

Moving Up

Progress in Newark's Schools from 2009 to 2017

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May 12, 2018



Introduction

Research question

- On average, have Newark students' scores on grade 3-8 tests improved since 2009?

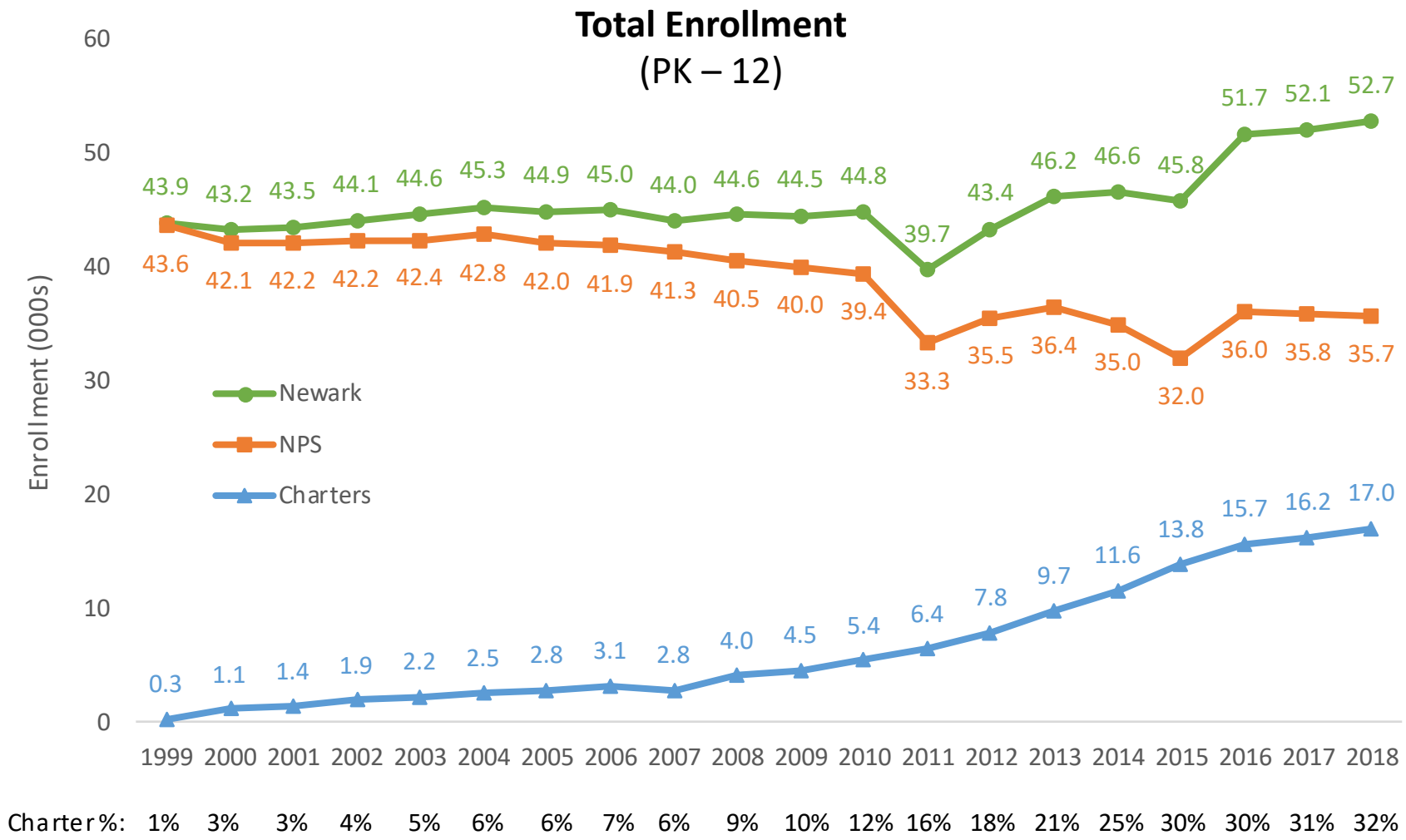
Why is this a challenge?

- The “difficulty” of almost any state assessment changes somewhat from year-to-year, so direct comparisons of proficiency are not always meaningful
- This was especially true between 2014 and 2015, when New Jersey switched from the NJASK to the PARCC test

Methodology

- **Ranking:** Calculate Newark's test score rank compared to districts with similar demographics and see how this rank has changed over time
- **SGPs:** Compare growth in test scores of Newark students with growth in test scores of similar students (SGPs)
- **Replication:** Replicate and extend other researchers' work

Over the past 20 years, charters have come to represent an increasingly large share of enrollment in Newark



When analyzing test score trends in Newark, we include charter schools to get a complete picture (though we also look at the NPS trends alone)

Compared to other districts in District Factor Group A, Newark's ELA test score performance has improved from the 42nd percentile to the 81st

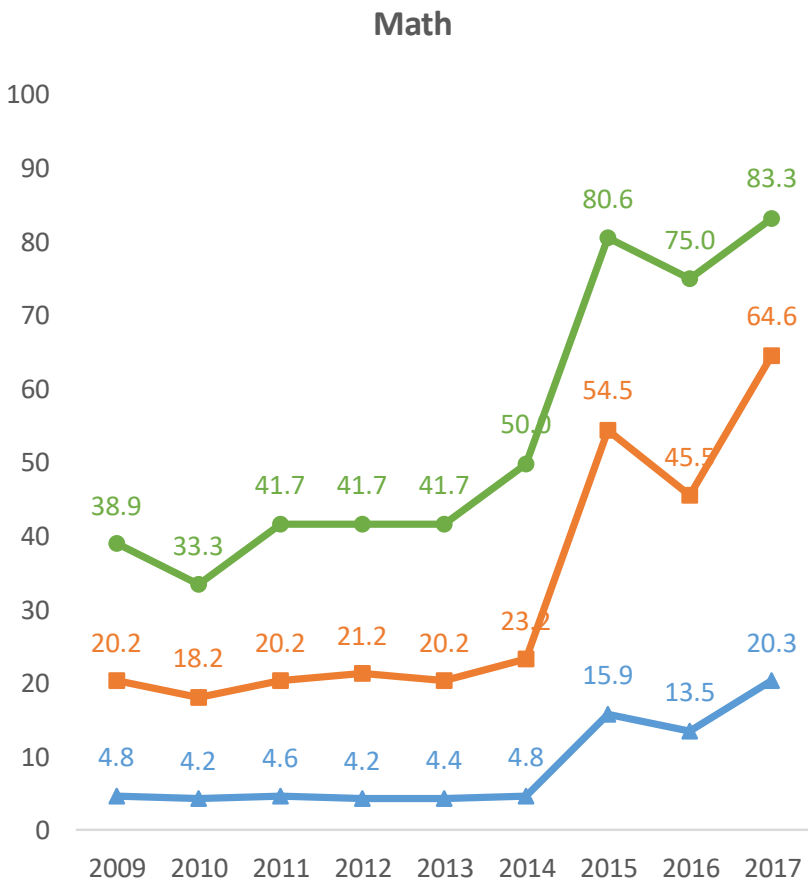
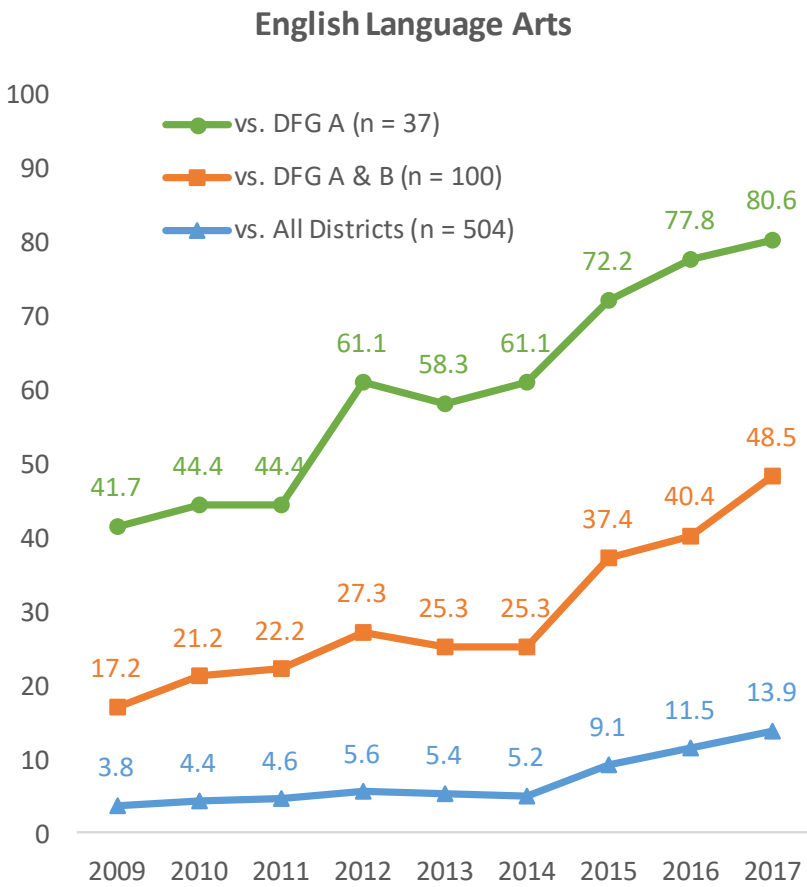
DFG A District Ranking Based on ELA % Proficient (Grade 3-8, Including Charters)

| 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------------------------------------|--|--|--|---------------------------------------|--|------------------------------------|--|------------------------------------|
| NORTH WILDWOOD CITY (11, 1%) | NORTH WILDWOOD CITY (11, 1%) | NORTH WILDWOOD CITY (11, 1%) | DOVER TOWN (1260, 71%) | DOVER TOWN (1280, 69%) | DOVER TOWN (1346, 68%) | DOVER TOWN (1282, 51%) | DOVER TOWN (1359, 58%) | DOVER TOWN (1402, 60%) |
| QUINTON TWP (195, 70%) | DOVER TOWN (1248, 65%) | DOVER TOWN (1233, 67%) | NORTH WILDWOOD CITY (17, 1%) | QUINTON TWP (236, 61%) | NORTH WILDWOOD CITY (11, 1%) | NORTH WILDWOOD CITY (14, 1%) | QUINTON TWP (217, 49%) | LAWRENCE TWP (299, 51%) |
| DOVER TOWN (1207, 66%) | QUINTON TWP (199, 64%) | FAIRVIEW BORO (683, 65%) | LAWRENCE TWP (297, 58%) | NORTH WILDWOOD CITY (11, 1%) | BUENA REGIONAL (838, 57%) | LAWRENCE TWP (309, 41%) | LAWRENCE TWP (295, 46%) | UNION CITY (5115, 49%) |
| DOWNE TWP (106, 62%) | UNION CITY (4436, 58%) | QUINTON TWP (212, 62%) | QUINTON TWP (228, 57%) | BUENA REGIONAL (902, 57%) | VINELAND CITY (4435, 53%) | QUINTON TWP (212, 40%) | UNION CITY (5079, 44%) | QUINTON TWP (221, 49%) |
| UNION CITY (4364, 61%) | FAIRVIEW BORO (677, 56%) | UNION CITY (4513, 59%) | UNION CITY (4630, 56%) | UNION CITY (4816, 57%) | LAWRENCE TWP (336, 53%) | WEST NEW YORK TOWN (30, 1%) | WEST NEW YORK TOWN (31, 1%) | NORTH WILDWOOD CITY (13, 1%) |
| BUENA REGIONAL (1051, 59%) | BUENA REGIONAL (1021, 56%) | BUENA REGIONAL (1048, 59%) | WEST NEW YORK TOWN (28, 1%) | LAWRENCE TWP (297, 56%) | UNION CITY (4995, 53%) | UNION CITY (4900, 37%) | ELIZABETH CITY (10654, 40%) | WEST NEW YORK TOWN (33, 1%) |
| LAWRENCE TWP (299, 59%) | WEST NEW YORK TOWN (28, 1%) | WEST NEW YORK TOWN (28, 1%) | BUENA REGIONAL (1002, 55%) | WEST NEW YORK TOWN (30, 1%) | WOODBINE BORO (96, 52%) | WOODBINE BORO (95, 35%) | BUENA REGIONAL (671, 38%) | ELIZABETH CITY (11063, 43%) |
| SEASIDE HEIGHTS BORO (10, 1%) | EAST NEWARK BORO (141, 5, 1%) | LAWRENCE TWP (292, 54%) | FAIRVIEW BORO (693, 54%) | WOODBINE BORO (106, 54%) | WEST NEW YORK TOWN (30, 1%) | ELIZABETH CITY (10073, 33%) | NORTH WILDWOOD CITY (15, 1%) | NEWARK CITY (23252, 41%) |
| FAIRVIEW BORO (643, 58%) | VINELAND CITY (4090, 51%) | VINELAND CITY (4142, 52%) | VINELAND CITY (4246, 51%) | VINELAND CITY (4409, 51%) | FAIRVIEW BORO (727, 51%) | FAIRVIEW BORO (729, 33%) | NEWARK CITY (22349, 37%) | FAIRVIEW BORO (768, 40%) |
| WEST NEW YORK TOWN (27, 1%) | LAWRENCE TWP (286, 51%) | ELIZABETH CITY (9605, 50%) | ELIZABETH CITY (9900, 51%) | ELIZABETH CITY (10059, 51%) | ELIZABETH CITY (10354, 50%) | VINELAND CITY (4367, 31%) | FAIRVIEW BORO (743, 36%) | EAST ORANGE (4374, 39%) |
| COMMERCIAL TWP (405, 55%) | ELIZABETH CITY (9077, 50%) | DOWNE TWP (110, 49%) | EAST NEWARK BORO (153, 4, 1%) | FAIRVIEW BORO (712, 51%) | QUINTON TWP (219, 50%) | NEWARK CITY (20177, 30%) | EAST ORANGE (4283, 36%) | EAST NEWARK BORO (168, 3, 1%) |
| VINELAND CITY (4119, 54%) | COMMERCIAL TWP (398, 50%) | EAST NEWARK BORO (156, 4, 1%) | EAST ORANGE (4591, 46%) | DOWNE TWP (115, 51%) | DOWNE TWP (112, 47%) | PERTH AMBOY CITY (4140, 2, 1%) | PERTH AMBOY CITY (4340, 3, 1%) | VINELAND CITY (4688, 37%) |
| EGG HARBOR CITY (293, 53%) | DOWNE TWP (112, 49%) | KEANSBURG BORO (670, 48, 1%) | DOWNE TWP (114, 44%) | EAST NEWARK BORO (174, 4, 1%) | EAST ORANGE (4501, 44%) | EAST NEWARK BORO (151, 2, 1%) | VINELAND CITY (4477, 33%) | BUENA REGIONAL (672, 35%) |
| ELIZABETH CITY (8848, 51%) | CITY OF ORANGE TWP (1999, 1%) | EGG HARBOR CITY (283, 46, 1%) | CITY OF ORANGE TWP (2096, 1%) | MILLVILLE CITY (2319, 44%) | COMMERCIAL TWP (357, 43, 1%) | EAST ORANGE (4115, 27%) | WOODBINE BORO (88, 33, 1%) | PERTH AMBOY CITY (4566, 3, 1%) |
| WOODBINE BORO (115, 50, 1%) | KEANSBURG BORO (677, 48, 1%) | ATLANTIC CITY (2693, 46%) | NEWARK CITY (20864, 42%) | EAST ORANGE (4600, 44%) | NEWARK CITY (21985, 43%) | COMMERCIAL TWP (312, 27, 1%) | EAST NEWARK BORO (170, 3, 1%) | CITY OF ORANGE TWP (2180, 1%) |
| CITY OF ORANGE TWP (2019, 1%) | ATLANTIC CITY (2613, 46%) | SEASIDE HEIGHTS BORO (97, 1%) | ATLANTIC CITY (2783, 42%) | NEWARK CITY (21491, 43%) | CITY OF ORANGE TWP (2114, 1%) | PATERSON CITY (11880, 25, 1%) | ATLANTIC CITY (3007, 30%) | WOODBINE BORO (84, 32, 1%) |
| WILDWOOD CITY (308, 48, 1%) | SEASIDE HEIGHTS BORO (97, 1%) | CITY OF ORANGE TWP (2076, 1%) | MILLVILLE CITY (2261, 42%) | ATLANTIC CITY (2940, 43%) | MILLVILLE CITY (2306, 41%) | ATLANTIC CITY (2922, 25%) | PATERSON CITY (12584, 29%) | PASSAIC CITY (6660, 31%) |
| MILLVILLE CITY (2261, 48%) | EGG HARBOR CITY (290, 45, 1%) | MILLVILLE CITY (2247, 45%) | SEASIDE HEIGHTS BORO (10, 1%) | PERTH AMBOY CITY (4307, 4, 1%) | PERTH AMBOY CITY (4438, 4, 1%) | MILLVILLE CITY (2249, 24%) | CITY OF ORANGE TWP (2216, 1%) | MILLVILLE CITY (2153, 31%) |
| KEANSBURG BORO (701, 47, 1%) | WILDWOOD CITY (315, 45, 1%) | EAST ORANGE (4634, 44%) | PERTH AMBOY CITY (4200, 4, 1%) | COMMERCIAL TWP (371, 42, 1%) | ATLANTIC CITY (2943, 40%) | CITY OF ORANGE TWP (2105, 1%) | MILLVILLE CITY (2177, 28%) | DOWNE TWP (97, 31, 1%) |
| PENNS GRV-CARNEY'S PT RE (4611, 45%) | WOODBINE BORO (129, 43, 1%) | KEANSBURG BORO (658, 41, 1%) | CITY OF ORANGE TWP (2080, 1%) | SEASIDE HEIGHTS BORO (96, 1%) | BUENA REGIONAL (683, 24, 1%) | PASSAIC CITY (6484, 28%) | PATERSON CITY (12874, 31, 1%) | |
| ATLANTIC CITY (2626, 46%) | NEWARK CITY (20876, 44%) | NEWARK CITY (20905, 43%) | WOODBINE BORO (123, 41, 1%) | KEANSBURG BORO (638, 41, 1%) | PENNS GRV-CARNEY'S PT RE (478, 22, 1%) | KEANSBURG BORO (478, 22, 1%) | DOWNE TWP (96, 26%) | PLEASANTVILLE CITY (1592, 2, 1%) |
| NEWARK CITY (20677, 46%) | WOODBINE BORO (127, 43, 1%) | PAULSBORO BORO (461, 42, 1%) | PENNS GRV-CARNEY'S PT RE (12684, 40, 1%) | PATERSON CITY (12796, 39, 1%) | DOWNE TWP (109, 22%) | PLEASANTVILLE CITY (1556, 1, 1%) | ATLANTIC CITY (3096, 29%) | |
| PERTH AMBOY CITY (4062, 4, 1%) | MILLVILLE CITY (2308, 42%) | PERTH AMBOY CITY (4208, 4, 1%) | EGG HARBOR CITY (255, 39, 1%) | EGG HARBOR CITY (282, 40, 1%) | EGG HARBOR CITY (278, 37, 1%) | PASSAIC CITY (6222, 21%) | COMMERCIAL TWP (312, 26, 1%) | PENNS GRV-CARNEY'S PT RE (102, 1%) |
| EAST ORANGE (4638, 44%) | PERTH AMBOY CITY (4159, 4, 1%) | COMMERCIAL TWP (408, 40, 1%) | PATERSON CITY (12758, 38, 1%) | PAULSBORO BORO (473, 40, 1%) | KEANSBURG BORO (616, 37, 1%) | SEASIDE HEIGHTS BORO (10, 1%) | PENNS GRV-CARNEY'S PT RE (290, 26, 1%) | COMMERCIAL TWP (290, 26, 1%) |
| IRVINGTON TOWNSHIP (327, 1%) | PAULSBORO BORO (483, 40, 1%) | PENNS GRV-CARNEY'S PT RE (323, 37, 1%) | PASSAIC CITY (6007, 39%) | PAULSBORO BORO (488, 36, 1%) | IRVINGTON TOWNSHIP (299, 1%) | IRVINGTON TOWNSHIP (307, 1%) | NEW BRUNSWICK CITY (4409, 1%) | |
| EAST NEWARK BORO (150, 1%) | PENNS GRV-CARNEY'S PT RE (320, 39, 1%) | WILDWOOD CITY (320, 39, 1%) | PLEASANTVILLE CITY (1715, 1, 1%) | SEASIDE HEIGHTS BORO (83, 1%) | PASSAIC CITY (6244, 36%) | PLEASANTVILLE CITY (1445, 1, 1%) | KEANSBURG BORO (536, 22, 1%) | IRVINGTON TOWNSHIP (317, 1%) |
| PLEASANTVILLE CITY (1715, 1, 1%) | PLEASANTVILLE CITY (1708, 1, 1%) | PATERSON CITY (12560, 36, 1%) | COMMERCIAL TWP (392, 36, 1%) | PENNS GRV-CARNEY'S PT RE (157, 3, 1%) | EAST NEWARK BORO (157, 3, 1%) | PENNS GRV-CARNEY'S PT RE (420, 1%) | KEANSBURG BORO (579, 24, 1%) | |
| PAULSBORO BORO (510, 39, 1%) | IRVINGTON TOWNSHIP (322, 1%) | PLEASANTVILLE CITY (1724, 1, 1%) | PASSAIC CITY (5832, 35%) | FAIRFIELD TWP (342, 36%) | PLEASANTVILLE CITY (1608, 1, 1%) | NEW BRUNSWICK CITY (396, 1%) | TRENTON CITY (6067, 21%) | TRENTON CITY (6187, 23%) |
| PATERSON CITY (12097, 38, 1%) | PATERSON CITY (12333, 37, 1%) | PASSAIC CITY (5659, 35%) | IRVINGTON TOWNSHIP (320, 1%) | PLEASANTVILLE CITY (1579, 1, 1%) | IRVINGTON TOWNSHIP (309, 1%) | EGG HARBOR CITY (280, 19, 1%) | EGG HARBOR CITY (292, 18, 1%) | SEASIDE HEIGHTS BORO (102, 1%) |
| PASSAIC CITY (5177, 38%) | PASSAIC CITY (5423, 36%) | IRVINGTON TOWNSHIP (323, 1%) | PAULSBORO BORO (466, 34, 1%) | IRVINGTON TOWNSHIP (311, 1%) | FAIRFIELD TWP (265, 35%) | TRENTON CITY (5735, 17%) | BRIDGETON CITY (2577, 18%) | CAMDEN CITY (7296, 22%) |
| BRIDGETON CITY (1937, 38, 1%) | BRIDGETON CITY (2042, 34, 1%) | FAIRFIELD TWP (370, 34%) | FAIRFIELD TWP (347, 34%) | WILDWOOD CITY (341, 32, 1%) | NEW BRUNSWICK CITY (401, 1%) | SALEM CITY (350, 17%) | CAMDEN CITY (7081, 18%) | PAULSBORO BORO (424, 21, 1%) |
| NEW BRUNSWICK CITY (336, 1%) | FAIRFIELD TWP (342, 33%) | BRIDGETON CITY (2116, 33, 1%) | NEW BRUNSWICK CITY (365, 1%) | NEW BRUNSWICK CITY (380, 1%) | WILDWOOD CITY (323, 29%) | FAIRFIELD TWP (311, 16%) | PAULSBORO BORO (445, 18, 1%) | BRIDGETON CITY (2707, 18%) |
| FAIRFIELD TWP (373, 36%) | NEW BRUNSWICK CITY (344, 1%) | NEW BRUNSWICK CITY (358, 1%) | SALEM CITY (465, 31%) | SALEM CITY (422, 29%) | SALEM CITY (408, 28%) | WILDWOOD CITY (303, 15, 1%) | SALEM CITY (378, 18%) | ASBURY PARK CITY (977, 18%) |
| TRENTON CITY (6004, 30%) | SALEM CITY (435, 31%) | TRENTON CITY (6027, 30%) | TRENTON CITY (6058, 29%) | BRIDGETON CITY (2280, 29, 1%) | TRENTON CITY (6026, 28%) | BRIDGETON CITY (2446, 14, 1%) | SEASIDE HEIGHTS BORO (96, 1%) | WILDWOOD CITY (327, 16%) |
| SALEM CITY (470, 28%) | TRENTON CITY (5999, 29%) | SALEM CITY (376, 27%) | BRIDGETON CITY (2214, 28, 1%) | TRENTON CITY (6033, 28%) | BRIDGETON CITY (2391, 26, 1%) | CAMDEN CITY (6277, 14%) | WILDWOOD CITY (316, 17, 1%) | FAIRFIELD TWP (316, 16%) |
| ASBURY PARK CITY (1068, 27, 1%) | ASBURY PARK CITY (1045, 24, 1%) | ASBURY PARK CITY (946, 24, 1%) | ASBURY PARK CITY (995, 24, 1%) | CAMDEN CITY (7030, 26%) | CAMDEN CITY (7058, 26%) | PAULSBORO BORO (416, 14, 1%) | FAIRFIELD TWP (323, 15%) | SALEM CITY (371, 16%) |
| CAMDEN CITY (7021, 25%) | CAMDEN CITY (7066, 24%) | CAMDEN CITY (7020, 23%) | CAMDEN CITY (6997, 23%) | ASBURY PARK CITY (1009, 24, 1%) | ASBURY PARK CITY (1009, 22, 1%) | ASBURY PARK CITY (988, 12, 1%) | ASBURY PARK CITY (951, 13, 1%) | EGG HARBOR CITY (294, 12, 1%) |

Source: analysis of NJDOE data. Note: each cell shows the district number, number of students tested, and percent proficient in grades 3-8.

Newark's proficiency results in grades 3-8 have led to gains against all comparison groups in both subjects

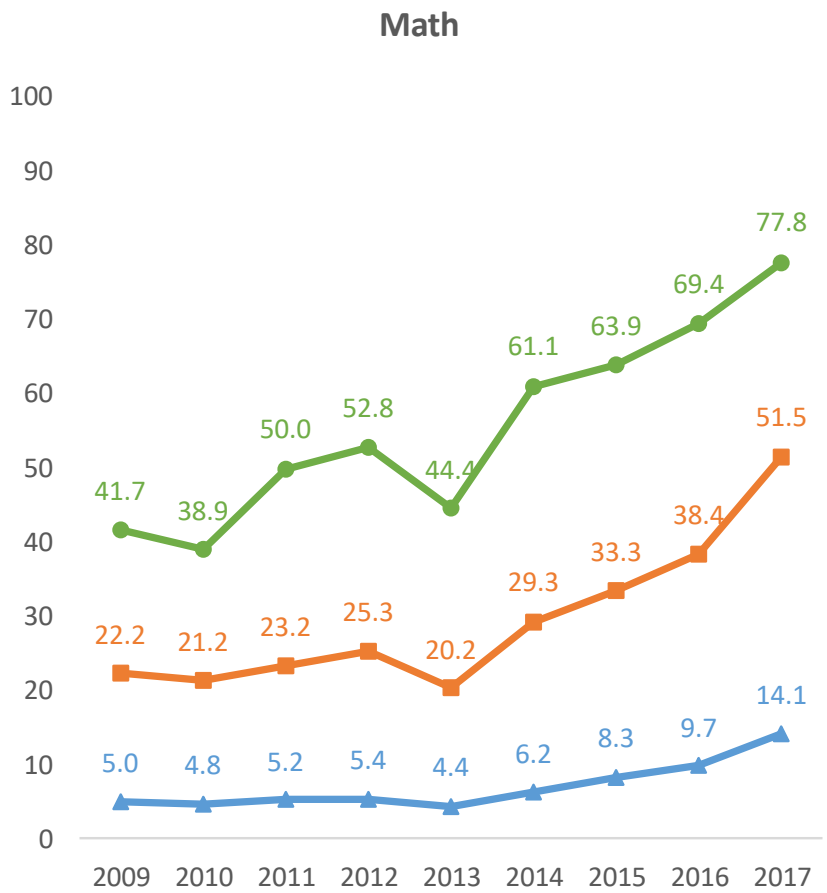
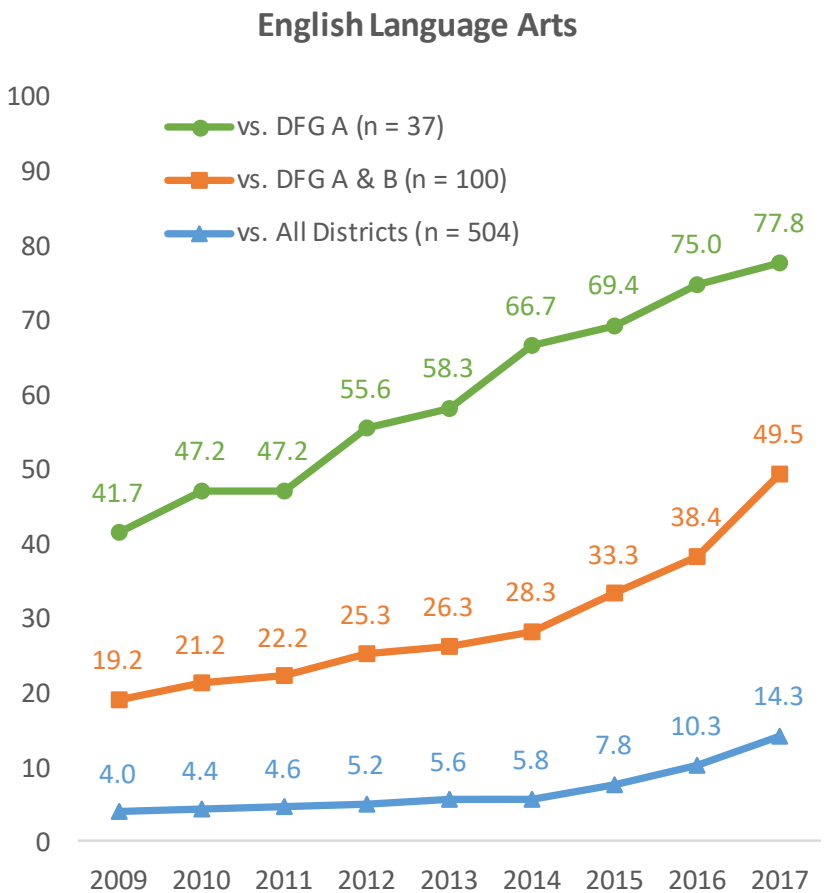
Newark Percentile based on Percent Proficient (Grades 3-8, Including Charters)



Source: analysis of NJDOE data. Note: graph shows Newark's percentile rank compared to other districts that had testing data reported from 2009 to 2017. All charters are mapped to their geographic districts.

When looking at average scaled score as the underlying measure, we see steady gains that accelerate after 2014 vs. some comparison groups

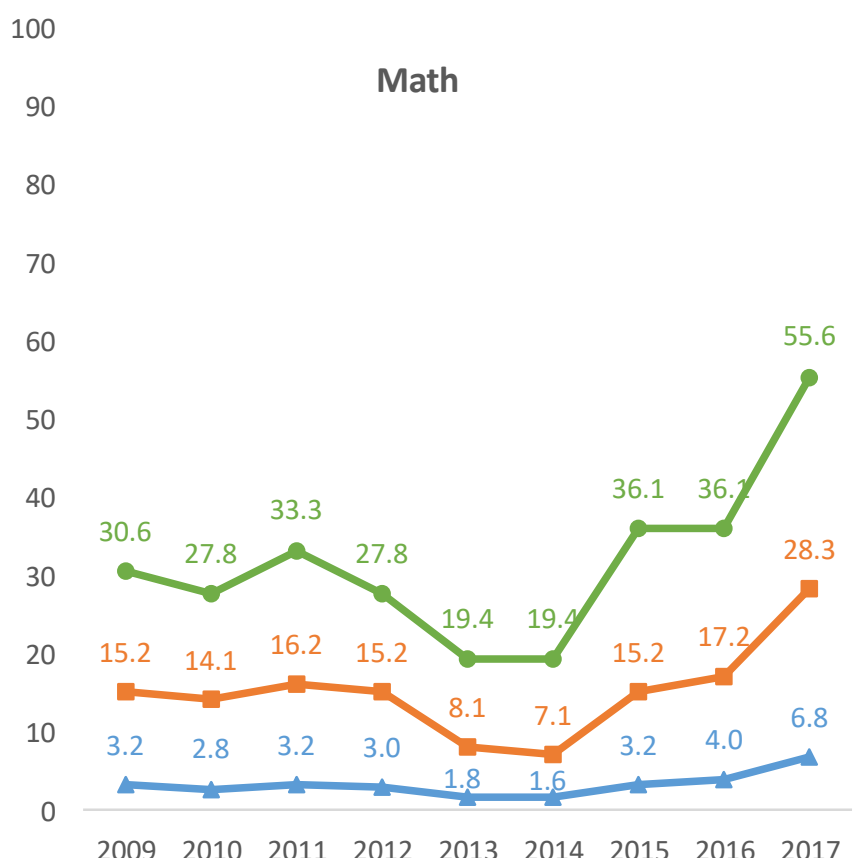
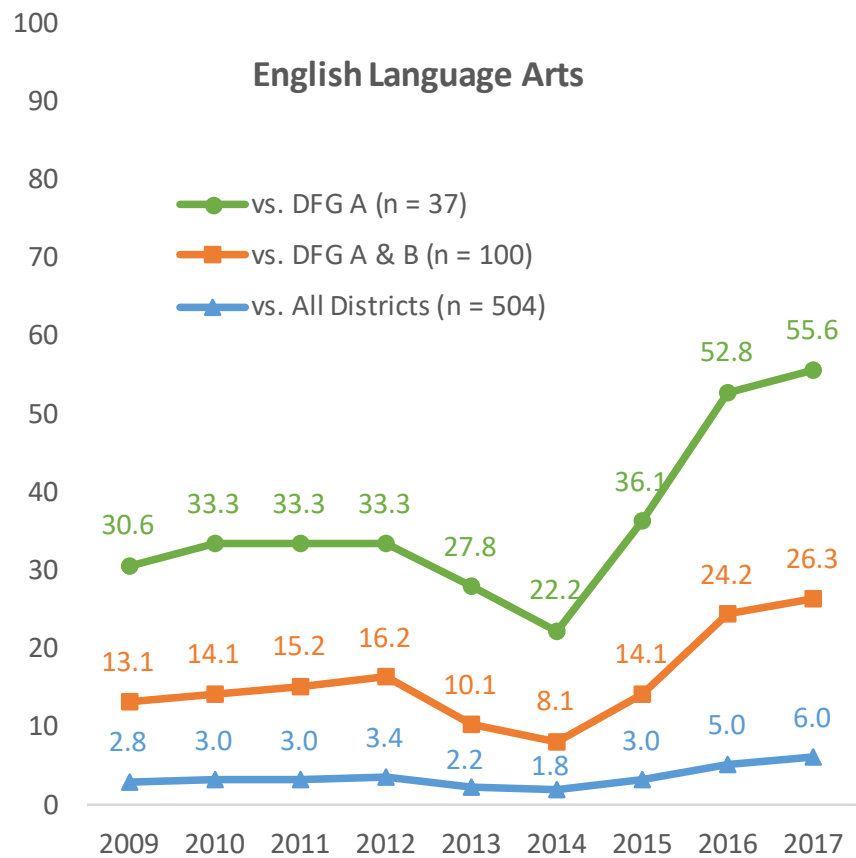
Newark Percentile based on **Average Scaled Score**
(Grades 3-8, Including Charters)



Source: analysis of NJDOE data. Note: graph shows Newark's percentile rank compared to other districts that had testing data reported from 2009 to 2017. All charters are mapped to their geographic districts.

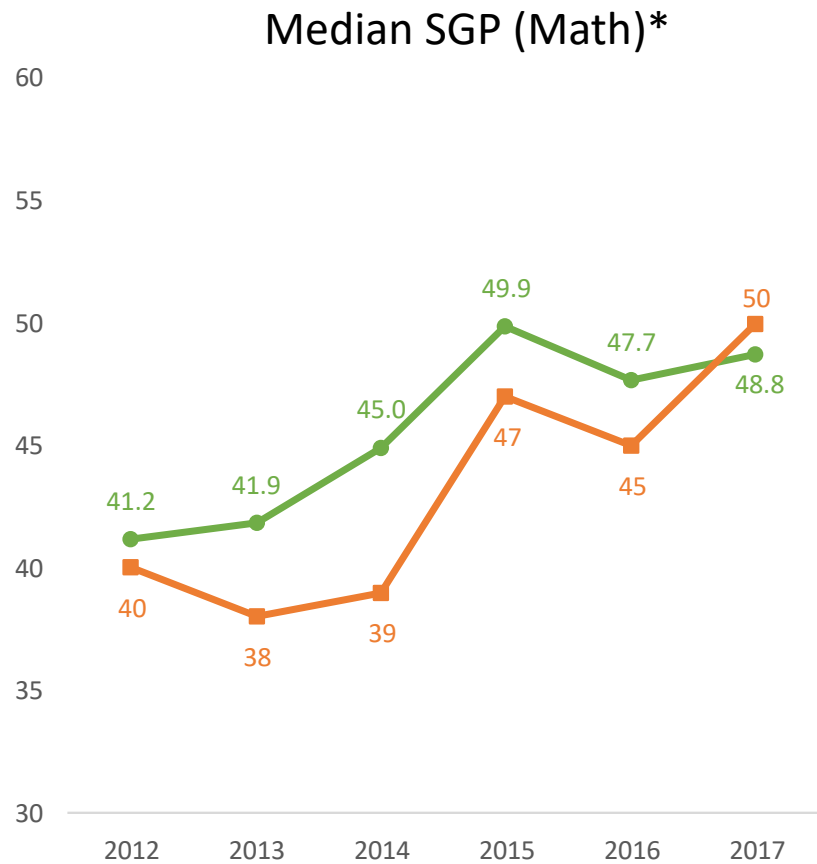
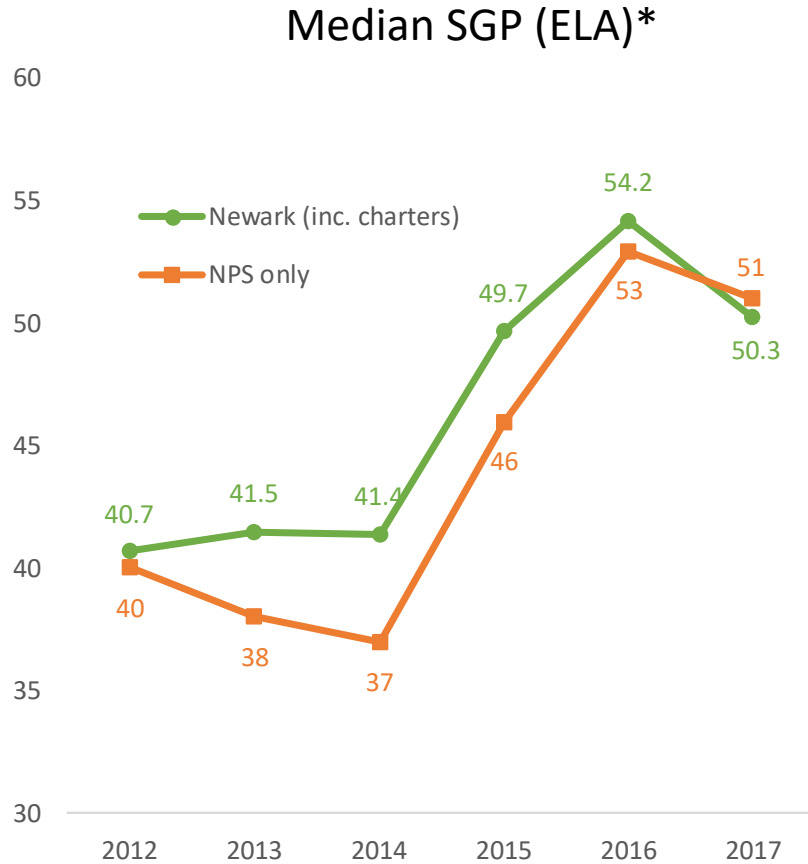
When focusing on NPS only, we again see declines through 2014, after which relative test scores have been rising

Newark Percentile based on **Average Scaled Score**
(Grades 3-8, **NPS Only**)



Source: analysis of NJDOE data. Note: graph shows Newark's percentile rank compared to other districts that had testing data reported from 2009 to 2017.

Student Growth Percentiles (SGPs) have increased in Newark and are now approximately equal to the state average in both ELA and math



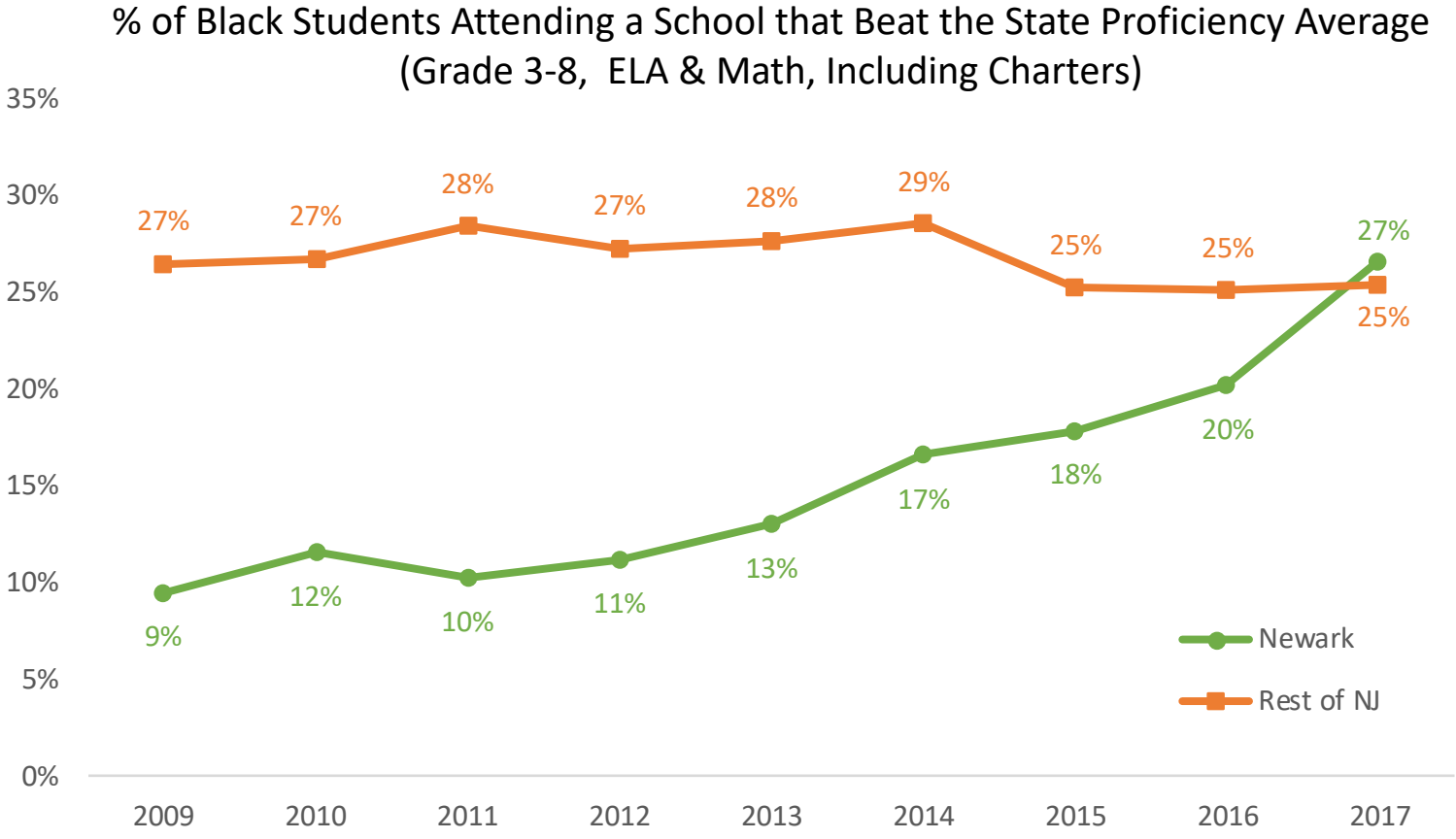
In 2017, for the first time, the median SGP of NPS students was on par or above the test score growth of Newark's charter school students

* For NPS, graph shows the median SGP. For Newark (inc. charters), the graph shows the weighted average of school-level median SGP scores, weighting by total enrollment, since a citywide median SGP score is not available. Source: analysis of NJDOE Performance Report data; Newark Public Schools.

In my study, I also update earlier work from other researchers, including a 2015 research note by Bruce Baker & Mark Weber

- In 2015, Baker & Weber published a research note entitled “On Average, Are Children in Newark Doing Better?”
 - They used school-by-grade level test score information and ran a regression to predict grade 6, 7, and 8 test scores, controlling for poverty, ELL status, and SWD status
 - They treat 2009 as the baseline year and look at trends in adjusted test scores through 2014
 - They conclude that through 2014 “Average state assessment scores in grades 6, 7, and 8 are pretty much right where they were – relative to non-Newark students – in 2009”
- I replicate their regression analysis – with minor modifications due to data availability – and update the results through 2017
 - Through 2014, I find results that closely align with theirs, showing no significant change in Newark test scores in any subject or grade
 - Extending their results through 2017, I find positive results that are statistically significant in most grade/subject combinations

I also update Andrew Martin's 2015 calculation of the share of Black students in Newark attending a school that beats the state proficiency average



For the first time in 2017, a Black student in Newark was more likely to attend a school that beat the state proficiency average than a Black student elsewhere in the state

Source: analysis of NJDOE data. Note: graph shows the percentage of Black students in grade 3-8 that attend a school that had a higher % proficient in their grade than the state average % proficient in their grade. Percent proficient is based on the aggregate % proficient in ELA and math in the student's grade. Original article at <https://www.the74million.org/article/the-prize-the-unwritten-appendix-by-those-inside-newarks-improving-schools/>

| 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|---------------------------------|--------------------------------|
| NORTH WILDWOOD CITY (185, 7) | NORTH WILDWOOD CITY (182, 6) | NORTH WILDWOOD CITY (187, 7) | DOVER TOWN (1260, 71%) | DOVER TOWN (1280, 69%) | DOVER TOWN (1346, 68%) | DOVER TOWN (1282, 51%) | DOVER TOWN (1359, 58%) | DOVER TOWN (1402, 60%) |
| QUINTON TWP (195, 70%) | DOVER TOWN (1248, 65%) | DOVER TOWN (1233, 67%) | NORTH WILDWOOD CITY (175, 6) | QUINTON TWP (236, 61%) | NORTH WILDWOOD CITY (188, 6) | NORTH WILDWOOD CITY (147, 4) | QUINTON TWP (217, 49%) | LAWRENCE TWP (299, 51%) |
| DOVER TOWN (1207, 66%) | QUINTON TWP (199, 64%) | FAIRVIEW BORO (683, 65%) | LAWRENCE TWP (297, 58%) | NORTH WILDWOOD CITY (183, 6) | BUENA REGIONAL (838, 57%) | LAWRENCE TWP (309, 41%) | LAWRENCE TWP (295, 46%) | UNION CITY (5115, 49%) |
| DOWNE TWP (106, 62%) | UNION CITY (4436, 58%) | QUINTON TWP (212, 62%) | QUINTON TWP (228, 57%) | BUENA REGIONAL (902, 57%) | VINELAND CITY (4435, 53%) | QUINTON TWP (212, 40%) | UNION CITY (5079, 44%) | QUINTON TWP (221, 49%) |
| UNION CITY (4364, 61%) | FAIRVIEW BORO (677, 56%) | UNION CITY (4513, 59%) | UNION CITY (4520, 56%) | UNION CITY (4416, 57%) | LAWRENCE TWP (276, 53%) | WEST NEW YORK TOWN (3022, 53%) | WEST NEW YORK TOWN (3156, 49%) | NORTH WILDWOOD CITY (130, 4) |
| BUENA REGIONAL (1051, 59%) | BUENA REGIONAL (1021, 56%) | BUENA REGIONAL (1048, 59%) | WEST NEW YORK TOWN (2848, 59%) | WEST NEW YORK TOWN (2868, 59%) | BUENA REGIONAL (838, 57%) | UNION CITY (4900, 37%) | ELIZABETH CITY (10654, 40%) | WEST NEW YORK TOWN (3300, 49%) |
| LAWRENCE TWP (299, 59%) | WEST NEW YORK TOWN (2848, 59%) | WEST NEW YORK TOWN (2868, 59%) | BUENA REGIONAL (1048, 59%) | BUENA REGIONAL (1048, 59%) | BUENA REGIONAL (1048, 59%) | WOODBINE BORO (95, 35%) | BUENA REGIONAL (671, 38%) | ELIZABETH CITY (11063, 43%) |
| SEASIDE HEIGHTS BORO (107, 58) | EAST NEWARK BORO (141, 52%) | LAWRENCE TWP (292, 54%) | FAIRVIEW BORO (677, 56%) | FAIRVIEW BORO (677, 56%) | FAIRVIEW BORO (677, 56%) | ELIZABETH CITY (10073, 33%) | NORTH WILDWOOD CITY (159, 3) | NEWARK CITY (23252, 41%) |
| FAIRVIEW BORO (643, 58%) | VINELAND CITY (4090, 51%) | VINELAND CITY (4142, 52%) | VINELAND CITY (4142, 52%) | VINELAND CITY (4142, 52%) | VINELAND CITY (4142, 52%) | FAIRVIEW BORO (729, 33%) | NEWARK CITY (22349, 37%) | FAIRVIEW BORO (768, 40%) |
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| WOODBINE BORO (115, 50%) | KEANSBURG BORO (677, 48%) | ATLANTIC CITY (2693, 46%) | NEWARK CITY (20864, 42%) | EAST ORANGE (4600, 44%) | NEWARK CITY (21985, 43%) | COMMERCIAL TWP (312, 27%) | EAST NEWARK BORO (170, 32%) | CITY OF ORANGE TWP (2180, 33%) |
| CITY OF ORANGE TWP (2019, 49%) | ATLANTIC CITY (2613, 46%) | SEASIDE HEIGHTS BORO (97, 45%) | ATLANTIC CITY (2783, 42%) | NEWARK CITY (21491, 43%) | CITY OF ORANGE TWP (2114, 42%) | PATERSON CITY (11880, 25%) | ATLANTIC CITY (3007, 30%) | WOODBINE BORO (84, 32%) |
| WILDWOOD CITY (308, 48%) | SEASIDE HEIGHTS BORO (97, 45%) | CITY OF ORANGE TWP (2076, 45%) | MILLVILLE CITY (2261, 42%) | ATLANTIC CITY (2940, 43%) | MILLVILLE CITY (2306, 41%) | ATLANTIC CITY (2922, 25%) | PATERSON CITY (12584, 29%) | PASSAIC CITY (6660, 31%) |
| MILLVILLE CITY (2261, 48%) | EGG HARBOR CITY (290, 45%) | MILLVILLE CITY (2247, 45%) | SEASIDE HEIGHTS BORO (101, 42%) | PERTH AMBOY CITY (4307, 42%) | PERTH AMBOY CITY (4438, 40%) | MILLVILLE CITY (2249, 24%) | CITY OF ORANGE TWP (2216, 28%) | MILLVILLE CITY (2153, 31%) |
| KEANSBURG BORO (701, 47%) | WILDWOOD CITY (315, 45%) | EAST ORANGE (4634, 44%) | PERTH AMBOY CITY (4200, 44%) | COMMERCIAL TWP (371, 43%) | ATLANTIC CITY (2940, 43%) | CITY OF ORANGE TWP (2105, 24%) | MILLVILLE CITY (2177, 28%) | DOWNE TWP (97, 31%) |
| PENNS GRV-CARNEY'S PT REG (11) | EAST ORANGE (4611, 45%) | WOODBINE BORO (129, 43%) | KEANSBURG BORO (701, 47%) | WOODBIN | WOODBIN | RO (96, 40%) | BUENA REGIONAL (683, 24%) | PASSAIC CITY (6484, 28%) |
| ATLANTIC CITY (2626, 46%) | NEWARK CITY (20876, 44%) | NEWARK CITY (20905, 43%) | NEWARK CITY (20677, 46%) | WOODBIN | WOODBIN | PT REG (9) | KEANSBURG BORO (478, 22%) | PLEASANTVILLE CITY (1592, 29%) |
| PERTH AMBOY CITY (4062, 46%) | MILLVILLE CITY (2308, 42%) | PERTH AMBOY CITY (4208, 41%) | PERTH AMBOY CITY (4062, 46%) | PENNS GRV-CARNEY'S PT REG (9) | PENNS GRV-CARNEY'S PT REG (9) | 16, 39%) | DOWNE TWP (109, 22%) | ATLANTIC CITY (3096, 29%) |
| EAST ORANGE (4638, 44%) | PERTH AMBOY CITY (4159, 42%) | COMMERCIAL TWP (408, 40%) | PATERSON | 16, 37%) | 16, 37%) | 78, 37%) | PASSAIC CITY (6222, 21%) | COMMERCIAL TWP (312, 26%) |
| IRVINGTON TOWNSHIP (3270, 4) | PAULSBORO BORO (483, 40%) | PENNS GRV-CARNEY'S PT REG (1) | IRVINGTON TOWNSHIP (3270, 4) | PASSAIC CITY (6007, 39%) | PAULSBORO BORO (488, 36%) | 16, 37%) | SEASIDE HEIGHTS BORO (100, 21%) | PENNS GRV-CARNEY'S PT REG (9) |
| EAST NEWARK BORO (150, 41%) | PENNS GRV-CARNEY'S PT REG (1) | WILDWOOD CITY (320, 39%) | PLEASANTVILLE CITY (1715, 37%) | SEASIDE HEIGHTS BORO (83, 37%) | PASSAIC CITY (6244, 36%) | 16, 37%) | IRVINGTON TOWNSHIP (2998, 21%) | IRVINGTON TOWNSHIP (3179, 25%) |
| PLEASANTVILLE CITY (1715, 41%) | PLEASANTVILLE CITY (1708, 38%) | PATERSON CITY (12560, 36%) | COMMERCIAL TWP (392, 36%) | PENNS GRV-CARNEY'S PT REG (9) | EAST NEWARK BORO (157, 36%) | 16, 37%) | IRVINGTON TOWNSHIP (3076, 21%) | NEW BRUNSWICK CITY (4409, 25%) |
| PAULSBORO BORO (510, 39%) | IRVINGTON TOWNSHIP (3223, 3) | PLEASANTVILLE CITY (1724, 36%) | PASSAIC CITY (5832, 35%) | FAIRFIELD TWP (342, 36%) | PLEASANTVILLE CITY (1608, 36%) | 16, 37%) | IRVINGTON TOWNSHIP (3095, 31%) | NEW BRUNSWICK CITY (4205, 21%) |
| PATERSON CITY (12097, 28%) | PATERSON CITY (12097, 28%) | PASSAIC CITY (6650, 28%) | IRVINGTON TOWNSHIP (3205, 31%) | PLEASANTVILLE CITY (1579, 35%) | IRVINGTON TOWNSHIP (3095, 31%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| PASSAIC CITY (6650, 28%) | PASSAIC CITY (6650, 28%) | PASSAIC CITY (6650, 28%) | PAULSBORO BORO (466, 34%) | IRVINGTON TOWNSHIP (3119, 31%) | FAIRFIELD TWP (265, 35%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| BRIDGE | BRIDGE | BRIDGE | FAIRFIELD TWP (347, 34%) | WILDWOOD CITY (341, 32%) | NEW BRUNSWICK CITY (4015, 29%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| NEW BRUNSWICK CITY (3801, 31) | NEW BRUNSWICK CITY (3801, 31) | NEW BRUNSWICK CITY (3801, 31) | FAIRFIELD TWP (347, 34%) | WILDWOOD CITY (341, 32%) | NEW BRUNSWICK CITY (4015, 29%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| FAIRFIELD TWP (265, 35%) | FAIRFIELD TWP (265, 35%) | FAIRFIELD TWP (265, 35%) | FAIRFIELD TWP (347, 34%) | WILDWOOD CITY (341, 32%) | NEW BRUNSWICK CITY (4015, 29%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| SALEM CITY (465, 31%) | SALEM CITY (465, 31%) | SALEM CITY (465, 31%) | SALEM CITY (465, 31%) | SALEM CITY (422, 29%) | SALEM CITY (408, 28%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| TRENTON CITY (6058, 29%) | TRENTON CITY (6058, 29%) | TRENTON CITY (6058, 29%) | TRENTON CITY (6058, 29%) | BRIDGETON CITY (2280, 29%) | TRENTON CITY (6026, 28%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| BRIDGETON CITY (2214, 28%) | BRIDGETON CITY (2214, 28%) | BRIDGETON CITY (2214, 28%) | BRIDGETON CITY (2214, 28%) | TRENTON CITY (6033, 28%) | BRIDGETON CITY (2391, 26%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| ASBURY PARK CITY (995, 24%) | ASBURY PARK CITY (995, 24%) | ASBURY PARK CITY (995, 24%) | ASBURY PARK CITY (995, 24%) | CAMDEN CITY (7030, 26%) | CAMDEN CITY (7058, 26%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |
| CAMDEN CITY (6997, 23%) | CAMDEN CITY (6997, 23%) | CAMDEN CITY (6997, 23%) | CAMDEN CITY (6997, 23%) | ASBURY PARK CITY (1009, 24%) | ASBURY PARK CITY (1009, 22%) | 16, 37%) | EGG HARBOR CITY (290, 10%) | KEANSBURG BORO (536, 22%) |

Thank you!

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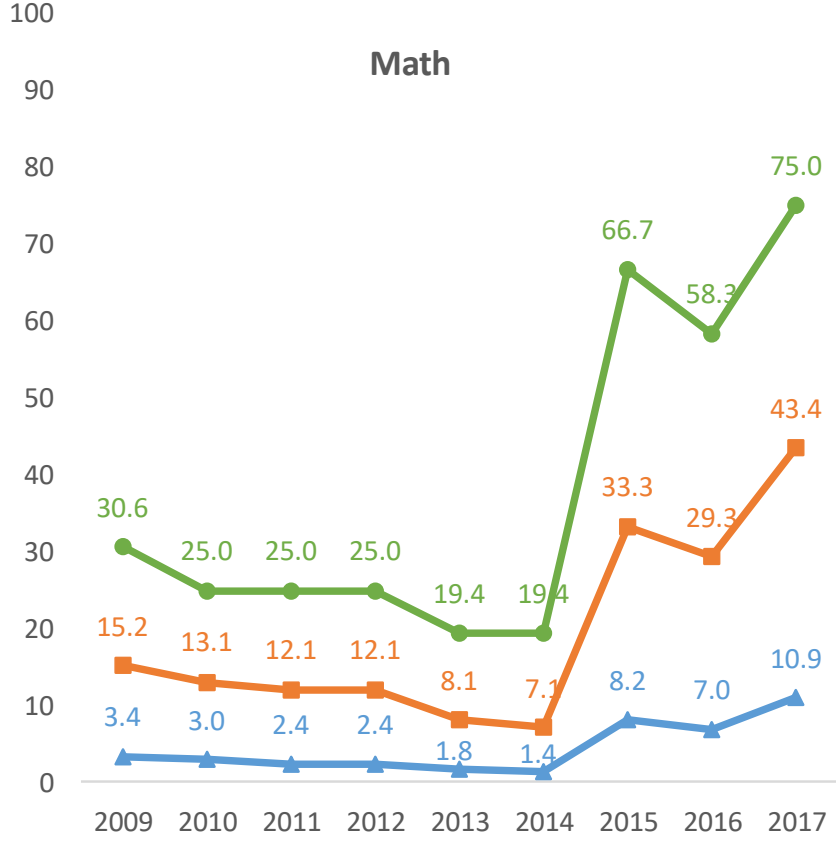
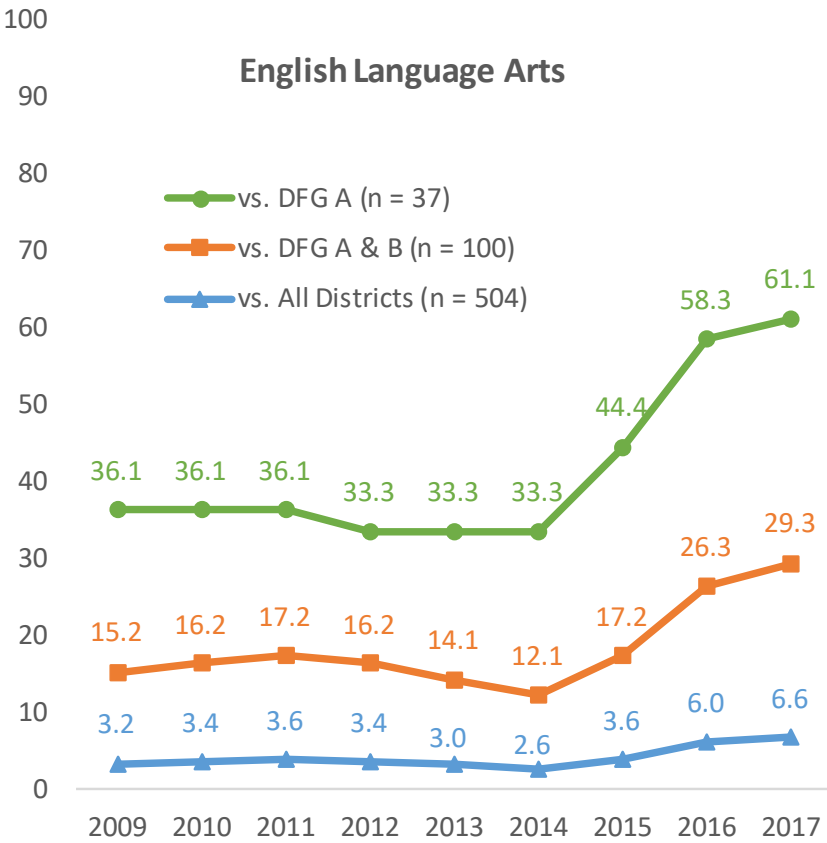
Go to margrady.com/movingup for the full study of performance trends in Newark

Go to margrady.com/newarkenrolls for a recent study of the Newark Enrolls system (in collaboration with Columbia University)

Appendix

When excluding charter schools, NPS's relative proficiency was flat to declining through 2014, after which it improved dramatically

Newark Percentile based on Percent Proficient
(Grades 3-8, **NPS Only**)



Source: analysis of NJDOE data. Note: graph shows Newark's percentile rank compared to other districts that had testing data reported from 2009 to 2017.