

Bernards Township School District Testing Report Fall 2014

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Introduction

The Fall 2014 Testing Report includes data from New Jersey Department of Education assessments and College Board tests including the SAT Reasoning Test, the SAT Subject Tests, and the Advanced Placement Tests. Upon recommendation of the New Jersey Department of Education, this report only analyzes scores for subgroups of students whose population is greater than or equal to 40.

As in prior years, this testing report includes District Factor Group means. The District Factor Group (DFG) is an indicator of the socioeconomic status of citizens in each school district. The current DFG designations are based upon the 2000 census. The Bernards Township School District is one of twenty-five school districts in the “J” DFG, which is the highest socioeconomic designation (Source: NJASK 2014 Score Interpretation Manual, Appendix C).

The State of New Jersey has moved away from using DFGs to benchmark school performance, replacing it with peer group rankings in 2013. These new rankings establish a peer group unique to each school within a district. (Source: NJ School Performance Reports Interpretive Guide - January 2014) However, for the purposes of this report, DFG groups will be used, as peer group assessment data is not yet available.

On September 29th of this year, Dr. Erlichson, the NJDOE’s Assistant Commissioner/Chief Performance Officer, cautioned about drawing conclusions about performance trends using NJASK or HSPA scores:

“While NJASK and HSPA fulfilled our federal testing requirements under the Elementary and Secondary Education Act (ESEA), they did not play a significant role in the improvement of instruction or the advancement of student learning outcomes. Our tests were short, in that they had relatively few questions and did not fully incorporate the full range of grade level standards each year. This resulted in cluster scores that could not be translated into school-wide strategies for instructional improvement or meaningful longitudinal trend data.” (Source: NJDOE Broadcast Memo, 09/29/2014)

The 2014 NJASK assessment has been described by the State as “transitional”: “The 2014 NJ ASK will measure the Common Core State Standards (CCSS) within the current NJ ASK blueprint . . . [but] will not be able to measure the full range of the CCSS.” (Source: NJASK 2014 Parent Guide)

All of the above factors should be taken into consideration when reviewing the 2014 assessment data.

New Jersey Department of Education Assessments

The New Jersey Department of Education administers assessments to students in grades 3, 4, 5, 6, 7, 8 and 11.

- **Assessments**

- *New Jersey Assessment of Skills and Knowledge (NJASK)*
 - Administered to students in grades 3 through 8
 - Measures a student's achievement in meeting state standards in three areas:
 - Mathematics
 - English Language Arts
 - Science
- *High School Proficiency Assessment (HSPA)*
 - Administered to students in grade 11
 - Measures a student's achievement in meeting state standards in two areas:
 - Mathematics
 - Language Arts Literacy
- *New Jersey Biology Competency Test (NJBCT)*
 - Formerly known as the "End of Course (EOC) Biology Assessment"
 - Administered all students taking a their first high school biology course, no matter what the level
 - In Bernards Township, this usually applies to grade 9

- **Scoring**

- The scores on all state assessments range from 100 to 300
- Students scoring 200 or above are meeting or exceeding their grade-level state standards under the No Child Left Behind (NCLB) Act
 - *Partially Proficient* 100-199
 - *Proficient* 200-249
 - *Advanced Proficient* 250-300

- **Acronyms**

- *NJASK*: New Jersey Assessment of Skills and Knowledge
- *HSPA*: High School Proficiency Assessment
- *NJBCT*: New Jersey Biology Competency Test
- *GE*: General education students
- *SE*: Special education students
- *DFG*: District Factor Group (a measure of socioeconomic status; Bernards Township is in DFG "J," the highest grouping)
- *ELA*: English Language Arts
- *LAL*: Language Arts Literacy
- *AP*: Advanced Placement

NJ ASK 3 (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
ELA (All Students)	86.8	89.1	222.7	223.6
ELA (GE)	91.2	94.5	226.1	227.5
ELA (SE)	64.1	63.5	205.8	204.7
Math (All Students)	93.7	93.8	259.9	261.6
Math (GE)	97.1	97.2	264.6	267.7
Math (SE)	76.6	77.7	237.8	232.9

NJ ASK 3 -Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	91.1	83.2	84.6	93.0
Math (All Students)	94.7	92.8	91.9	99.0

NJ ASK 3 -District Mean Scale Scores By Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	227.8	218.3	219.2	232.7
Math (All Students)	260.9	259.1	252.9	280.4

NJ ASK 3 – District Mean Scale Scores By Year

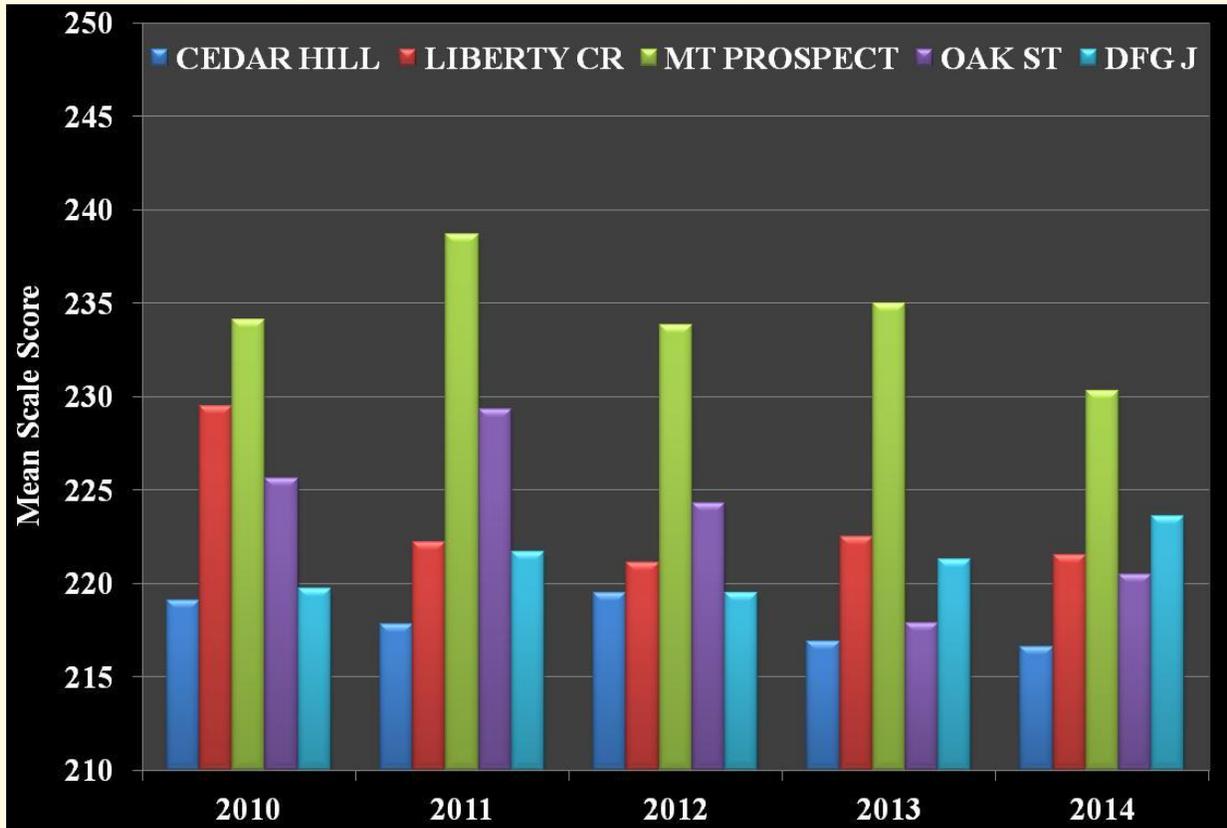
Student Population	2014	2013	2012	2011	2010
ELA (All Students)	222.7	223.2	224.9	227.5	227.4
ELA (GE)	226.1	225.7	227.1	231.4	231.4
ELA (SE)	205.8	204.9	212.7	212.2	210.9
Math (All Students)	259.9	262.2	261.1	258.8	262.4
Math (GE)	264.6	265.1	265.1	262.9	267.7
Math (SE)	237.8	240.7	239.0	243.3	242.7

NJ ASK 3 Mean Scale Scores by School

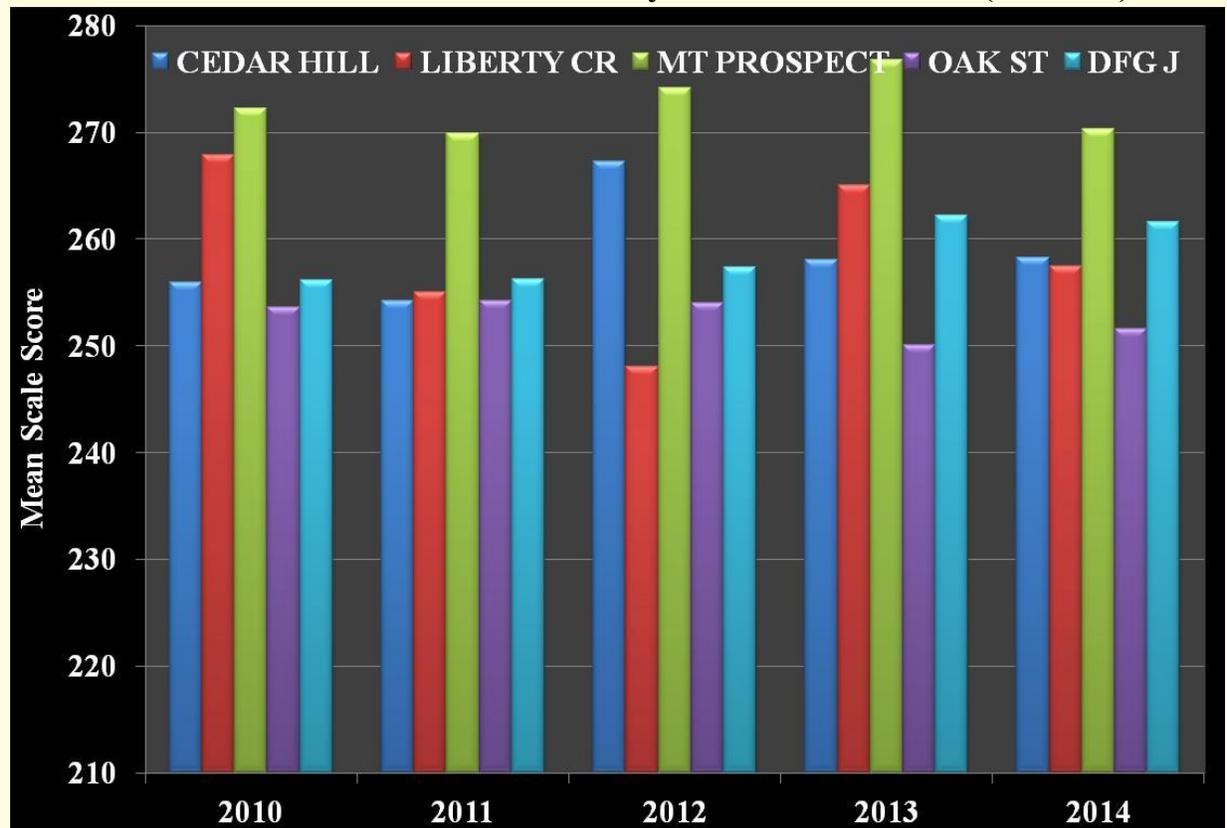
	CH	LC	MP	OS
ELA (All Students)	216.6	221.5	230.3	220.5
ELA (GE)	221.1	222.8	235.4	223.9
ELA (SE)	195.7	209.8	209.7	207.9
Math (All Students)	258.3	257.5	270.3	251.6
Math (GE)	263.9	261.7	276.7	254.4
Math (SE)	230.8	220.1	246.6	241.1

*Only reported for subgroups with a population greater than forty.

ASK-3 Eng. Lang. Arts Mean Scale Scores by School and DFG J (2010-14)



ASK-3 Math Mean Scale Scores by School and DFG J (2010-14)



NJ ASK 3 – Summary of Statistics

NOTE: Question items aligned to the Common Core State Standards (CCSS) were included as Field Test items on the 2012 and 2013 NJASK administrations. As field test items, these did not count toward a student's score. CCSS aligned items included in the 2014 NJASK administration did count toward a student's score.

English Language Arts

- An ANOVA (Analysis of Variance) test on NJASK3 English Language Arts scale scores of the elementary schools shows there is a significant difference among the buildings; when Mount Prospect is removed, the difference disappears.

Mathematics

- An ANOVA test on NJASK3 Math scale scores of the elementary schools shows there is a significant difference among the buildings; when Mount Prospect is removed, the difference disappears.
- Mean scale scores for all four elementary schools are in the range of 'Advanced Proficient'.

NJ ASK 4 (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
ELA (All Students)	92.0	87.5	224.6	220.7
ELA (GE)	96.2	92.8	227.0	224.1
ELA (SE)	68.1	59.5	210.7	202.9
Math (All Students)	95.9	93.7	268.6	260.6
Math (GE)	98.0	96.9	272.4	265.9
Math (SE)	84.1	76.5	246.9	233.1

NJ ASK 4 – Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	94.6	89.6	90.7	98.3
Math (All Students)	96.4	95.4	94.8	100

NJ ASK 4 – District Mean Scale Scores By Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	227.1	222.4	221.5	234.5
Math (All Students)	267.8	269.5	264.2	283.9

NJASK 4 – District Mean Scale Scores By Year

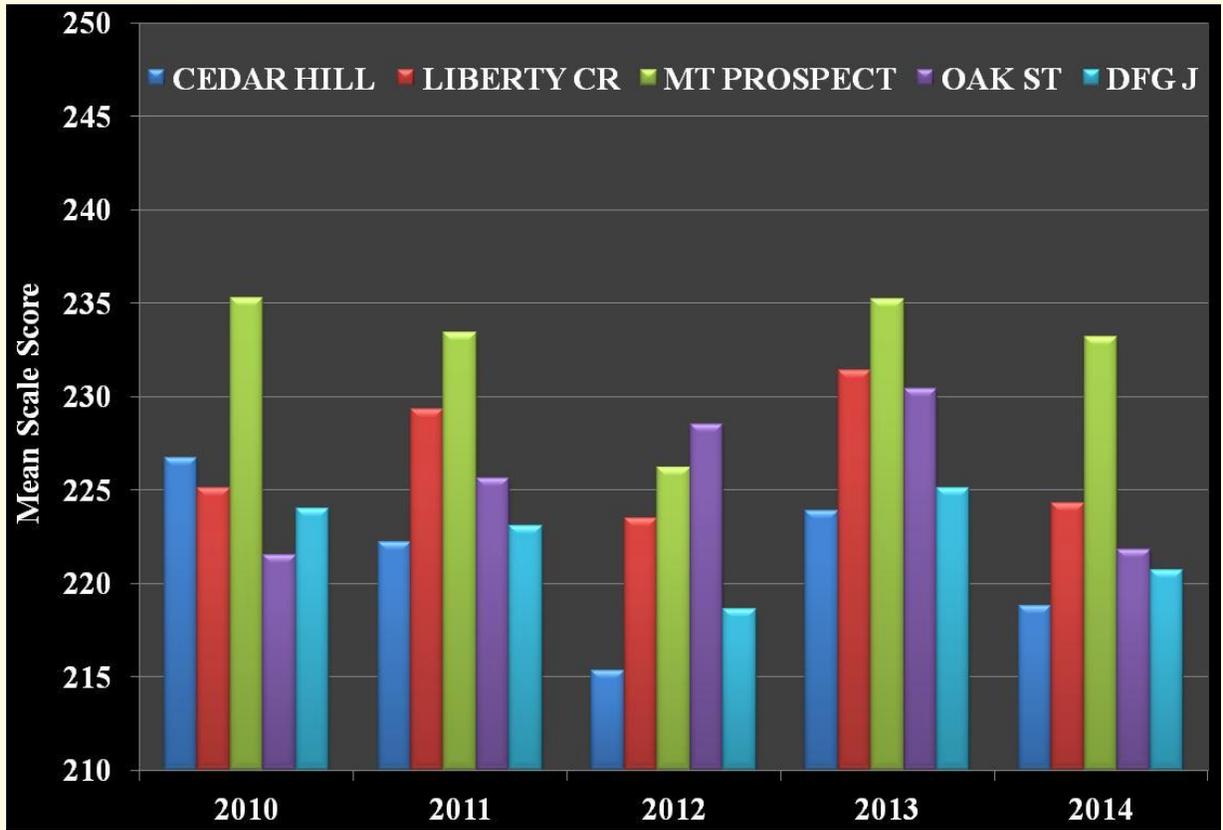
Student Population	2014	2013	2012	2011	2010
ELA (All Students)	224.6	230.2	223.5	227.7	227.5
ELA (GE)	227.0	232.5	227.4	232.7	231.2
ELA (SE)	210.7	219.1	206.9	206.6	210.6
Math (All Students)	268.6	266.7	260.9	260.0	252.5
Math (GE)	272.4	270.0	265.1	266.0	256.2
Math (SE)	246.9	250.4	243.4	235.1	234.1

NJ ASK 4 – Mean Scale Scores by School

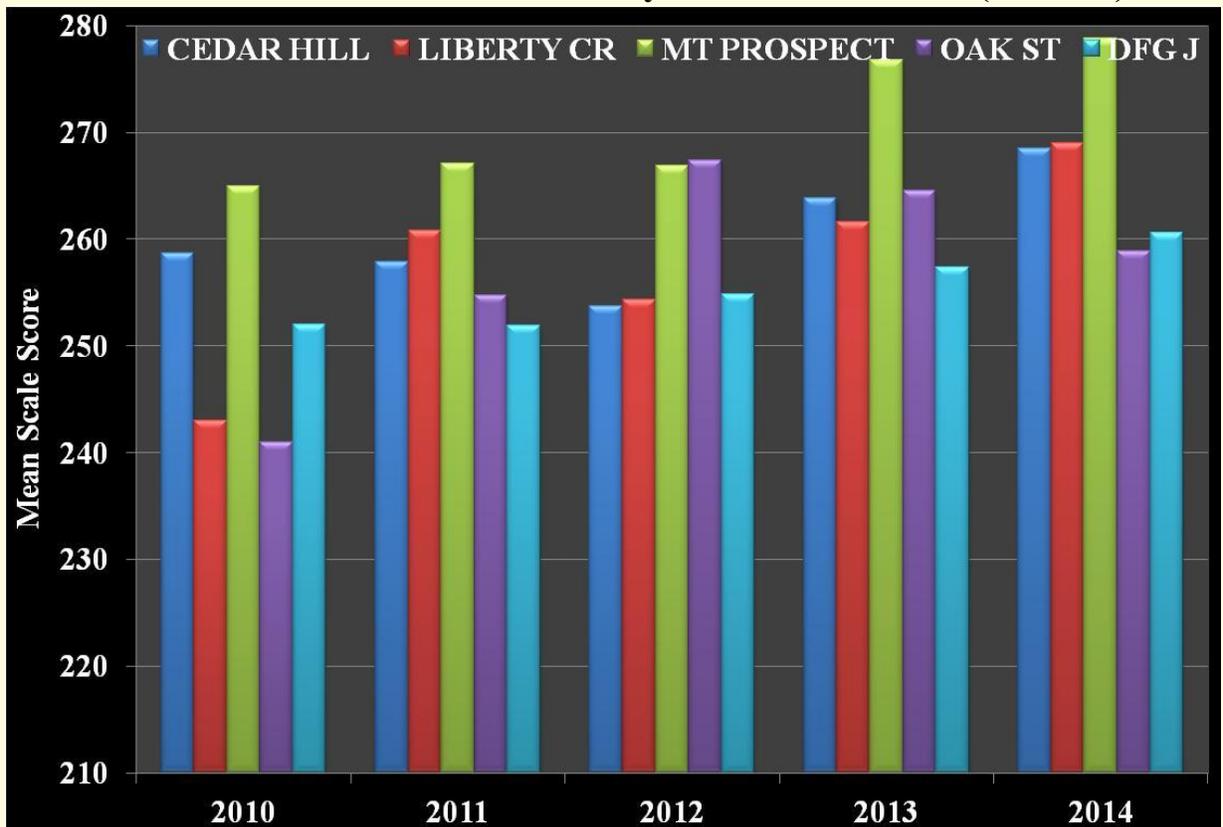
	CH	LC	MP	OS
ELA (All Students)	218.8	224.3	233.2	221.8
ELA (GE)	221.3	226.9	234.8	224.4
ELA (SE)	197.8	212.4	218.2	211.8
Math (All Students)	268.5	269.0	278.8	258.9
Math (GE)	271.1	272.1	281.6	264.1
Math (SE)	246.6	254.4	253.6	239.2

*Only reported for subgroups with a population greater than forty.

ASK-4 Eng. Lang. Arts Mean Scale Scores by School and DFG J (2010-14)



ASK-4 Math Mean Scale Scores by School and DFG J (2010-14)



NJ ASK 4 Science (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
Science (All Students)	91.1	97.9	260.7	261.3
Science (GE)	99.7	99.3	262.9	264.7
Science (SE)	95.7	91.0	248.2	244.5

NJ ASK 4 Science – Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
Science (All Students)	99.5	98.7	98.6	100

NJ ASK 4 Science – District Mean Scale Scores By Subgroup*

Student Population	Female	Male	White	Asian
Science (All Students)	258.8	262.4	256.7	272.7

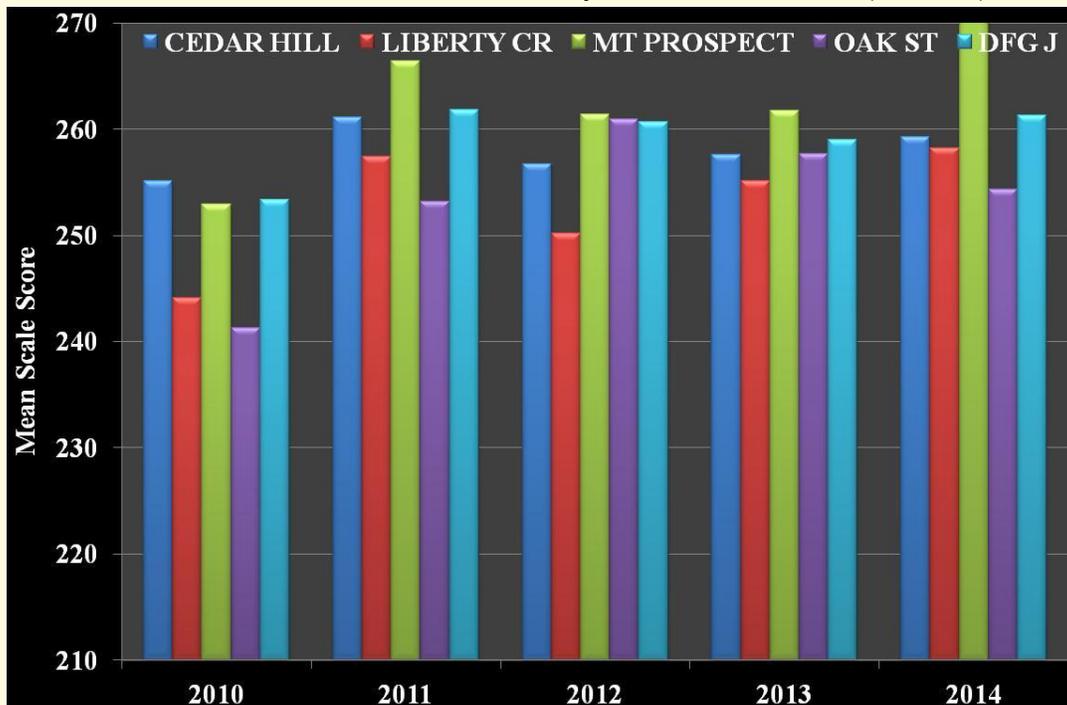
NJ ASK 4 Science – District Mean Scale Scores By Year

Student Population	2014	2013	2012	2011	2010
Science (All Students)	260.7	258.0	257.5	259.4	248.6
Science (GE)	262.9	260.0	260.8	263.0	249.8
Science (SE)	248.2	248.4	244.0	245.1	243.1

NJ ASK 4 Science – Mean Scale Scores by School

	CH	LC	MP	OS
Science (All Students)	259.3	258.2	270.6	254.3
Science (GE)	261.6	260.5	272.2	256.0
Science (SE)	240.3	247.2	257.2	247.9

ASK-4 Science Mean Scale Scores by School and DFG J (2010-14)



NJ ASK 4 – Summary of Statistics

NOTE: Question items aligned to the Common Core State Standards (CCSS) were included as Field Test items on the 2012 and 2013 NJASK administrations. As field test items, these did not count toward a student's score. CCSS aligned items included in the 2014 NJASK administration did count toward a student's score.

English Language Arts

- An ANOVA test on NJASK4 English Language Arts scale scores of the elementary schools shows there is a slight difference among the buildings. When Mount Prospect is excluded, there is no significant difference.
- The percentage of district special education students at or above proficiency in English Language Arts is 68.1%; the J district average is 59.5%.

Mathematics

- An ANOVA test on NJASK4 Math scale scores of the elementary schools shows there is a significant difference among the buildings. When Mount Prospect is excluded, there is no significant difference.
- The percentage of district special education students at or above proficiency in math is 84.1% - the J district average is 76.5%.
- The mean scale score for mathematics is in the 'Advanced Proficient' range.
- The mean scale score for mathematics is at a five-year high.

Science

- An ANOVA test on NJASK4 Science scale scores of the elementary schools shows is a significant difference among the buildings. When Mount Prospect is excluded, there is no significant difference.
- The mean scale score for science is in the 'Advanced Proficient' range.
- The mean scale score for science is at a five-year high.

NJ ASK 5 (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
ELA (All Students)	92.4	88.6	233.3	226.9
ELA (GE)	97.3	94.2	237.7	231.7
ELA (SE)	61.4	59.3	205.3	201.8
Math (All Students)	97.2	94.8	269.8	261.3
Math (GE)	99.7	98.2	274.6	267.3
Math (SE)	80.7	76.2	238.2	229.4

NJ ASK 5 – Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	94.0	90.8	92.3	96.3
Math (All Students)	97.7	96.8	97.5	99.1

NJ ASK 5 – District Mean Scale Scores By Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	237.8	228.8	232.2	238.1
Math (All Students)	268.3	271.2	264.8	285.6

NJASK 5 – District Mean Scale Scores By Year

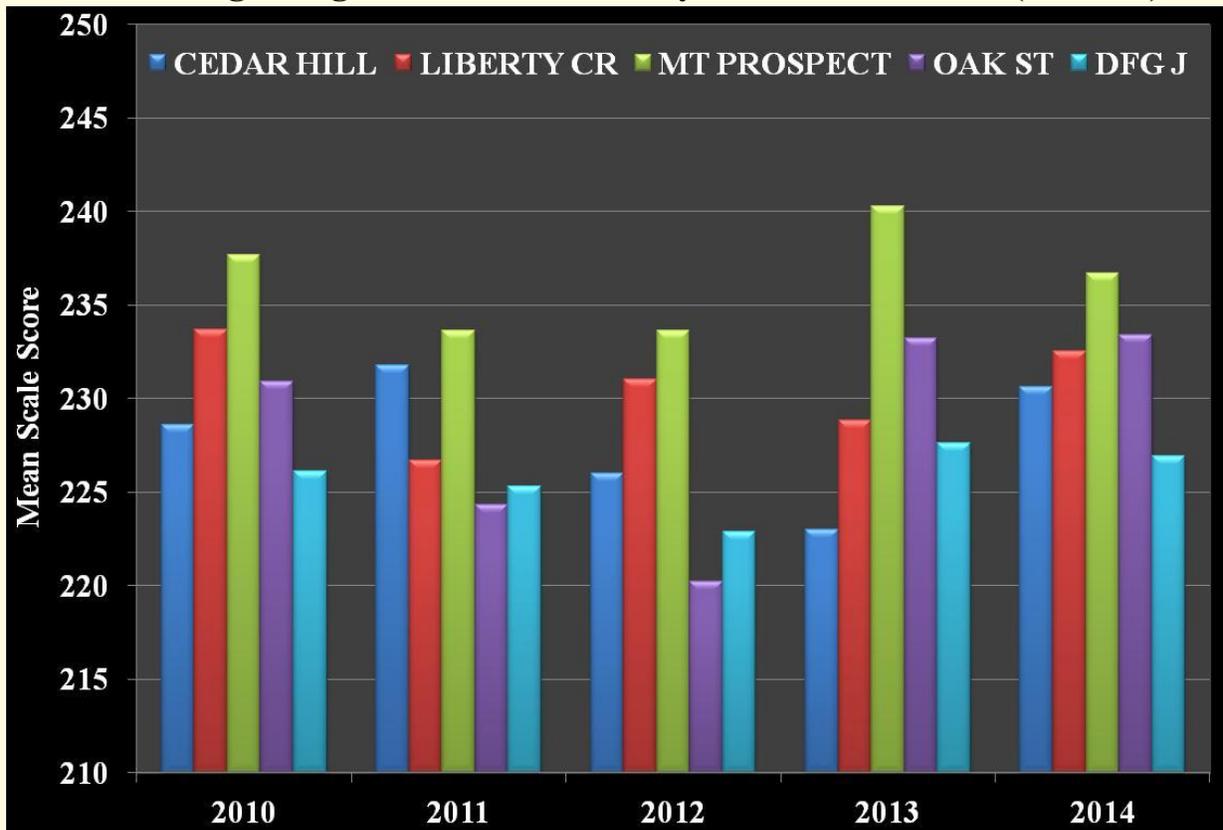
Student Population	2014	2013	2012	2011	2010
ELA (All Students)	233.3	231.6	227.4	229.3	233.2
ELA (GE)	237.7	237.4	231.6	233.0	237.2
ELA (SE)	205.3	201.8	204.7	211.5	204.5
Math (All Students)	269.8	269.2	266.1	265.3	264.6
Math (GE)	274.6	276.1	271.6	269.1	268.7
Math (SE)	238.2	234.4	237.6	246.9	235.2

NJ ASK 5 – Mean Scale Scores by School

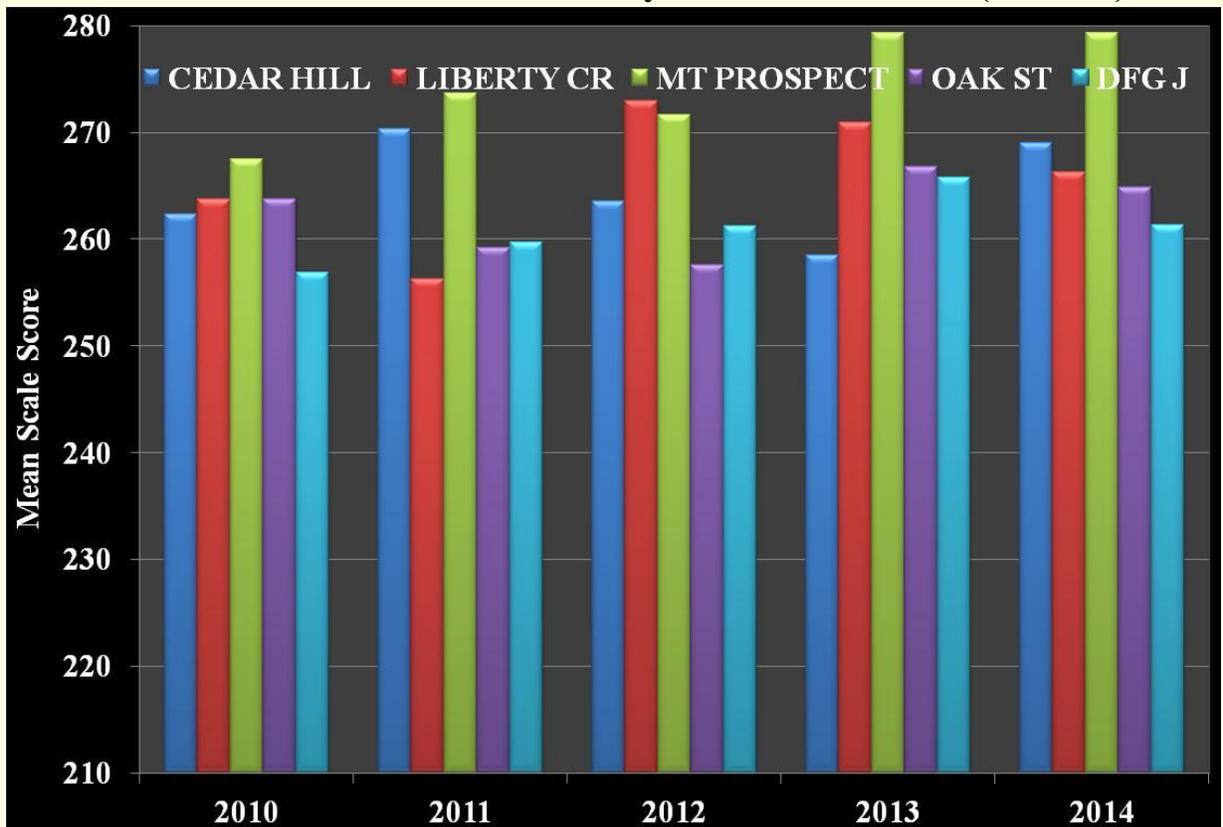
	CH	LC	MP	OS
ELA (All Students)	230.6	232.5	236.7	233.4
ELA (GE)	234.6	238.0	239.0	238.8
ELA (SE)	205.3	204.9	213.7	200.5
Math (All Students)	269.0	266.3	279.3	264.8
Math (GE)	274.5	271.5	281.9	270.2
Math (SE)	234.8	238.0	253.8	232.0

*Only reported for subgroups with a population greater than forty.

ASK-5 Eng. Lang. Arts Scale Scores by School and DFG J (2010-14)



ASK-5 Math Mean Scale Scores by School and DFG J (2010-14)



NJ ASK 5 – Summary of Statistics

English Language Arts

- An ANOVA test on NJASK-5 English Language Arts scale scores of the elementary schools shows there is no significant difference among the buildings.
- The mean scale score of all Bernards elementary schools exceeded the DFG J mean.

Mathematics

- An ANOVA test on NJASK-5 Math scale scores of the elementary schools shows there is a slight difference among the buildings.
- When Mount Prospect is excluded, there is no difference among the schools.
- The mean scale score of all Bernards elementary schools exceeded the DFG J mean. ¶
- The district mean scale score for mathematics is at a five-year high.

NJ ASK 6 (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
ELA (All Students)	91.2	90.7	234.6	231.5
ELA (GE)	98.1	96.3	240.9	236.2
ELA (SE)	58.5	58.0	203.0	204.1
Math (All Students)	95.4	95.3	259.6	257.4
Math (GE)	100	98.8	268.3	263.7
Math (SE)	71.2	74.0	212.9	218.9

NJ ASK 6 – Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	93.9	88.7	90.8	93.6
Math (All Students)	95.8	95.1	95.4	97.9

NJ ASK 6 – District Mean Scale Scores By Subgroup*

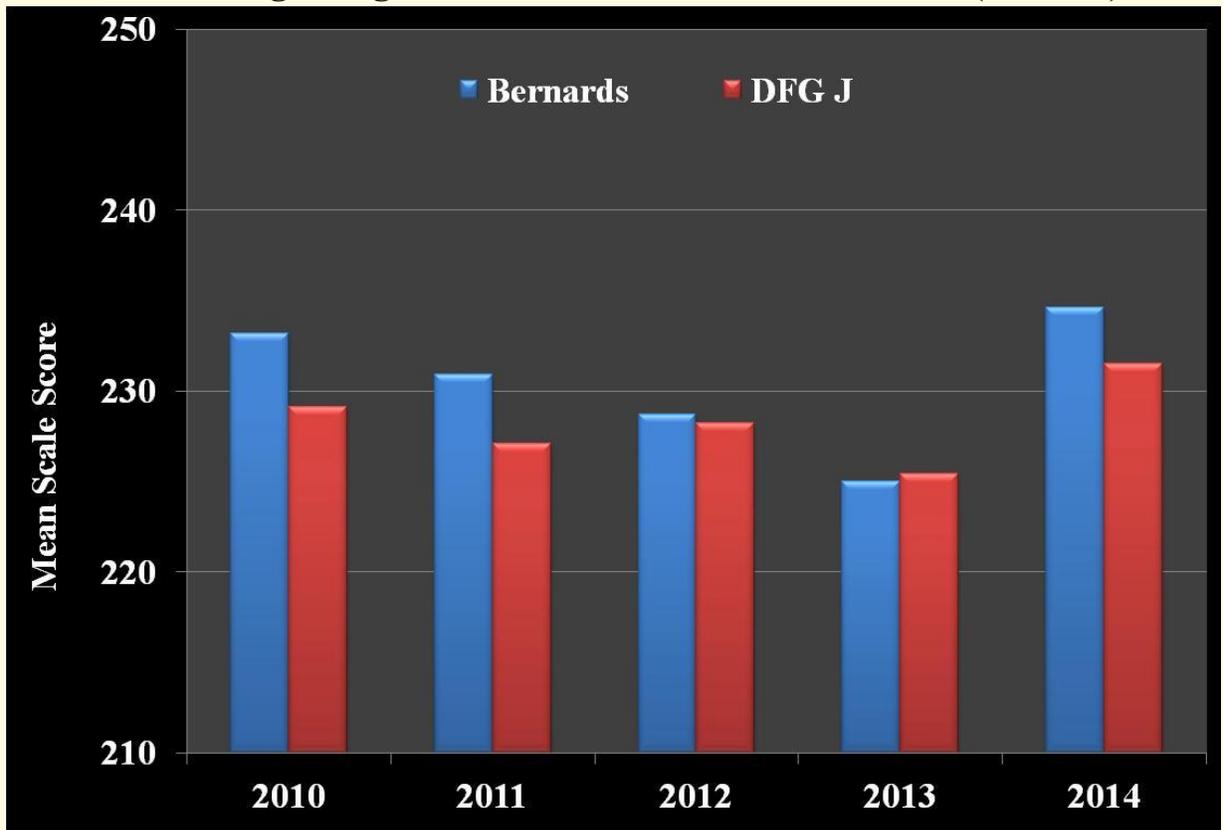
Student Population	Female	Male	White	Asian
ELA (All Students)	236.6	232.8	231.5	248.4
Math (All Students)	258.6	260.5	254.5	281.3

NJASK 6 – District Mean Scale Scores By Year

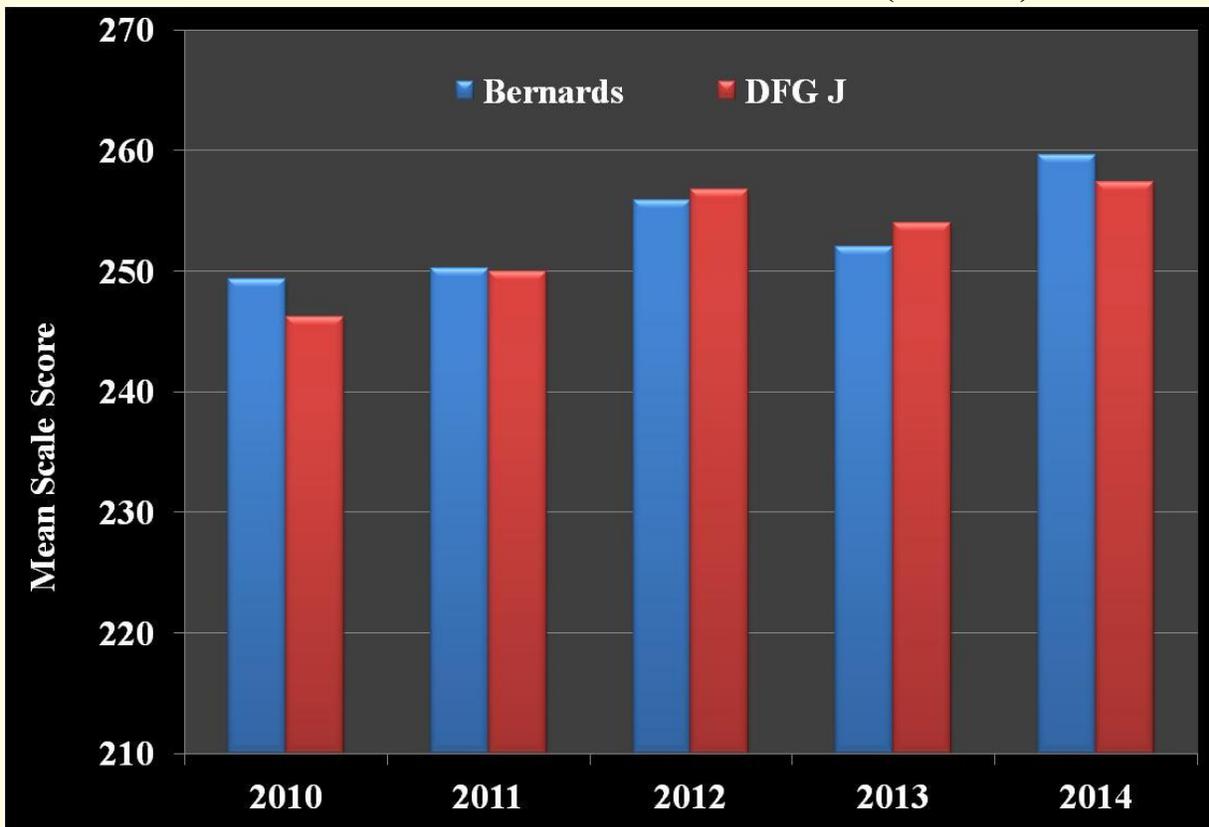
Student Population	2014	2013	2012	2011	2010
ELA (All Students)	234.6	225.0	228.7	230.9	233.2
ELA (GE)	240.9	229.1	231.6	234.3	238.4
ELA (SE)	203.0	200.8	210.0	202.7	201.8
Math (All Students)	259.6	252.0	255.9	250.2	249.3
Math (GE)	268.3	258.3	261.0	254.6	255.8
Math (SE)	212.9	213.3	223.7	213.9	209.5

*Only reported for subgroups with a population greater than forty.

ASK-6 Eng. Lang. Arts Mean Scale Scores vs. DFG J (2010-14)



ASK-6 Math Mean Scale Scores vs. DFG J (2010-14)



NJ ASK 7 (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
ELA (All Students)	91.6	89.5	239.8	236.9
ELA (GE)	98.0	95.1	246.2	242.6
ELA (SE)	53.2	56.5	199.9	203.3
Math (All Students)	90.0	90.0	248.0	248.4
Math (GE)	96.0	95.8	255.2	255.4
Math (SE)	50.8	55.3	200.6	206.1

NJ ASK 7 – Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	96.4	87.1	90.3	97.2
Math (All Students)	90.0	90.0	89.4	96.3

NJ ASK 7 – District Mean Scale Scores By Subgroup*

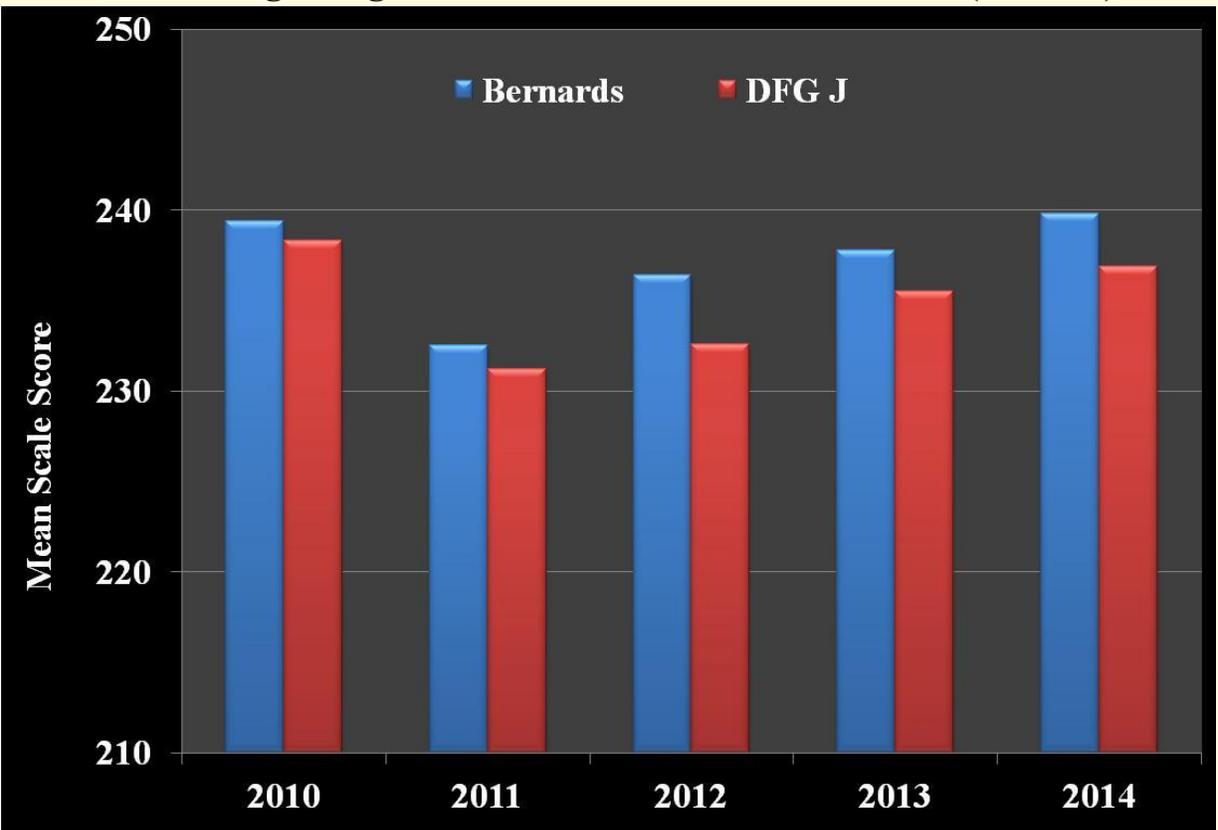
Student Population	Female	Male	White	Asian
ELA (All Students)	245.4	234.6	235.2	258.7
Math (All Students)	246.6	249.3	241.1	274.3

NJASK 7 – District Mean Scale Scores By Year

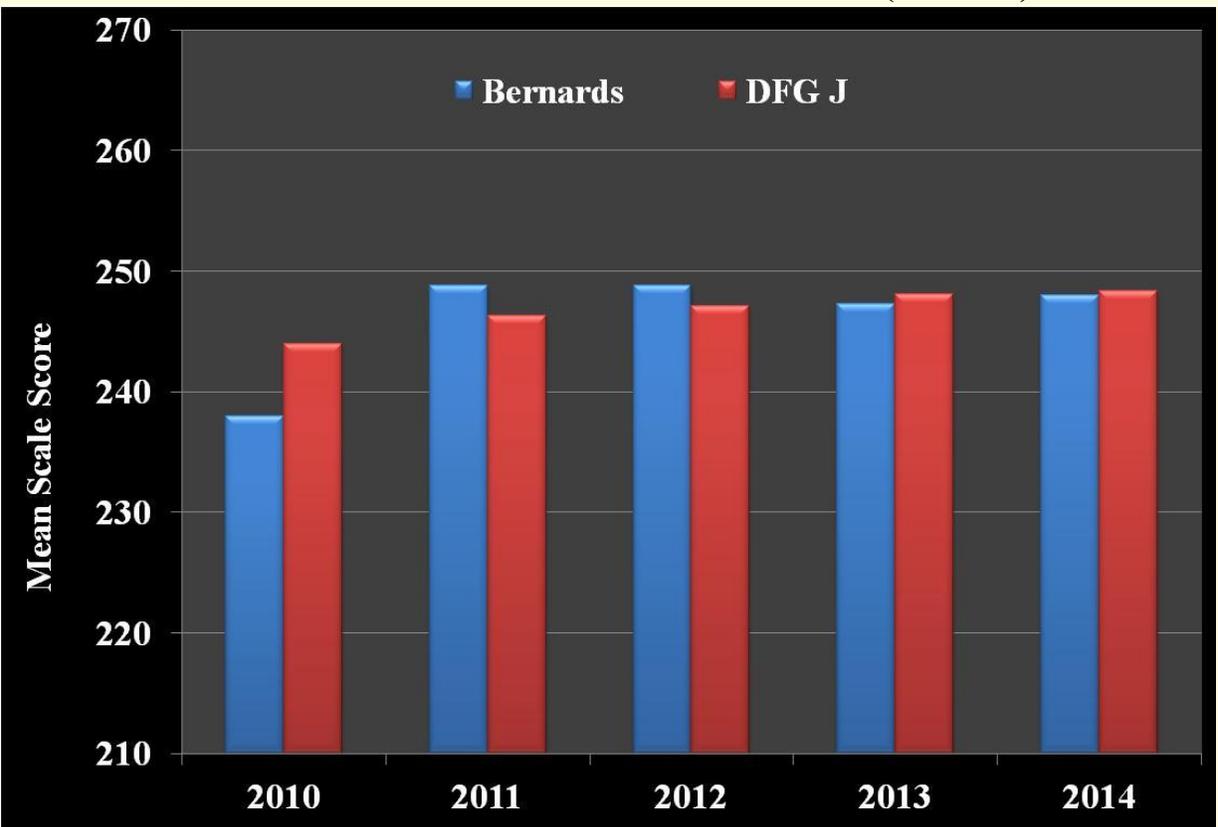
Student Population	2014	2013	2012	2011	2010
ELA (All Students)	239.8	237.8	236.4	232.5	239.4
ELA (GE)	246.2	241.5	240.2	238.1	243.4
ELA (SE)	199.9	214.9	208.1	197.8	210.3
Math (All Students)	248.0	247.3	248.8	248.8	238.0
Math (GE)	255.2	253.3	254.0	256.9	243.1
Math (SE)	200.6	207.6	208.6	200.6	200.1

*Only reported for subgroups with a population greater than forty.

ASK-7 Eng. Lang. Arts Mean Scale Scores vs. DFG J (2010-14)



ASK-7 Math Mean Scale Scores vs. DFG J (2010-14)



NJ ASK 8 (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
ELA (All Students)	97.1	95.9	240.6	239.0
ELA (GE)	99.2	98.9	243.9	242.7
ELA (SE)	84.6	77.4	218.3	214.8
Math (All Students)	95.3	92.1	260.6	257.9
Math (GE)	99.5	97.0	265.8	264.7
Math (SE)	63.5	59.8	222.1	212.6

NJ ASK 8 – Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
ELA (All Students)	96.1	98.2	97.4	98.2
Math (All Students)	96.5	96.1	94.5	98.2

NJ ASK 8 – District Mean Scale Scores By Subgroup*

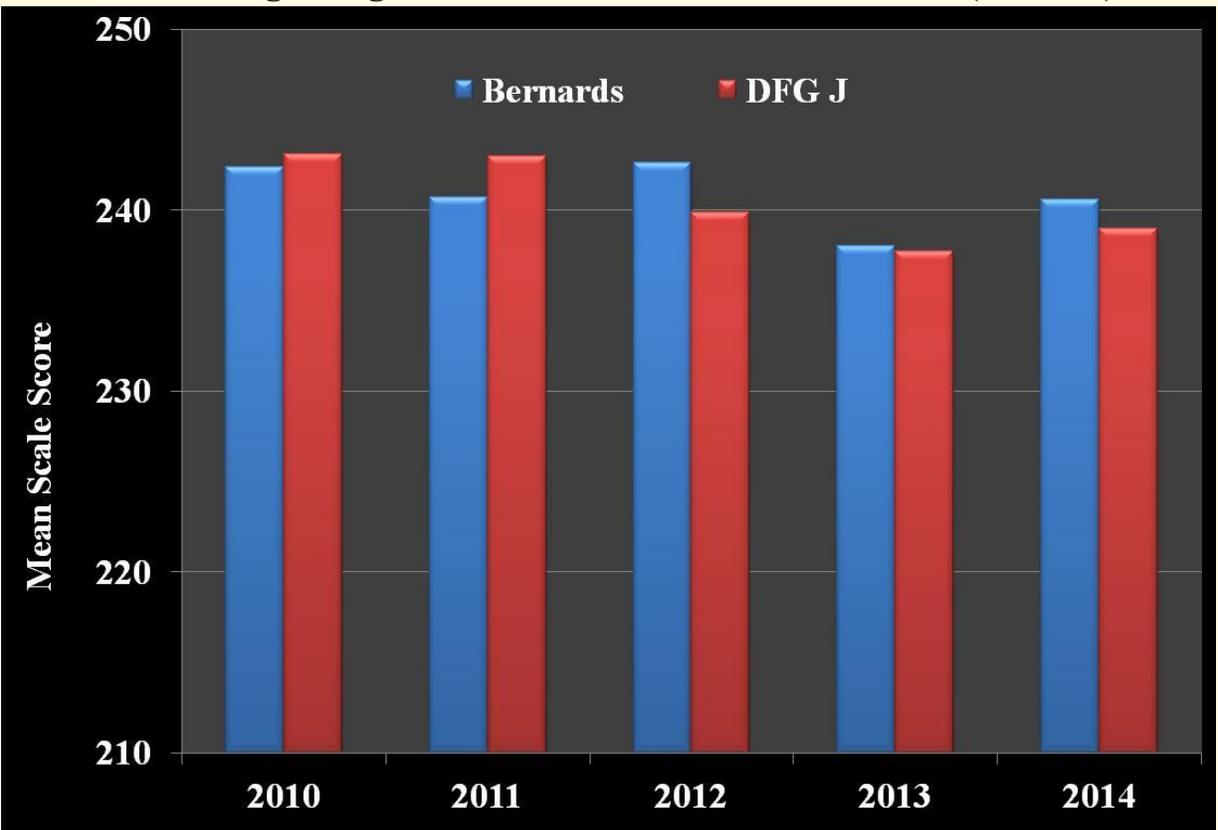
Student Population	Female	Male	White	Asian
ELA (All Students)	244.0	237.1	238.3	250.1
Math (All Students)	259.6	261.6	254.2	281.7

NJASK 8 – District Mean Scale Scores By Year

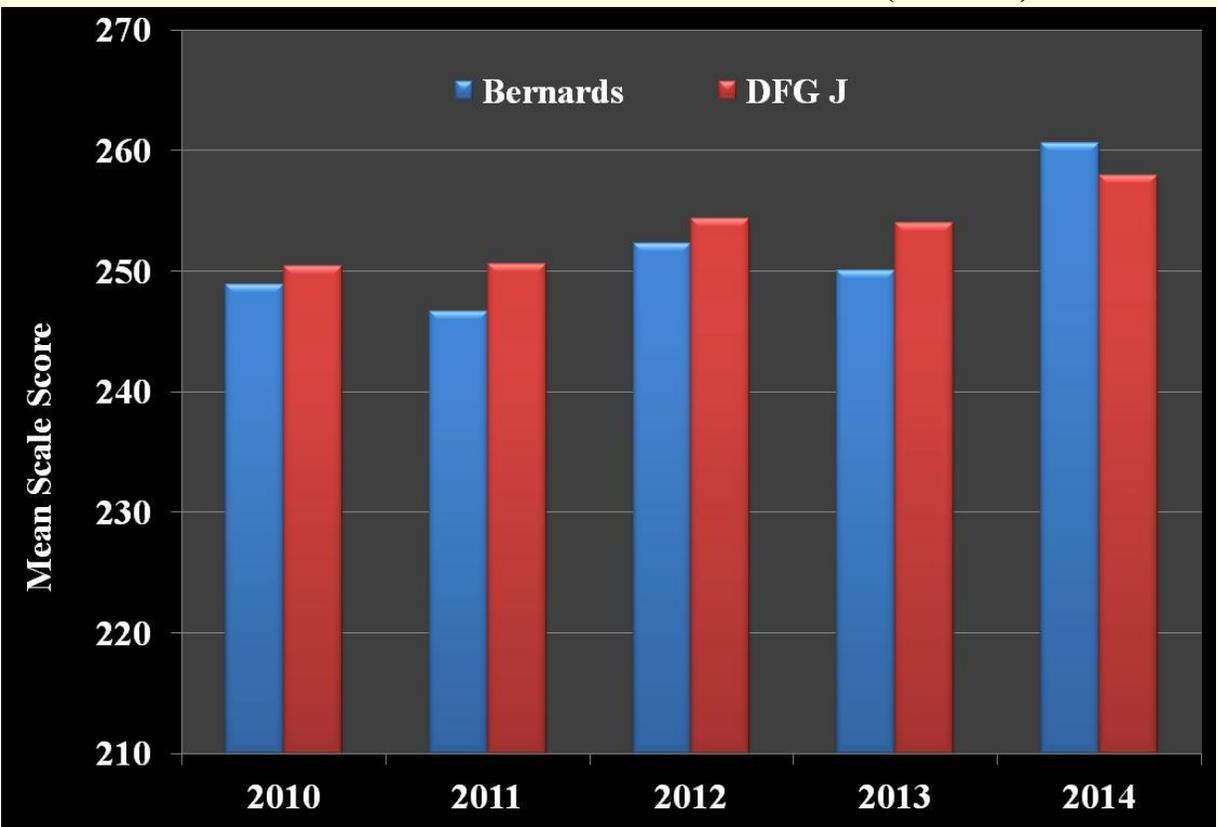
Student Population	2014	2013	2012	2011	2010
ELA (All Students)	240.6	238.0	242.6	240.7	242.4
ELA (GE)	243.9	240.4	247.2	244.9	246.1
ELA (SE)	218.3	218.1	213.6	213.7	218.5
Math (All Students)	260.6	250.1	252.3	246.7	248.9
Math (GE)	265.8	255.0	259.3	253.0	255.2
Math (SE)	222.1	209.5	207.3	203.8	208.5

*Only reported for subgroups with a population greater than forty.

ASK-8 Eng. Lang. Arts Mean Scale Scores vs. DFG J (2010-14)



ASK-8 Math Mean Scale Scores vs. DFG J (2010-14)



NJ ASK 8 Science (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
Science (All Students)	96.2	96.0	250.8	249.5
Science (GE)	99.0	98.7	254.0	253.8
Science (SE)	78.8	79.5	229.1	222.5

NJ ASK 8 Science – Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
Science (All Students)	96.9	95.5	96.4	97.3

NJ ASK 8 Science – District Mean Scale Scores By Subgroup*

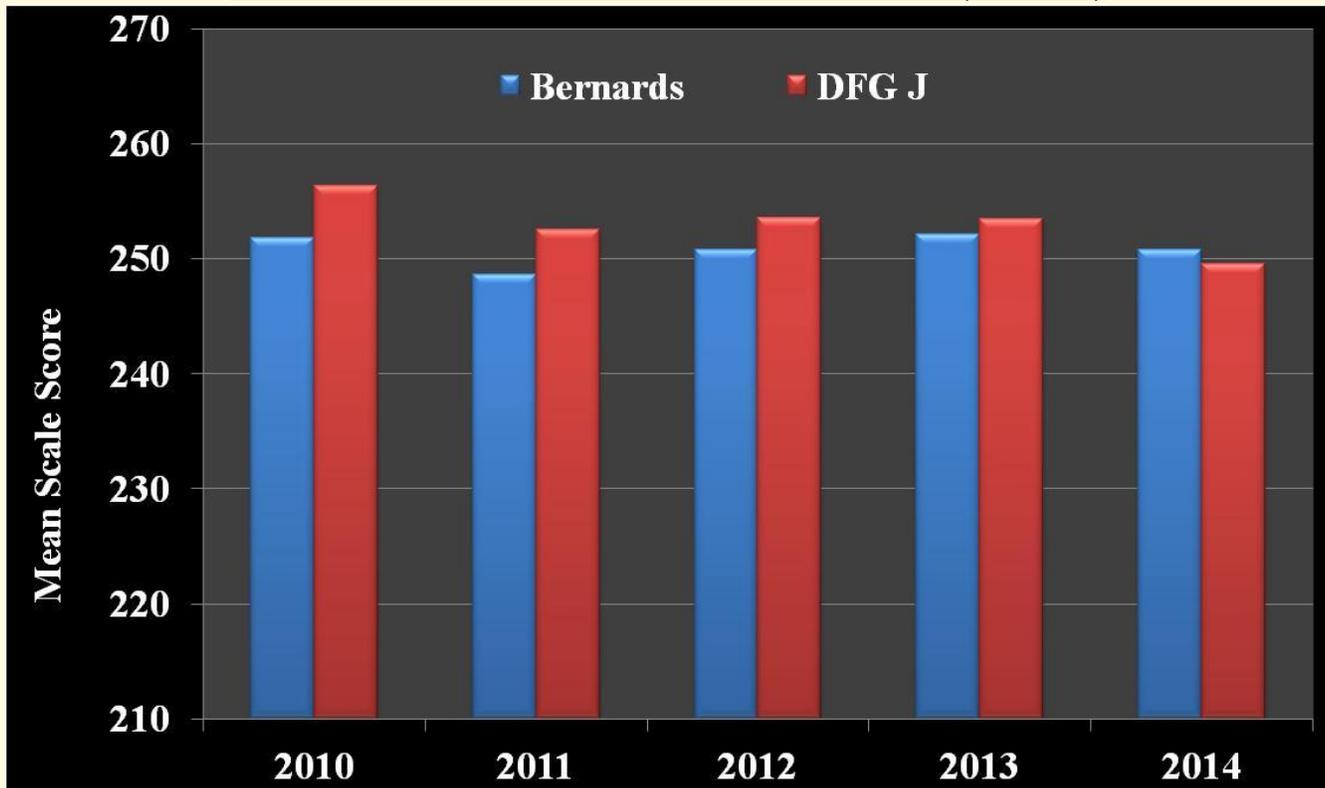
Student Population	Female	Male	White	Asian
Science (All Students)	250.6	251.0	247.3	263.6

*Only reported for subgroups with a population greater than forty.

NJ ASK 8 Science – District Mean Scale Scores By Year

Student Population	2014	2013	2012	2011	2010
Science (All Students)	250.8	252.1	250.8	248.6	251.8
Science (GE)	254.0	255.3	255.7	253.0	254.8
Science (SE)	229.1	224.8	220.3	219.3	232.0

ASK-8 Science Mean Scale Scores vs. DFG J (2010-14)



NJ ASK 6, NJ ASK 7, NJ ASK 8 – Summary of Statistics

NOTE: On the mathematics portion of the NJASK 6, NJ ASK 7, and NJ ASK 8, this was the first year that content was aligned to the CCSS.

Mathematics

- The district mean scale score for all students in sixth-grade mathematics is at a five-year high.
- 100% of general education students in sixth-grade scored at or above the state standards.
- The district mean scale score for all students in eighth grade is at a five-year high.
- The district mean scale score for all students in eighth grade is in the above proficient level.

HSPA¹ (2014)

	Percent at or Above State Standards		Mean Scale Score	
Student Population	Bernards	DFG J	Bernards	DFG J
LAL (All Students)	99.1	99.0	251.6	251.1
LAL (GE)	100	99.8	254.3	253.4
LAL (SE)	93.4	93.6	234.6	236.0
Math (All Students)	96.3	95.7	249.0	249.5
Math (GE)	98.7	98.0	253.8	253.1
Math (SE)	80.3	79.0	218.1	224.0

HSPA – Percent at or Above State Standards by Subgroup*

Student Population	Female	Male	White	Asian
LAL (All Students)	99.6	98.6	99.4	100
Math (All Students)	95.9	96.7	96.1	100

HSPA – District Mean Scale Scores By Subgroup*

Student Population	Female	Male	White	Asian
LAL (All Students)	254.3	248.6	251.2	256.7
Math (All Students)	247.8	250.4	247.4	260.6

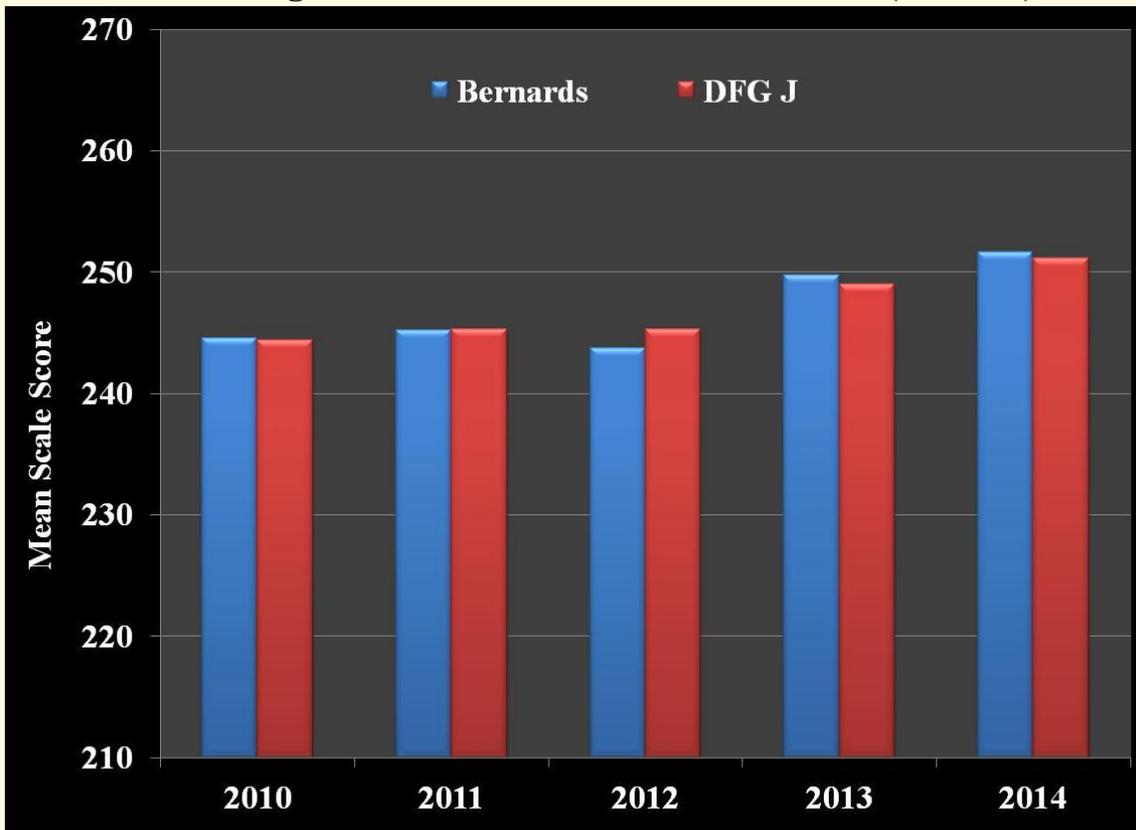
HSPA – District Mean Scale Scores By Year

Student Population	2014	2013	2012	2011	2010
LAL (All Students)	251.6	249.7	243.7	245.2	245.8
LAL (GE)	254.3	251.7	247.1	248.4	250.3
LAL (SE)	234.6	237.8	221.9	224.5	212.9
Math (All Students)	249.0	248.5	245.7	246.9	244.5
Math (GE)	253.8	252.2	250.6	251.9	247.2
Math (SE)	218.1	224.8	215.1	216.0	225.9

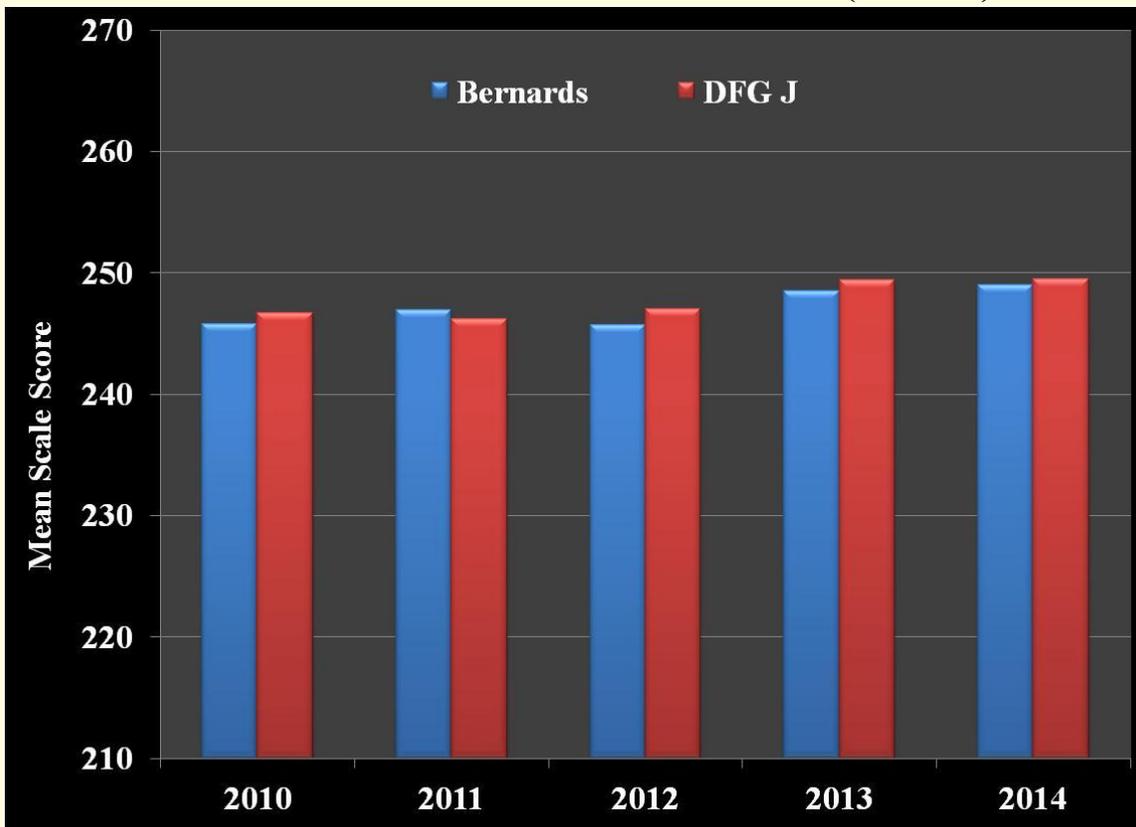
*Only reported for subgroups with a population greater than forty.

¹ First-time eleventh graders only.

HSPA Lang. Arts Mean Scale Scores vs. DFG J (2010-14)



HSPA Math Mean Scale Scores vs. DFG J (2010-14)



Summary of Statistics – HSPA

Language Arts Literacy

- The percentage of students at Advanced Proficient is 63.5%.
- 100% of general education students passed the exam.

Mathematics

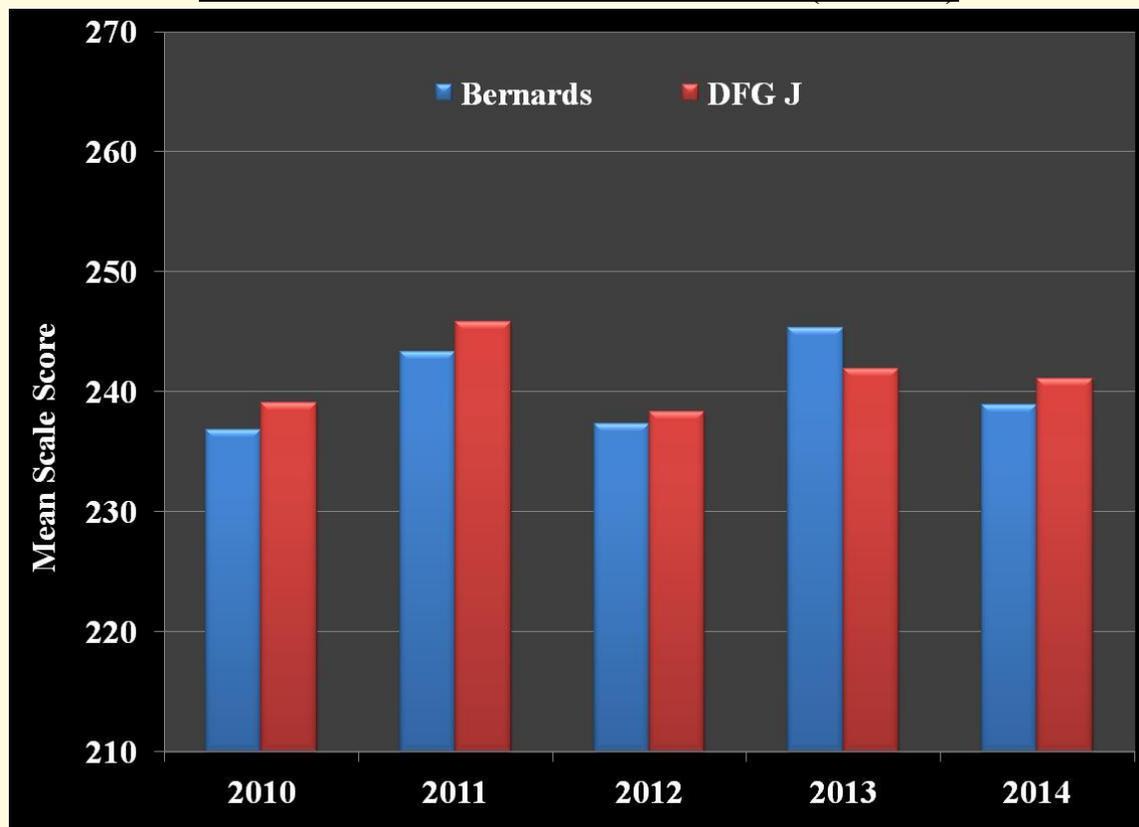
- The percentage of students at Advanced Proficient is 60.7%.

NJ Biology Competency Test (2014)

Percent At or Above State Standards & Mean Scale Score By Gender, & Subgroup*			
Student Population	Number of Students with a Valid Score	Percent at or Above State Standards	Mean Scaled Score²
All Students	493	84.0	238.9
DFG J (all students)	4,087	86.9	241.1
General Ed.	446	87.9	242.9
Special Ed.	47	46.8	201.2
Female	245	82.0	235.8
Male	242	85.5	242.0
White	362	81.5	232.8
Asian	104	94.2	262.2

*Only reported for subgroups with a population greater than forty.

NJ BCT Mean Scale Score vs. DFG J (2010-14)



² The scale scoring for the NJ Biology Competency Test (NJBCT)-formerly known as the End of Course Biology Test (EOC Bio)- ranges from 100 to 300.

	2012			2013			2014		
	Total Students	Gen Ed	Special Ed	Total Students	Gen Ed	Special Ed	Total Students	Gen Ed	Special Ed
Organization and Development	Below	Below	Below	Above	Above	Above	Below	Below	Below
Matter and Energy Transfer	Equal	Above	Below	Above	Above	Above	Below	Below	Below
Interdependence	Above	Above	Equal	Above	Above	Above	Below	Below	Below
Heredity and Reproduction	Below	Below	Below	Below	Equal	Below	Above	Above	Above
Evolution and Diversity	Below	Below	Below	Above	Above	Above	Below	Below	Equal
Performance Assessment Task	Below	Below	Below	Above	Above	Above	Above	Equal	Above

Summary of Statistics - NJBCT

The administration of the New Jersey Biology Competency Test (NJBCT) is a requirement; however, unlike the HSPA, a proficient score on this assessment is not a graduation requirement. Because of this there is a likelihood that some students do not make a best effort. Nevertheless, we continue to monitor overall student performance on this assessment and to look for opportunities to improve the high school biology program.

- The passing rate is high; however, it is lower than the DFG average
- District performance in the Heredity and Reproduction and the Performance Assessment Task were higher than the DFG mean; however, there are no discernable patterns in cluster group performance over the past three years.

SAT Reasoning Test

History

The SAT is a standardized test for college admissions in the United States. The SAT is owned, published, and developed by the College Board, a nonprofit organization. The test is intended to assess a student's readiness for college. It was first introduced in 1926, and its name and scoring have changed several times. It was first called the Scholastic Aptitude Test, then the Scholastic Assessment Test, but now it is simply called the "SAT," an acronym that does not stand for anything. The new SAT was introduced by College Board in 2005, and was first reported for the Class of 2006.

Structure

The current SAT takes three hours and forty-five minutes to complete, and is comprised of three sections Critical Reading (CR), Math (M), and Writing (W).

Scoring

Each individual test is scored on a scale of 200 to 800; therefore, possible scores range from 600 to 2400, combining test results from the three 800-point sections.

<http://sat.collegeboard.org/about-tests/sat>

The data provided by the College Board includes the latest SAT Reasoning scores for Ridge High School students in the graduating class of 2014.

Number of Test Takers

	Class of 2014	Class of 2013	Class of 2012	Class of 2011	Class of 2010
Ridge	341	331	374	372	390
N.J.	83,431	83,489	84,857	86,515	85,704

2014 SAT Mean Scores

	CR	M	W
Ridge	577	611	585
NJ	501	523	502
National	497	513	487

Critical Reading Section Mean Scores by Subgroup (2010-2014)

Class of	Mean SAT score	25 th Percentile Score	75 th Percentile Score	Female	Male	White	Asian
2014	577	500	640	566	587	560	637
2013	568	500	630	573	563	560	623
2012	571	500	640	572	570	558	639
2011	577	500	640	568	586	568	640
2010	573	490	650	572	573	563	639

Math Section Mean Scores by Subgroup (2010-2014)

Class of	Mean SAT score	25 th Percentile Score	75 th Percentile Score	Female	Male	White	Asian
2014	611	540	690	591	630	588	703
2013	597	530	670	590	603	586	679
2012	603	540	670	589	618	589	680
2011	595	530	670	577	612	584	671
2010	600	540	670	585	615	585	686

Writing Section Mean Scores by Subgroup (2010-2014)

Class of	Mean SAT score	25 th Percentile Score	75 th Percentile Score	Female	Male	White	Asian
2014	585	500	670	588	582	565	658
2013	573	500	650	593	554	566	634
2012	576	500	650	582	568	561	660
2011	578	500	660	589	568	570	653
2010	579	510	650	582	575	566	654

SAT Subject Tests

History

Subject Tests are hour-long, content-based tests that allow students to demonstrate achievement in specific subject areas. Until 1994, the SAT Subject Tests were known as Achievement Tests, and until January 2005, they were known as SAT II: Subject Tests. Many colleges use the SAT Subject Tests for admission, for course placement, and to advise students about course selection. Some colleges specify the SAT Subject Tests that they require for admission or placement; others allow applicants to choose which tests to take.

Structure

There are 20 SAT Subject Tests in five general subject areas: English, history, languages, mathematics and science. A few important notes:

- The Mathematics Level 1 Subject Test assesses the knowledge gained from three years of college-preparatory mathematics, including two years of algebra and one year of geometry.
- The Mathematics Level 2 Subject Test covers the same material as the Mathematics Level 1 test, with the addition of trigonometry and elementary functions (precalculus).
- Biology Ecological (E) leans more toward biological communities, populations and energy flow.
- Biology Molecular (M) is geared toward biochemistry, cellular structure and processes, such as respiration and photosynthesis.

Scoring

Each individual test is scored on a scale of 200 to 800.

<http://sat.collegeboard.org/about-tests/sat-subject-tests>

The data provided by the College Board includes the latest SAT Subject Test scores for Ridge High School students in the graduating class of 2014.

SAT Subject Test Mean Scores (2010 – 2014)

	Literature	Math Level 1	Math Level 2	Biology (M)	Biology (E)	Chem	Physics
2014	668	671	720	698	676	677	715
2013	662	660	715	674	680	647	727
2012	648	647	692	651	673	615	684
2011	640	649	713	685	635	633	704
2010	649	635	699	664	606	660	696

	World History	US History	Latin	Spanish	French	Italian
2014	◆	667	◆	595	641	◆
2013	584	659	682	682	◆	678
2012	◆	665	◆	598	670	662
2011	641	632	678	590	◆	◆
2010	◆	640	◆	◆	◆	◆

Summary of Statistics

SAT Reasoning Test

- 341 students of the class of 2014 took the SAT test.
- In 2014, The Ridge High mean score in all three sections increased by the largest amount in five years: Critical Reading +9; Math +14; and Writing +12

SAT Subject Tests

- 443 SAT Subject tests were taken by the 156 test takers among the class of 2014.
- 46% of SAT Takers took at least one Subject test.

Advanced Placement Exams

The Advanced Placement (AP) program is sponsored by the College Board and offers standardized courses to high school students that are generally recognized to be equivalent to undergraduate courses in college.

Structure

There are currently 34 courses and exams available through the AP Program. The length of each test, the number of questions included, and the types of questions all vary. Asterisks indicate subjects that were offered at Ridge High School in 2014.

1. Art History
2. Biology*
3. Calculus AB*
4. Calculus BC*
5. Chemistry*
6. Chinese Language and Culture
7. Computer Science A
8. English Language and Composition*
9. English Literature and Composition*
10. Environmental Science*
11. European History*
12. French Language*
13. German Language
14. Government and Politics: Comparative
15. Government and Politics: United States*
16. Human Geography*
17. Italian Language and Culture*
18. Japanese Language and Culture*
19. Latin: Vergil*
20. Macroeconomics*
21. Microeconomics
22. Music Theory
23. Physics B*
24. Physics C: Electricity and Magnetism*
25. Physics C: Mechanics*
26. Psychology*
27. Spanish Language*
28. Spanish Literature
29. Statistics*
30. Studio Art: 2-D Design*
31. Studio Art: 3-D Design*
32. Studio Art: Drawing*
33. United States History*
34. World History

Scoring

- 5 = Extremely well qualified
- 4 = Well qualified

- 3 = Qualified
- 2 = Possibly qualified
- 1 = No recommendation

Most colleges consider a 3 a passing grade; however, many selective colleges will only grant college credit to students with a 4 or better.

<http://apcentral.collegeboard.com/apc/Controller.jspf>

Ridge High School AP Exam Data 2014

- 480 students took one or more AP exams.
- 1347 exams were administered in twenty four subject areas.
- 98% of exams received a passing score of 3 or better. This percentage is the *AP Excellence Score* that is often used for state and national rankings.

AP Participation by Year

Year	Tests Administered	Students who took 1 or more AP test	% 3 or higher	Ratio of AP students to students in grades 11 & 12
2014	1347	480	98%	0.52
2013	1372	471	95%	0.54
2012	1485	486	89%	0.56
2011	1396	483	86%	0.57
2010	1458	499	89%	0.59

English AP Trends

Language & Composition			
Year	#of Students Enrolled	# of Test Takers	% Passing Score [†]
2014	98	99	99%
2013	80	78	98
2012	107	107	97
2011	138	134	95
2010	112	112	95

Literature & Composition			
Year	#of Students Enrolled	# of Test Takers	% Passing Score [†]
2014	72	50	96%
2013	83	56	96
2012	101	94	95

2011	97	94	90
2010	121	118	95

† Passing score is a 3, 4, or 5.

Mathematics AP Trends

	Calculus AB			Calculus BC		
Year	#of Students Enrolled	# of Test Takers	% Passing Score [†]	#of Students Enrolled	# of Test Takers	% Passing Score [†]
2014	85	78	97%	51	48	98%
2013	97	94	98	39	38	97
2012	101	96	89	41	38	76
2011	105	95	62	29	27	85
2010	122	114	66	41	41	100

AP Statistics			
Year	#of Students Enrolled	# of Test Takers	% Passing Score [†]
2014	73	65	100%
2013	74	64	97
2012	75	73	89
2011	85	80	95
2010	67	66	89

[†]Passing score is a 3, 4, or 5.

Science AP Trends

	Biology			Chemistry		
Year	#of Students Enrolled	# of Test Takers	% Passing Score[†]	#of Students Enrolled	# of Test Takers	% Passing Score[†]
2014	83	76	99%	38	27	96%
2013	66	64	94	32	29	79
2012	48	46	83	52	47	72
2011	46	45	85	34	34	85
2010	44	44	84	29	29	83
	Environmental Science			Physics B		
Year	#of Students Enrolled	# of Test Takers	% Passing Score[†]	#of Students Enrolled	# of Test Takers	% Passing Score[†]
2014	101	84	89%	80	74	100%
2013	111	95	79	82	80	99
2012	123	114	81	102	102	89
2011	83	67	64	84	84	88
2010	97	90	71	88	87	93
	Phys C: Mechanics			Phys C: Electricity & Magnetism		
Year	#of Students Enrolled	# of Test Takers	% Passing Score[†]	#of Students Enrolled	# of Test Takers	% Passing Score[†]
2014	37	34	100%	37	34	100%
2013	42	31	100	42	31	100
2012	30	28	100	30	29	90

2011	24	22	95	24	22	86
2010	26	25	100	26	25	92

† **Passing score is a 3, 4, or 5.**

Social Studies AP Trends

	Government & Politics			Macroeconomics		
Year	#of Students Enrolled	# of Test Takers	% Passing Score[†]	#of Students Enrolled	# of Test Takers	% Passing Score[†]
2014	108	106	100%	108	103	99%
2013	159	157	99	159	156	96
2012	170	167	86	170	167	92
2011	185	180	84	185	180	90
2010	157	154	87	157	157	89
	Psychology			Human Geography		
Year	#of Students Enrolled	# of Test Takers	% Passing Score[†]	#of Students Enrolled	# of Test Takers	% Passing Score[†]
2014	203	179	96%	153	103	98%
2013	223	218	95	99	83	94
2012	188	150	98	0	0	◆
2011	159	177	91	0	0	◆
2010	153	183	95	0	2	◆
	US History			European History		
Year	#of Students Enrolled	# of Test Takers	% Passing Score[†]	#of Students Enrolled	# of Test Takers	% Passing Score[†]
2014	37	29	97%	28	21	95%
2013	46	39	95	29	26	100
2012	92	83	71	14	11	100
2011	71	67	88	45	38	89

2010	83	74	97	81	73	99
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†Passing score is a 3, 4, or 5.

World Language AP Trends

	French			Spanish		
Year	#of Students Enrolled	# of Test Takers	% Passing Score [†]	#of Students Enrolled	# of Test Takers	% Passing Score [†]
2014	22	19	100%	23	19	100%
2013	5	5	100	10	2	◆
2012	28	20	85	11	12	100
2011	7	7	83	19	16	88
2010	8	8	38	18	14	100
	Latin ³			Italian ⁴		
Year	#of Students Enrolled	# of Test Takers	% Passing Score [†]	#of Students Enrolled	# of Test Takers	% Passing Score [†]
2014	42	35	97%	24	18	100%
2013	0	N/A	N/A	20	18	100
2012	19	18	100	17	17	100
2011	20	N/A	N/A	13	N/A	N/A
2010	30	29	100	21	N/A	N/A
	Japanese ⁵					
Year	#of Students Enrolled	# of Test Takers	% Passing Score [†]			
2014	7	6	83%			
2013	7	5	80			
2012	5	4	◆			

³The AP Latin results for 2010 and 2012 are for the AP Latin: Vergil exam. This exam was changed to AP Latin and the course is offered every other year at Ridge HS.

⁴ The AP Italian Language and Culture Exam was discontinued following the 2009 AP Exam administration and was reinstated in the 2011-12 school year.

⁵ The AP Japanese course/exam is now offered only every other year by Ridge High School.

2011	0	0	◆
2010	6	5	60

Fine and Practical Arts AP Trends

Studio Art: Drawing⁶			
Year	#of Students Enrolled	# of Test Takers	% Passing Score[†]
2014	25	25	96%
2013	23	18	94
2012	27	22	100
2011	14	12	100
2010	25	19	100

Studio Art: 2-D Design			
Year	#of Students Enrolled	# of Test Takers	% Passing Score[†]
2014	6	4	◆
2013	*see footnote	2	◆
2012	*	4	◆
2011	*	0	◆
2010	*	5	◆

[†]Passing score is a 3, 4, or 5.

⁶ Students in AP Studio Art decide which AP Studio Art assessment to take. Drawing is the most popular.

Summary of Statistics – AP Exams

- The percentage of students scoring a 3 or better on AP tests increased to an all-time high of 98% -the percentage had remained steady at about 90%.
- The AP participation – defined as a student taking at least one AP exam - decreased to 52%
- In 2014 the total number of AP tests taken and AP participation decreased.
- Most other DFG J high schools have greater increase in AP participation over the last 5 years.

ACT Exam

History

The ACT is a standardized test for college admissions in the United States. Like the SAT, the test is also intended to assess a student's readiness for college. The American College Testing Program was founded in 1959. Instead of focusing on the identification of the most academically able students for admission to the nation's selective universities, ACT's first testing program, the ACT Assessment, was designed to help students make better decisions about which colleges to attend and which programs to study, and to provide information helpful to colleges both in the process of admitting students and in ensuring their success after enrollment. In late 1996, the name was changed from American College Testing to ACT.

<http://www.act.org/aboutact/history.html>

Structure

The ACT consists of multiple-choice tests in English, Mathematics, Reading, and Science. The ACT is also offered with an optional Writing test. Total testing time is 2 hours and 55 minutes (without writing), or 3 hours and 25 minutes (with writing).

<http://www.actstudent.org/testprep/descriptions/>

Scoring

Each individual section is scored on a scale from 1 to 36. A composite score is then calculated by averaging the scores from each section. Therefore, possible scores range from 1 to 36.

<http://www.actstudent.org/scores/understand/>

Number of Test Takers*

	Class of 2014	Class of 2013	Class of 2012	Class of 2011	Class of 2010
Ridge	280	286	287	243	227
N.J	26,182	24,202	22,179	20,796	19,177

*Neither ACT nor the State of N.J. provides ACT information by DFG.

2014 ACT Average Scores

	Composite	English	Math	Reading	Science
Ridge	26.2	26.2	26.5	26.1	25.5
NJ	23.1	22.8	23.7	23.1	22.4

Average Scores 2010-2014

Class of	Composite	English	Math	Reading	Science
2014	26.2	26.2	26.5	26.1	25.5
2013	25.8	25.3	26.6	26.0	25.1
2012	25.6	25.2	26.0	25.5	24.9
2011	25.4	25.4	26.0	25.3	24.7
2010	25.4	25.2	26.0	25.6	24.4

Comparison to Comparable DFG "J" School Districts

The data for this analysis was taken from the 2008-09, 2009-10, and 2010-11 New Jersey School Report Cards and starting in 2011-12,⁷ the new NJ School Performance Reports. All are available on the NJ Department of Education website⁷. More recent data for spring 2014 Advanced Placement, SAT and state-wide testing will be available in the 2013-14 NJ School Performance Reports due out in February 2015.

Nine of the 10 comparable school districts are K-12 districts belonging to the top DFG, category *J*. The last district, Northern Highlands Regional, is a grade 9-12 *J* district to which only high school-level tests will be compared.

The analysis focused on Advanced Placement data and the percentage of students scoring advanced proficient in two major progress indicators, NJASK 8 and HSPA. Included at the end is a summary of SAT data from the eight districts.

Advanced Placement Participation- Grades 11 & 12

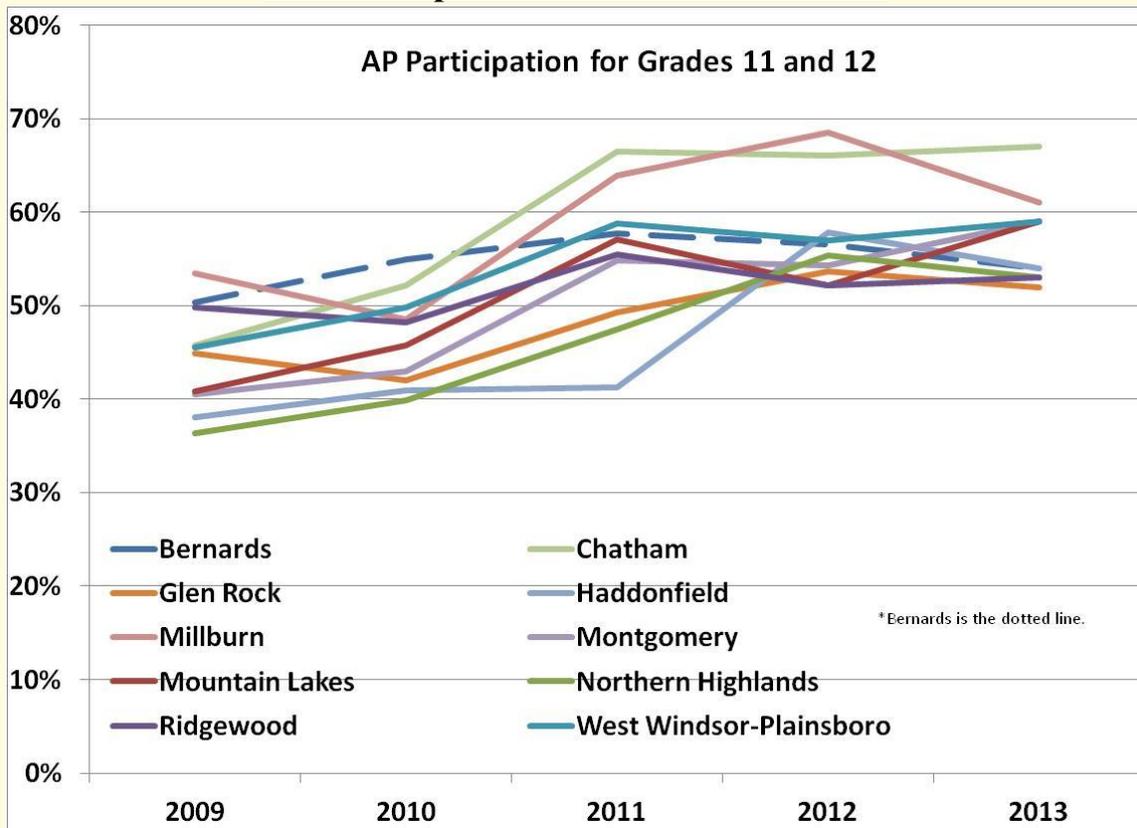
	2009	2010	2011	2012	2013
Bernards	50%	55%	58%	57%	55%
Chatham	46%	52%	67%	66%	67%
Glen Rock	45%	42%	49%	54%	52%
Haddonfield	38%	41%	41%	58%	54%
Millburn	53%	49%	64%	69%	61%
Montgomery	41%	43%	55%	54%	59%
Mountain Lakes	41%	46%	57%	52%	59%
Northern Highlands	36%	40%	48%	55%	53%
Ridgewood	50%	48%	56%	52%	53%
West Windsor-Plainsboro	46%	50%	59%	57%	59%

⁷ <http://education.state.nj.us/pr/>

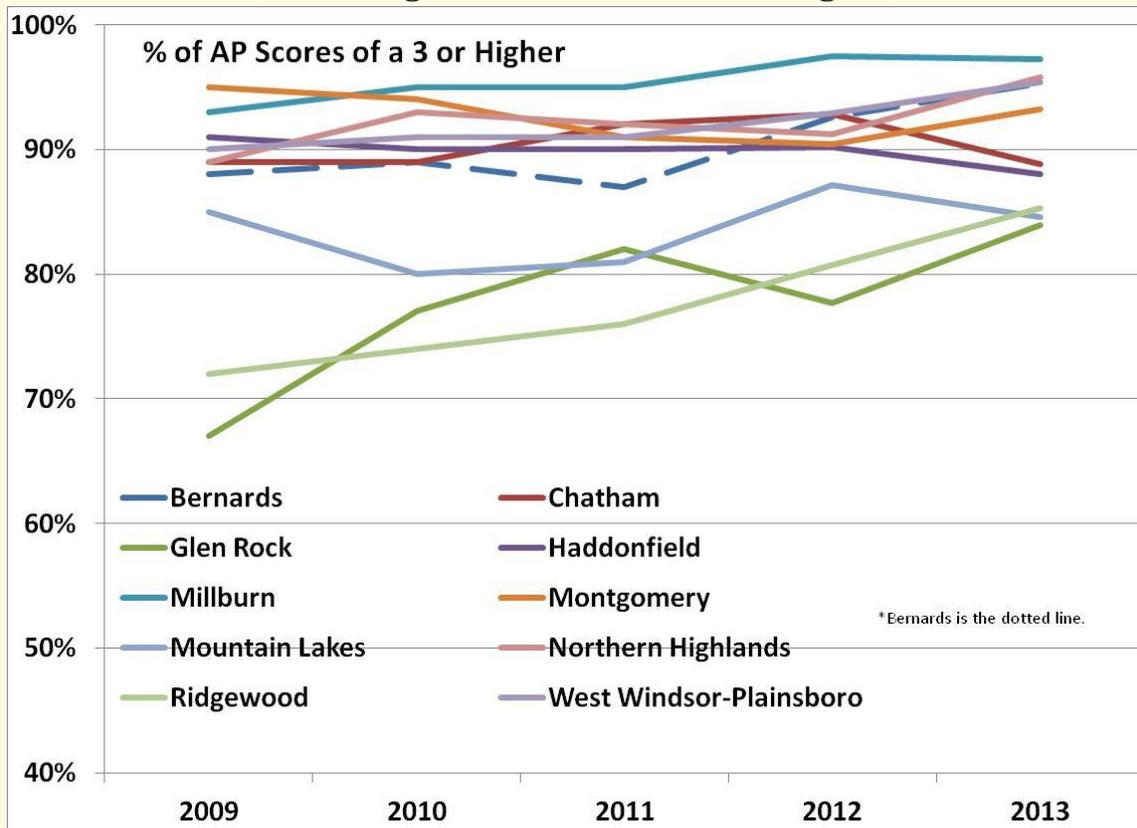
Advanced Placement Grades of 3 or Higher

	2009	2010	2011	2012	2013
Bernards	88%	89%	87%	93%	95%
Chatham	89%	89%	92%	93%	89%
Glen Rock	67%	77%	82%	78%	84%
Haddonfield	91%	90%	90%	90%	88%
Millburn	93%	95%	95%	98%	97%
Montgomery	95%	94%	91%	90%	93%
Mountain Lakes	85%	80%	81%	87%	85%
Northern Highlands	89%	93%	92%	91%	96%
Ridgewood	72%	74%	76%	81%	85%
West Windsor-Plainsboro	90%	91%	91%	93%	95%

AP Participation for Grades 11 and 12



Percentage of AP Scores of 3 or Higher



NJ Testing Data⁸

2012-13 Percentages of Advanced Proficient Scores

	NJASK 8 ELA	NJASK 8 Math	NJASK 8 Science	HSPA LAL	HSPA Math
Bernards	30%	57%	62%	56%	58%
Chatham	27%	59%	64%	59%	56%
Glen Rock	29%	70%	67%	56%	64%
Haddonfield	25%	61%	51%	59%	55%
Millburn	36%	54%	61%	60%	73%
Montgomery	32%	72%	74%	56%	68%
Mountain Lakes	34%	62%	64%	60%	55%
Northern Highlands	--	--	--	54%	59%
Ridgewood	33%	63%	54%	55%	66%
West Windsor- Plainsboro	37%	64%	64%	56%	69%

11-12 Percentages of Advanced Proficient Scores

	NJASK 8 ELA	NJASK 8 Math	NJASK 8 Science	HSPA LAL	HSPA Math
Bernards	40%	55%	58%	43%	56%
Chatham	40%	59%	64%	49%	58%
Glen Rock	25%	47%	57%	35%	50%
Haddonfield	30%	54%	46%	53%	63%
Millburn	40%	60%	64%	49%	63%
Montgomery	38%	68%	69%	46%	61%
Mountain Lakes	30%	57%	62%	43%	48%
Northern Highlands	--	--	--	43%	54%
Ridgewood	28%	61%	55%	40%	59%
West Windsor- Plainsboro	38%	66%	65%	53%	64%

⁸ The data for this section were taken for the New Jersey State Summary reports for NJASK 8 and HSPA which can be found at <http://www.state.nj.us/education/schools/achievement/13/>

2010-11 Percentages of Advanced Proficient Scores

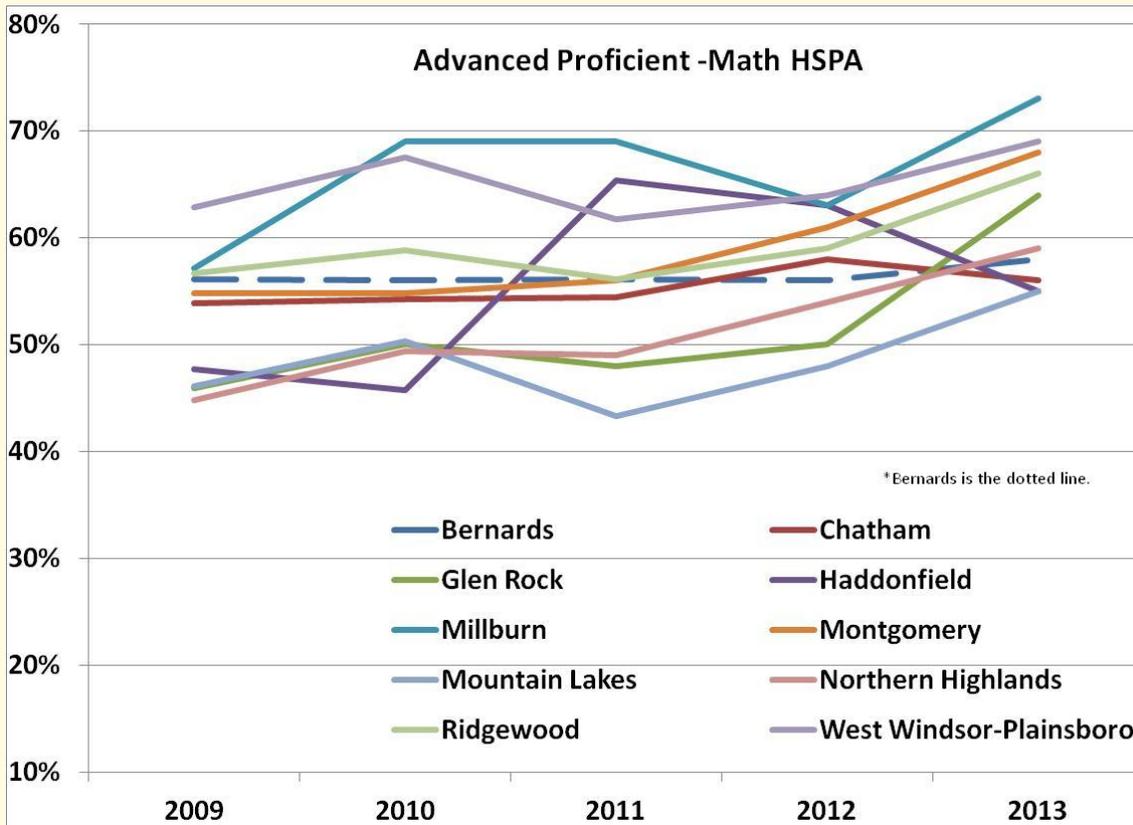
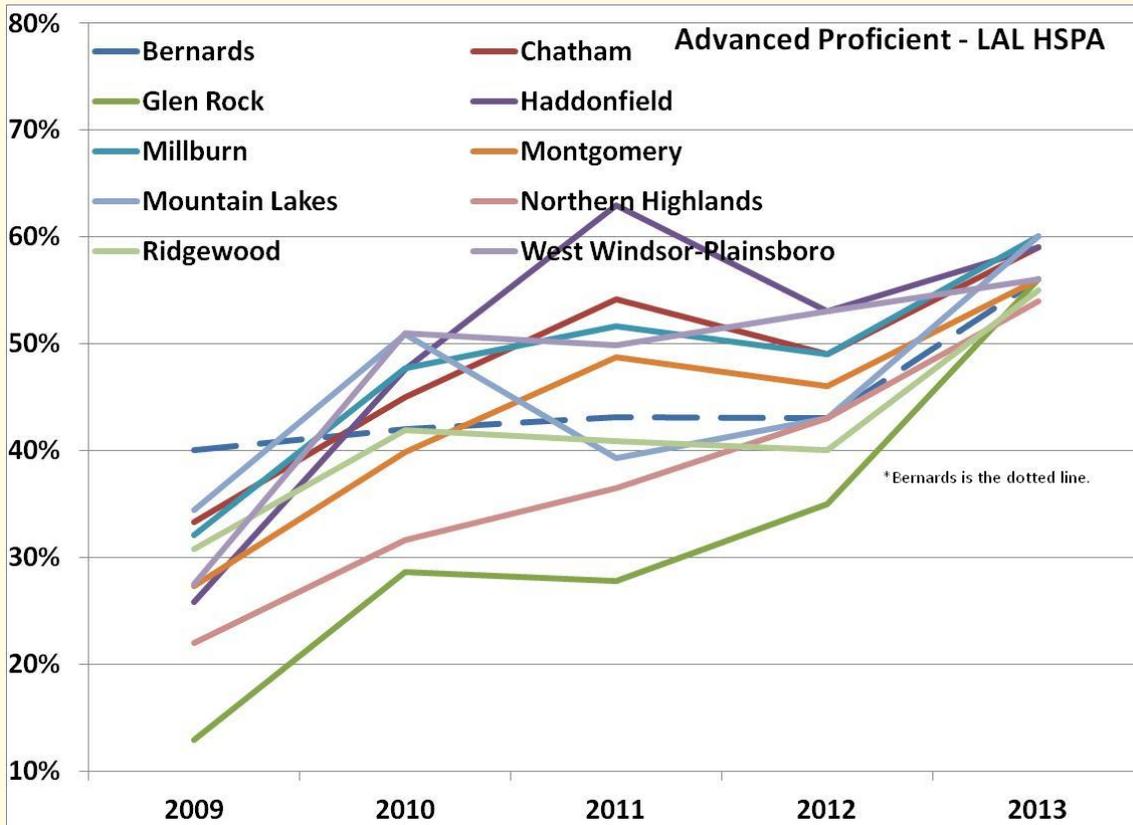
	NJASK 8 ELA	NJASK 8 Math	NJASK 8 Science	HSPA LAL	HSPA Math
Bernards	36%	52%	53%	43%	56%
Chatham	46%	53%	60%	54%	54%
Glen Rock	37%	40%	45%	28%	48%
Haddonfield	38%	57%	50%	63%	65%
Millburn	48%	59%	65%	52%	69%
Montgomery	38%	54%	60%	49%	56%
Mountain Lakes	34%	56%	58%	39%	43%
Northern Highlands	--	--	--	37%	49%
Ridgewood	36%	55%	51%	41%	56%
West Windsor- Plainsboro	50%	67%	62%	50%	62%

2009-10 Percentages of Advanced Proficient Scores

	NJASK 8 ELA	NJASK 8 Math	NJASK 8 Science	HSPA LAL	HSPA Math
Bernards	40%	54%	55%	42%	56%
Chatham	42%	55%	60%	45%	54%
Glen Rock	35%	48%	54%	29%	50%
Haddonfield	40%	58%	51%	48%	46%
Millburn	49%	50%	57%	48%	69%
Montgomery	39%	55%	70%	40%	55%
Mountain Lakes	36%	50%	57%	51%	50%
Northern Highlands	--	--	--	32%	49%
Ridgewood	40%	50%	59%	42%	59%
West Windsor- Plainsboro	48%	66%	62%	51%	68%

2008-09 Percentages of Advanced Proficient Scores

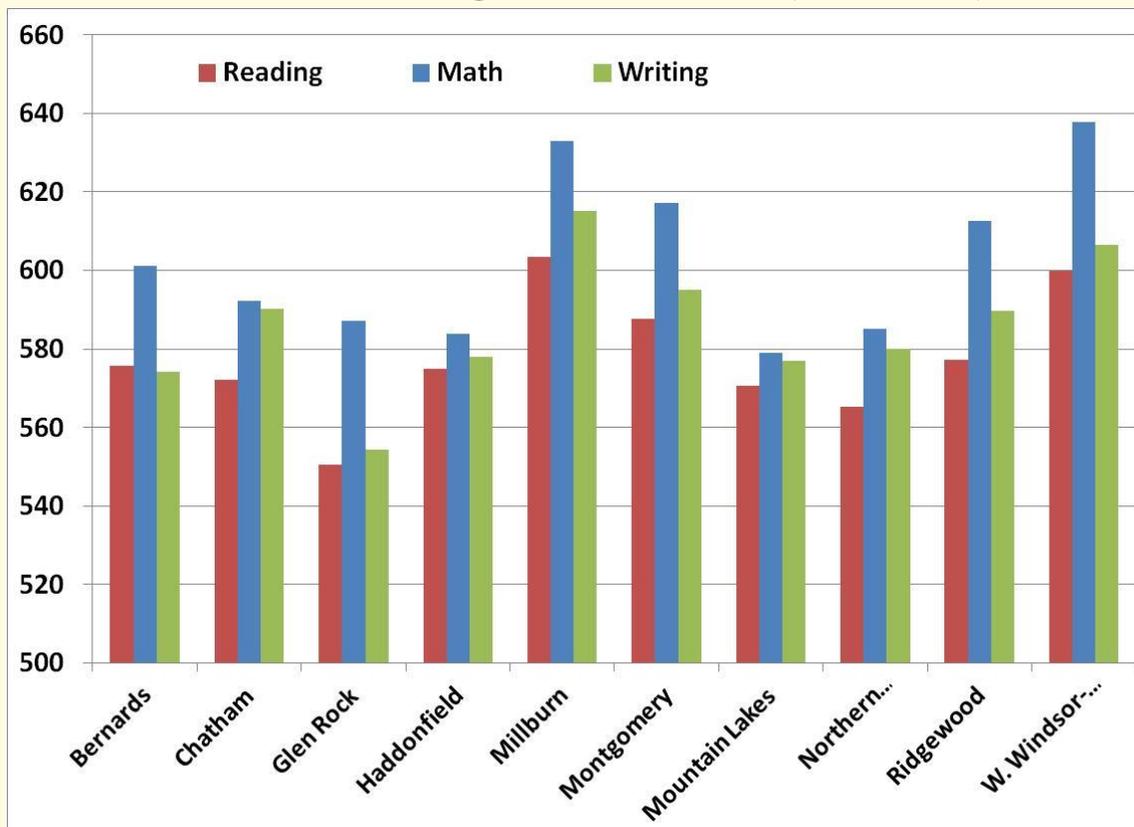
	NJASK 8 ELA	NJASK 8 Math	NJASK 8 Science	HSPA LAL	HSPA Math
Bernards	40%	54%	55%	42%	56%
Chatham	42%	55%	60%	45%	54%
Glen Rock	35%	48%	54%	29%	50%
Haddonfield	40%	58%	51%	48%	46%
Millburn	49%	50%	57%	48%	69%
Montgomery	39%	55%	70%	40%	55%
Mountain Lakes	36%	50%	57%	51%	50%
Northern Highlands	--	--	--	32%	49%
Ridgewood	40%	50%	59%	42%	59%
West Windsor- Plainsboro	48%	66%	62%	51%	68%



SAT
SAT Averages⁹ by Section 2009-2013

	2012-2013			2011-2012			2010-2011			2009-2010		
	CR	M	W									
Bernards	568	597	573	585	613	567	577	595	578	573	600	579
Chatham	568	590	586	574	593	589	569	588	591	577	598	595
Glen Rock	554	589	556	549	585	554	550	586	560	549	589	547
Haddonfield	581	598	588	579	584	578	568	577	569	572	576	577
Millburn	609	637	615	605	634	618	600	634	617	600	627	611
Montgomery	597	631	608	585	614	591	582	611	591	587	613	590
Mountain Lakes	567	569	563	569	582	577	573	581	584	573	584	584
Northern Highlands	561	590	572	563	585	583	564	584	583	573	581	582
Ridgewood	584	612	593	575	613	591	576	613	588	574	612	587
W. Windsor-Plainsboro	608	642	608	596	636	605	601	639	611	594	634	602

Four-Year Average of SAT Scores (2009-2013)



⁹ These data derive from NJ Performance Report Cards – the values represent average of all SAT test takers in a given academic year– regardless of grade - rather than just one graduating class as in the SAT section of the report.