

The New Jersey Department of Education (NJDOE) is pleased to present these annual reports of School Performance. These reports are designed to inform parents, educators and communities about how well a school is performing and preparing its students for college and careers.

In particular, the School Performance Reports seek to:

- **Focus** attention on metrics that are indicative of college and career readiness.
- **Benchmark** a school's performance against other peer schools that are educating similar students, against statewide outcomes, and against state targets to illuminate and build upon a school's strengths and identify areas for improvement.
- **Improve** educational outcomes for students by providing both longitudinal and growth data so that progress can be measured as part of an individual school's efforts to engage in continuous improvement.

While the New Jersey School Performance Reports seek to bring more information to educators and stakeholders about the performance of schools, they do not seek to distill the performance of schools into a single metric, a single score, or a simplified conclusion. Instead, the intention is that educators and stakeholders will engage in deep, lengthy conversations about the full range of the data presented. As educators know well, measuring school performance is both an art and a science. While the School Performance Report brings attention to important student outcomes, NJDOE does not collect data about other essential elements of a school, such as the provision of opportunities to participate and excel in extracurricular activities; the development of non-cognitive skills like time management and perseverance; the pervasiveness of a positive school culture or climate; or the attainment of other employability and technical skills, as many of these data are beyond both the capacity and resources of schools to measure and collect well.

To learn more about New Jersey's school accountability system, please visit: <http://www.nj.gov/education/educators/>.

DEMOGRAPHIC INFORMATION

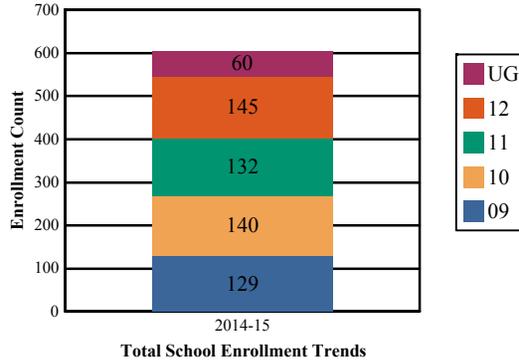
ESSEX
NEWARK CITY

GRADE SPAN 09-12

Enrollment by Ethnic/Racial Subgroup

Enrollment by Grade

This graph presents the count of students who were 'on roll' by grade in October of each school year.



Note: "UG" represents the count of students who are 'on roll' in this school but who are educated in ungraded classrooms, meaning that the classrooms may contain students from multiple grade levels.

Total School Enrollment	
2014-15	606

Enrollment by Gender

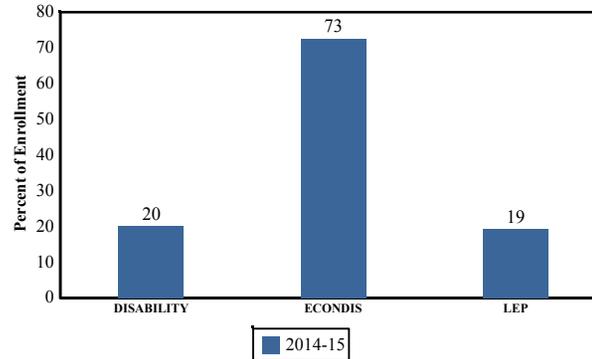
This graph presents the count of students by gender who were 'on roll' in October of each school year.



	Male	Female
2014-15	380	226

Enrollment Trends by Program Participation

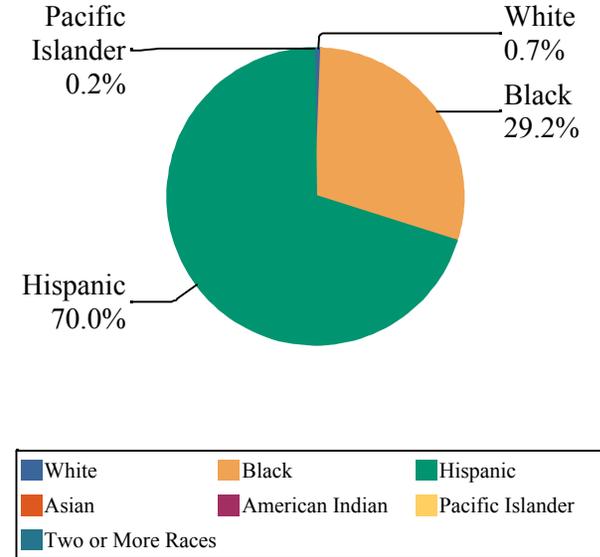
This graph presents the percentages of students by program participation who were 'on roll' in October of each school year.



Current Year Enrollment by Program Participation

2014-15	Count of Students	% of Enrollment
Students with Disability	122	20%
Economically Disadvantaged Students	440	72.6%
English Language Learners	117	19.3%

This graph presents the percentages of enrollment for each subgroup defined by the No Child Left Behind Act of 2001.



Language Diversity

This table presents the percentage of students who primarily speak each language in their home.

2014-15	Percent
English	53.1%
Spanish	45.9%
Twi	0.4%
Bengali	0.3%
Haitian Creole	0.3%

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

The Academic Achievement section measures the content knowledge that students have in English Language Arts/Literacy (ELA/L), Mathematics (and Biology) as demonstrated in 2014-2015 *Partnership for Assessment of Readiness for College and Careers (PARCC)* assessments and the End-of-Course Biology assessment. The below chart provides the Schoolwide Performance measure, which presents the percentage of students who met or exceeded expectations in ELA/L or Math.

Academic Achievement	Schoolwide Performance
HS English Language Arts/Literacy Met or Exceeded Expectation	2%
Math Met or Exceeded Expectation	1%

ESEA Waiver - English Language Arts/Literacy

This table presents, for each subgroup in the school, the total number of valid test scores, the percentage of students who met or exceeded expectations, the assessment participation goal, and the participation rate. The participation goal is established as 95% by the United States Department of Education.

Subgroups	Valid Scores	% Meeting Standards	Participation Goal	Participation Rate	Met Participation?
Schoolwide	-	-	--	--	--
White	-	-	--	--	--
African American	-	-	--	--	--
Hispanic	-	-	--	--	--
American Indian	-	-	--	--	--
Asian	-	-	--	--	--
Two or More Races	-	-	--	--	--
Students with Disability	-	-	--	--	--
English Learner Students	-	-	--	--	--
Economically Disadvantaged Students	-	-	--	--	--

YES* = Met Participation Rate (Participation Averaging applied)

Data is presented for subgroups when the count is high enough under ESEA Waiver suppression rules.

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

ESEA Waiver - Math

This table presents, for each subgroup in the school, the total number of valid test scores, the percentage of students who met or exceeded expectations, the assessment participation goal, and the participation rate. The participation goal is established as 95% by the United States Department of Education.

Subgroups	Valid Scores	% Meeting Standards	Participation Goal	Participation Rate	Met Participation?
Schoolwide	-	-	--	--	--
White	-	-	--	--	--
African American	-	-	--	--	--
Hispanic	-	-	--	--	--
American Indian	-	-	--	--	--
Asian	-	-	--	--	--
Two or More Races	-	-	--	--	--
Students with Disability	-	-	--	--	--
English Learner Students	-	-	--	--	--
Economically Disadvantaged Students	-	-	--	--	--

YES* = Met Participation Rate (Participation Averaging applied)

Data is presented for subgroups when the count is high enough under ESEA Waiver suppression rules.

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

PARCC Performance Level

The PARCC assesses how well students have learned grade-level material in English Language Arts/Literacy (ELA/L) and Math. The tests include questions that measure students' fundamental skills and knowledge, and require them to think critically, solve problems and support or explain their answers.

The PARCC reports students' overall scale scores that range from 650 to 850. To determine whether students have met academic expectations for their grade level/course in ELA/L and Math, students' overall scale scores are categorized into five Performance Levels. Students performing at levels 4 and 5 (met or exceeded expectations) have demonstrated readiness for the next grade level/course, and are on track for college and careers.

Five Performance Levels				
Level 1: Did Not Yet Meet Expectations <i>(Min. 650)</i>	Level 2: Partially Met Expectations	Level 3: Approached Expectations	Level 4: Met Expectations	Level 5: Exceeded Expectations <i>(Max. 850)</i>

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

PARCC ELA Performance Distribution - Grade - 09

This table presents the grade level outcomes, as measured by PARCC, in all five performance levels for all subgroups. PARCC consists of five performance levels: Level 1 - Did not yet meet grade-level expectations, Level 2 -Partially met expectations, Level 3 - Approached expectations, Level 4 - Met expectations, and Level 5 - Exceeded expectations.

Subgroup	Valid Scores	Mean Scale Score	State Mean Scale Score	% Level_1	% Level_2	% Level_3	% Level_4	% Level_5	% Met/ Exceeded Expectation	State % Met/Exceeded Expectation
Schoolwide	-	-	739	-	-	-	-	-	-	41%
White	-	-	746	-	-	-	-	-	-	47%
African American	-	-	723	-	-	-	-	-	-	23%
Hispanic	-	-	725	-	-	-	-	-	-	26%
American Indian	-	-	732	-	-	-	-	-	-	33%
Asian	-	-	765	-	-	-	-	-	-	68%
Two or More Races	-	-	731	-	-	-	-	-	-	36%
Students with Disability	-	-	706	-	-	-	-	-	-	9%
English Language Learners	-	-	693	-	-	-	-	-	-	5%
Economically Disadvantaged Students	-	-	724	-	-	-	-	-	-	24%

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

PARCC ELA Performance Distribution - Grade - 10

This table presents the grade level outcomes, as measured by PARCC, in all five performance levels for all subgroups. PARCC consists of five performance levels: Level 1 - Did not yet meet grade-level expectations, Level 2 -Partially met expectations, Level 3 - Approached expectations, Level 4 - Met expectations, and Level 5 - Exceeded expectations.

Subgroup	Valid Scores	Mean Scale Score	State Mean Scale Score	% Level_1	% Level_2	% Level_3	% Level_4	% Level_5	% Met/ Exceeded Expectation	State % Met/Exceeded Expectation
Schoolwide	-	-	735	-	-	-	-	-	-	38%
White	-	-	741	-	-	-	-	-	-	43%
African American	-	-	717	-	-	-	-	-	-	22%
Hispanic	-	-	720	-	-	-	-	-	-	24%
American Indian	-	-	725	-	-	-	-	-	-	27%
Asian	-	-	763	-	-	-	-	-	-	62%
Two or More Races	-	-	729	-	-	-	-	-	-	34%
Students with Disability	-	-	698	-	-	-	-	-	-	8%
English Language Learners	-	-	685	-	-	-	-	-	-	4%
Economically Disadvantaged Students	-	-	718	-	-	-	-	-	-	23%

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

PARCC ELA Performance Distribution - Grade - 11

This table presents the grade level outcomes, as measured by PARCC, in all five performance levels for all subgroups. PARCC consists of five performance levels: Level 1 - Did not yet meet grade-level expectations, Level 2 -Partially met expectations, Level 3 - Approached expectations, Level 4 - Met expectations, and Level 5 - Exceeded expectations.

Subgroup	Valid Scores	Mean Scale Score	State Mean Scale Score	% Level_1	% Level_2	% Level_3	% Level_4	% Level_5	% Met/ Exceeded Expectation	State % Met/Exceeded Expectation
Schoolwide	56	705	741	52%	20%	16%	11%	2%	13%	42%
White	-	-	745	-	-	-	-	-	-	46%
African American	-	-	727	-	-	-	-	-	-	27%
Hispanic	44	700	731	59%	18%	9%	11%	2%	14%	31%
American Indian	-	-	745	-	-	-	-	-	-	38%
Asian	-	-	765	-	-	-	-	-	-	64%
Two or More Races	-	-	738	-	-	-	-	-	-	38%
Students with Disability	-	-	712	-	-	-	-	-	-	16%
English Language Learners	-	-	703	-	-	-	-	-	-	6%
Economically Disadvantaged Students	-	-	730	-	-	-	-	-	-	30%

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

13-3570-312
BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

PARCC ALGEBRA I - Performance Distribution

This table presents the grade level outcomes, as measured by PARCC, in all five performance levels for all subgroups. PARCC consists of five performance levels: Level 1 - Did not yet meet grade-level expectations, Level 2 -Partially met expectations, Level 3 - Approached expectations, Level 4 - Met expectations, and Level 5 - Exceeded expectations.

Subgroup	Valid Scores	Mean Scale Score	State Mean Scale Score	% Level_1	% Level_2	% Level_3	% Level_4	% Level_5	% Met/ Exceeded Expectation	State % Met/Exceeded Expectation
Schoolwide	-	-	740	-	-	-	-	-	-	40%
White	-	-	746	-	-	-	-	-	-	47%
African American	-	-	722	-	-	-	-	-	-	20%
Hispanic	-	-	725	-	-	-	-	-	-	21%
American Indian	-	-	733	-	-	-	-	-	-	35%
Asian	-	-	769	-	-	-	-	-	-	73%
Two or More Races	-	-	734	-	-	-	-	-	-	35%
Students with Disability	-	-	710	-	-	-	-	-	-	8%
English Language Learners	-	-	710	-	-	-	-	-	-	7%
Economically Disadvantaged Students	-	-	725	-	-	-	-	-	-	21%

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

PARCC GEOMETRY - Performance Distribution

This table presents the grade level outcomes, as measured by PARCC, in all five performance levels for all subgroups. PARCC consists of five performance levels: Level 1 - Did not yet meet grade-level expectations, Level 2 -Partially met expectations, Level 3 - Approached expectations, Level 4 - Met expectations, and Level 5 - Exceeded expectations.

Subgroup	Valid Scores	Mean Scale Score	State Mean Scale Score	% Level_1	% Level_2	% Level_3	% Level_4	% Level_5	% Met/ Exceeded Expectation	State % Met/Exceeded Expectation
Schoolwide	-	-	728	-	-	-	-	-	-	21%
White	-	-	731	-	-	-	-	-	-	24%
African American	-	-	716	-	-	-	-	-	-	7%
Hispanic	-	-	718	-	-	-	-	-	-	8%
American Indian	-	-	722	-	-	-	-	-	-	12%
Asian	-	-	751	-	-	-	-	-	-	54%
Two or More Races	-	-	724	-	-	-	-	-	-	20%
Students with Disability	-	-	709	-	-	-	-	-	-	4%
English Language Learners	-	-	710	-	-	-	-	-	-	6%
Economically Disadvantaged Students	-	-	718	-	-	-	-	-	-	8%

ACADEMIC ACHIEVEMENT

ESSEX
NEWARK CITY

GRADE SPAN 09-12

BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

PARCC ALGEBRA II - Performance Distribution

This table presents the grade level outcomes, as measured by PARCC, in all five performance levels for all subgroups. PARCC consists of five performance levels: Level 1 - Did not yet meet grade-level expectations, Level 2 -Partially met expectations, Level 3 - Approached expectations, Level 4 - Met expectations, and Level 5 - Exceeded expectations.

Subgroup	Valid Scores	Mean Scale Score	State Mean Scale Score	% Level_1	% Level_2	% Level_3	% Level_4	% Level_5	% Met/ Exceeded Expectation	State % Met/Exceeded Expectation
Schoolwide	-	-	721	-	-	-	-	-	-	24%
White	-	-	725	-	-	-	-	-	-	27%
African American	-	-	701	-	-	-	-	-	-	8%
Hispanic	-	-	706	-	-	-	-	-	-	10%
American Indian	-	-	720	-	-	-	-	-	-	23%
Asian	-	-	751	-	-	-	-	-	-	53%
Two or More Races	-	-	716	-	-	-	-	-	-	21%
Students with Disability	-	-	691	-	-	-	-	-	-	4%
English Language Learners	-	-	694	-	-	-	-	-	-	6%
Economically Disadvantaged Students	-	-	705	-	-	-	-	-	-	9%

GRADUATION AND POSTSECONDARY

ESSEX
NEWARK CITY

GRADE SPAN 09-12

This section of the performance report presents data about graduation, dropout and post-secondary attendance. The graduation rate is calculated according to the ESEA Cohort methodology as required by the United States Department of Education. Dropout rates are calculated from student-level data submitted by districts for students officially classified as dropouts. The dropout rate is the count of students who dropout in an academic year divided by the school's total enrollment.

The below chart provides the Schoolwide Performance measure, which represents the outcomes for these particular indicators in this school.

Graduation & Post Secondary Indicators	Schoolwide Performance
Overall Graduation Rate	81%
Dropout Rate	3.1%

Graduation Rate by Subgroup

This table presents for all NCLB-identified subgroups the “4-year Adjusted Graduation Rate.” This rate calculates the percentage of students who are awarded a regular, high school diploma within four years of becoming a first-time ninth grader. The rate is adjusted to account for students who ‘transfer-in’ and for students who are verified as ‘transfers-out’.

	School	State Target
Schoolwide	81%	78%
White	-	
African American	87%	
Hispanic	79%	
American Indian	-	
Asian	-	
Native Hawaiian	-	
Two or More Races	-	
Students with Disability	81%	
English Language Learners	80%	
Economically Disadvantaged Students	80%	

Dropout Rate by Subgroup

This table presents for all NCLB-identified subgroups the Dropout rate. This rate calculates the percentage of students who are classified as dropouts divided by the school's total enrollment and by each subgroup enrollment.

	School	State Target
Schoolwide	3.1%	2%
White	-	
African American	4%	
Hispanic	2.6%	
American Indian	-	
Asian	-	
Native Hawaiian	-	
Two or More Races	-	
Students with Disability	2.5%	
English Language Learners	3.4%	
Economically Disadvantaged Students	2.3%	

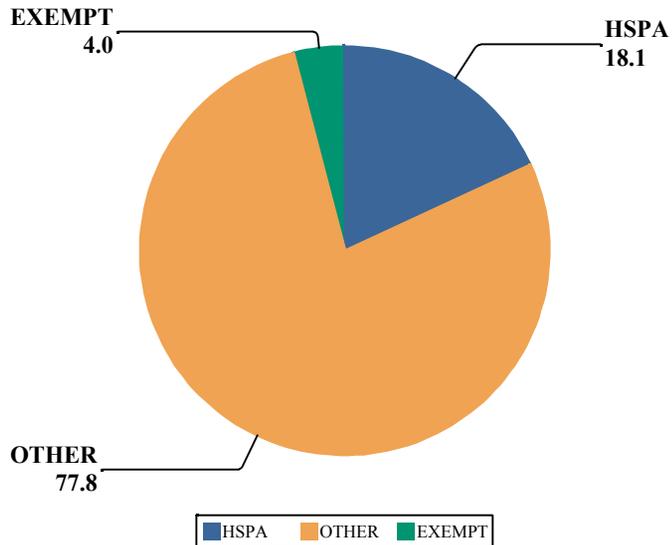
GRADUATION AND POSTSECONDARY

ESSEX
NEWARK CITY

GRADE SPAN 09-12

Graduation Pathway Rates

This chart presents the percentage of high school graduates who graduated by passing both sections of the HSPA, who were exempt from passing the HSPA, or who demonstrated proficiency through an alternative pathway such as through the Alternative High School Assessment, achievement of the 'Just Proficient Mean' or an appeal process.



Extended Year Graduation Rate

The chart below presents the 4-year and 5-year graduation rate for the prior school year's cohort in addition to the 4-year graduation rate for last year's cohort.

Class of	4-year Rate	5-year Rate
2012		
2013		
2014		40%
2015	81%	

GRADUATION AND POSTSECONDARY

ESSEX
NEWARK CITY

GRADE SPAN 09-12

Postsecondary Enrollment Rates

This chart presents the enrollment rates of this school's high school graduates, 16-months after high school graduation. The data is from the National Student Clearinghouse which reports that it collects student-level enrollment data from 95% of Institutions of Higher Education nationwide.

The last columns indicate, for the schoolwide total and each subgroup, the percentage of postsecondary enrollees that were enrolled in either a 2 year or a 4 year institution.

	Percent Enrolled	Percent in 2 Year	Percent in 4 Year
Statewide			
Schoolwide			

WITHIN SCHOOL ACHIEVEMENT GAP

ESSEX
NEWARK CITY

GRADE SPAN 09-12

BARRINGER ACADEMY OF S.T.E.A.M.
90 PARKER STREET
NEWARK, NJ 07104

This section of the performance report presents data about the achievement gap that exists within a school - as measured by the difference between the students' scale scores at the 25th and 75th percentile in the school, the Interquartile Range (IQR). Taken together with an understanding of the overall and average achievement levels in the school, the IQR furthers an understanding of the range of student outcomes that exist in a school. A school gap smaller than the state gap indicates that the school's range of student outcomes is narrower than the state's while a school gap broader than the state gap indicates that the school's range of student outcomes is larger than the state's.

Grade Level - 11

PARCC English Language Arts/Literacy 25th %ile vs 75th%ile

This table presents the scale scores associated with students at the bottom (0th percentile), the 25th percentile, the 50th percentile, the 75th percentile and the top (99th percentile) of school's distribution.

Percentile	School Scale Score	State Scale Score
99th	790	850
75th	732	768
50th	697	740
25th	679	711
0th	650	650

	Scale Score Gap - School	Scale Score Gap - State
25th vs 75th Gap	53	57

PARCC ALG-2 25th %ile vs 75th%ile

This table presents the scale scores associated with students at the bottom (0th percentile), the 25th percentile, the 50th percentile, the 75th percentile and the top (99th percentile) of school's distribution.

Percentile	School Scale Score	State Scale Score
99th	N/A	813
75th	N/A	748
50th	N/A	718
25th	N/A	692
0th	N/A	650

	Scale Score Gap - School	Scale Score Gap - State
25th vs 75th Gap	N/A	56

SCHOOL CLIMATE

ESSEX
NEWARK CITY

Length of School Day

This table presents the amount of time a school is in session for a typical student on a normal school day.

	School
2014-15	7 Hrs. 39 Mins.

Student Suspension Rate

This table presents the percentage of students who were suspended one or more times during the school year.

	School
2014-15	13.5%

Instructional Time

This table presents the amount of time that a typical student is engaged in instructional activities under the supervision of a certified teacher.

2014-15	School
Full Time	7 Hrs. 27 Mins.
Shared Time	0 Hrs. 0 Mins.

Student Expulsions

This table presents the number of students who were expelled from the school and district during the school year.

	School
2014-15	0

Student to Staff Ratio

This table presents the count of students per faculty member or administrator in the school. All staff are counted in full-time equivalents.

2014-15	School
Faculty	10
Administrators	121