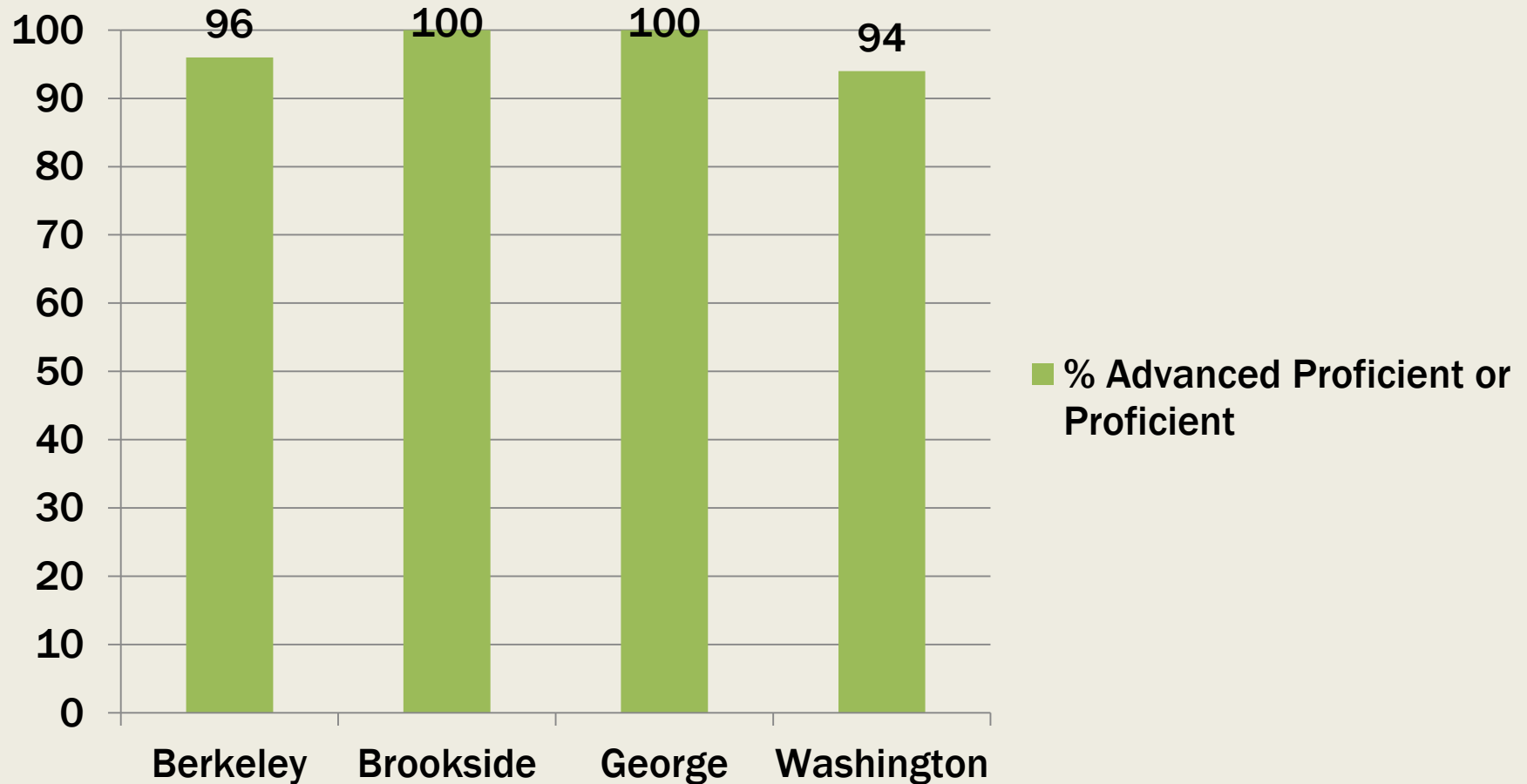
BIOLOGY COMPETENCY TEST

	%Proficient/Advanced Proficient					
	WW		DFG		NJ	
	2016	2015	2016	2015	2016	2015
Total	47%	60%	69%	68%	57%	58%
	2016		2016		2016	
General Ed	67%		77%		65%	
Special Ed	21%		30%		22%	
Female	56%		72%		59%	
Male	39%		67%		55%	
White	43%		72%		68%	
Hispanic	53%		54%		38%	
Economically Disadvantaged	58%		51%		36%	

NJASK SCIENCE 4

	%Proficient/Advanced Proficient					
	WW		DFG		NJ	
	2016	2015	2016	2015	2016	2015
Total	98%	96%	95%	96	90%	91%
	2016		2016		2016	
General Ed	100%		98%		94%	
Special Ed	81%		87%		78%	
Female	98%		96%		90%	
Male	97%		95%		90%	
White	97%		97%		96%	
Hispanic	100%		90%		83%	
Economically Disadvantaged	97%		88%		81%	

NJASK SCIENCE 4 BY SCHOOL



NJASK SCIENCE 8

	%Proficient/Advanced Proficient					
	WW		DFG		NJ	
	2016	2015	2016	2015	2016	2015
Total	85%	93%	83%	86%	73%	77%
	2016		2016		2016	
General Ed	91%		90%		81%	
Special Ed	48%		48%		39%	
Female	86%		83%		73%	
Male	83%		82%		72%	
White	86%		86%		84%	
Hispanic	78%		70%		58%	
Economically Disadvantaged	58%		65%		55%	

SCIENCE CONCLUSIONS & INTERVENTIONS

- **NJBCT**
 - Drop in Advanced Proficient/Proficient percentage
 - Males not doing as well as females
- **Grade 4**
 - Special education a little lower than DFG
- **Grade 8**
 - Drop in Advanced Proficient/Proficient percentage
 - Economically disadvantaged below DFG
- **Next Steps**
 - New curriculum being written for K-5
 - New curriculum and textbooks being implemented 6-12
 - Run Honors Biology
 - Professional Development in NGSS/NJSLS-S Activity Before Concept