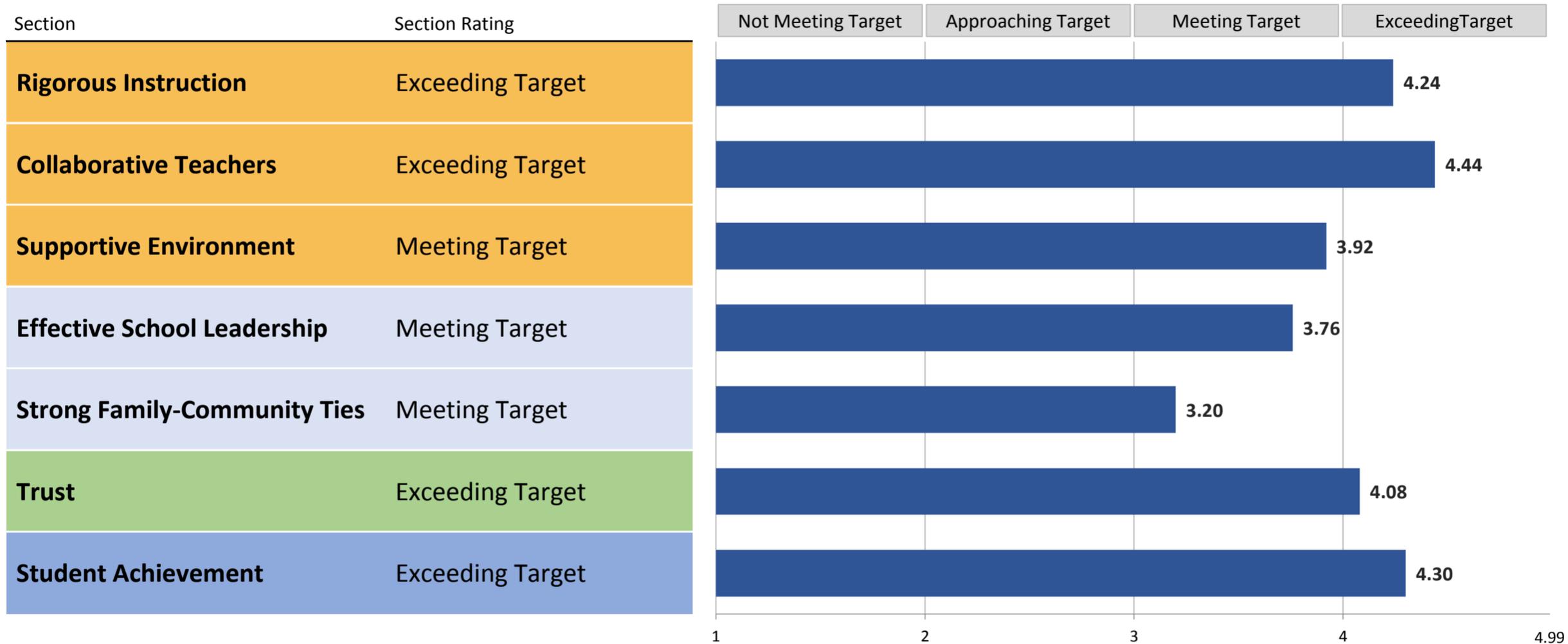


Framework for Great Schools

The Framework consists of six elements—Rigorous Instruction, Collaborative Teachers, Supportive Environment, Effective School Leadership, Strong Family-Community Ties, and Trust—that drive Student Achievement. The School Quality Guide shares ratings and data on each of the Framework elements, based on information from Quality Reviews, the NYC School Survey, student attendance, and movement of students with disabilities to less restrictive environments. The School Quality Guide also shares ratings and data on Student Achievement based on a variety of quantitative measures of student growth and performance.



Section scores are on a scale from 1.00 - 4.99. The first digit corresponds to the section rating, and the additional digits show how close the school was to the next rating level.

State Accountability Status: Reward

This designation is determined by the New York State Department of Education. More information on New York State accountability can be found at:

<http://schools.nyc.gov/Accountability/tools/accountability/default.htm>

Note

In addition, an online version of the 2014-15 School Quality Guide, with additional features, can be found at <http://schoolqualityreports.nyc>

Student Enrollment

| Grade | 2012 - 2013 | 2013 - 2014 | 2014 - 2015 |
|---------------------|--------------------|--------------------|--------------------|
| Grade 9 | 127 | 131 | 123 |
| Grade 10 | 113 | 120 | 119 |
| Grade 11 | 114 | 112 | 113 |
| Grade 12 | 94 | 98 | 102 |
| All students | 448 | 461 | 457 |

Student Demographics

| | 2012 - 2013 | 2013 - 2014 | 2014 - 2015 |
|--|--------------------|--------------------|--------------------|
| % English Language Learners | 3% | 4% | 3% |
| % Free Lunch Eligible | 74% | 74% | 75% |
| % Student with IEPs | 19% | 19% | 20% |
| % Student with IEPs (less than 20% time) | 6% | 7% | 8% |
| % Overage Under-credited | 3% | 3% | 4% |
| % HRA Eligible | - | - | 58% |
| % Temporary Housing | - | - | 7% |
| % Asian | 6% | 5% | 6% |
| % Black | 25% | 26% | 25% |
| % Hispanic | 68% | 67% | 66% |
| % White | 1% | 2% | 2% |
| % Other | 0% | 0% | 1% |
| Average Incoming ELA Proficiency | 2.98 | 2.77 | 2.74 |
| Average Incoming Math Proficiency | 3.33 | 2.64 | 2.64 |

2014-15 School Quality Guide / HS
Student Achievement Scoring Appendix

09X260
Bronx Center for Science and Mathematics

| | |
|----------------------------|---------------------------|
| Student Achievement Rating | Student Achievement Score |
| Exceeding Target | 4.30 |

| Student Achievement Metrics | n | 2014-15 School Value | Bottom of Target Range | 2014-15 Targets | | | Top of Target Range | Metric Score | Weight Pct |
|--|-----|----------------------|------------------------|--------------------|----------------|------------------|---------------------|-------------------------------|-------------|
| | | | | Approaching Target | Meeting Target | Exceeding Target | | | |
| Credit Accumulation | | | | | | | | | |
| • Percent of Students Earning 10+ Credits in 1st Year | 105 | 93.3% | 68.5% | 78.7% | 84.8% | 90.6% | 99.7% | 4.30 | 4.17% |
| • Percent of Students in School's Lowest Third Earning 10+ Credits in 1st Year | 36 | 83.3% | 42.6% | 59.4% | 70.4% | 80.7% | 97.2% | 4.16 | 4.17% |
| Percent of Students Earning 10+ Credits in 2nd Year | 119 | 88.2% | 63.0% | 74.7% | 81.3% | 87.5% | 97.6% | 3.98 | 4.17% |
| • Percent of Students in School's Lowest Third Earning 10+ Credits in 2nd Year | 37 | 78.4% | 37.3% | 55.0% | 66.1% | 76.5% | 93.6% | 4.11 | 4.17% |
| • Percent of Students Earning 10+ Credits in 3rd Year | 113 | 89.4% | 61.6% | 73.5% | 80.0% | 86.0% | 96.1% | 4.34 | 4.17% |
| • Percent of Students in School's Lowest Third Earning 10+ Credits in 3rd Year | 34 | 76.5% | 38.4% | 55.6% | 65.8% | 75.5% | 91.5% | 4.06 | 4.17% |
| Regents Performance | | | | | | | | | |
| Average Completion Rate for Remaining Regents | 218 | 71.4% | 38.8% | 56.6% | 66.2% | 75.3% | 90.3% | 3.57 | 4.17% |
| • Weighted Regents Pass Rate - ELA | 111 | 1.32 | 0.71 | 0.91 | 1.03 | 1.14 | 1.33 | 4.95 | 4.17% |
| • Weighted Regents Pass Rate - Math | 243 | 1.70 | 0.71 | 0.99 | 1.17 | 1.34 | 1.60 | 4.99 | 4.17% |
| Weighted Regents Pass Rate - Science | 226 | 1.38 | 0.64 | 1.03 | 1.25 | 1.46 | 1.82 | 3.62 | 4.17% |
| • Weighted Regents Pass Rate - Global History | 130 | 1.06 | 0.56 | 0.78 | 0.90 | 1.02 | 1.22 | 4.20 | 4.17% |
| • Weighted Regents Pass Rate - U.S. History | 109 | 1.38 | 0.64 | 0.87 | 1.02 | 1.15 | 1.38 | 4.99 | 4.17% |
| Graduation / Diploma | | | | | | | | | |
| 4-Year Graduation Rate | 111 | 90.1% | 60.5% | 73.1% | 83.2% | 90.3% | 99.0% | 3.97 | 6.25% |
| • 6-Year Graduation Rate | 102 | 96.1% | 66.3% | 76.3% | 85.6% | 92.1% | 100.0% | 4.51 | 6.25% |
| • 4-Year Weighted Diploma Rate | 111 | 241.4% | 134.7% | 174.1% | 209.9% | 235.2% | 267.2% | 4.19 | 6.25% |
| • 6-Year Weighted Diploma Rate | 102 | 257.4% | 126.4% | 165.0% | 204.2% | 232.0% | 266.0% | 4.75 | 6.25% |
| College and Career Readiness | | | | | | | | | |
| College and Career Preparatory Course Index | 111 | 53.2% | 15.8% | 31.4% | 51.5% | 67.9% | 87.2% | 3.10 | 5.00% |
| • 4-Year College Readiness Index | 111 | 67.6% | 9.6% | 20.6% | 35.6% | 47.8% | 62.8% | 4.99 | 5.00% |
| • 6-Year College Readiness Index with Persistence | 102 | 83.3% | 31.3% | 46.0% | 61.3% | 73.7% | 88.7% | 4.64 | 5.00% |
| Postsecondary Enrollment Rate - 6 Months | 109 | 73.4% | 38.4% | 52.1% | 65.4% | 76.2% | 89.5% | 3.74 | 5.00% |
| • Postsecondary Enrollment Rate - 18 Months | 102 | 86.3% | 47.0% | 59.2% | 71.7% | 82.0% | 94.4% | 4.35 | 5.00% |
| | | | | | | | | Weighted Average Score | 4.27 |

| Closing the Achievement Gap (CtAG) Metrics | n | 2014-15 School Population % | Population % of Range | 2014-15 School Value | Bottom of Target Range | 2014-15 Targets | | | Top of Target Range | Metric Score | Extra Points Possible | Extra Points Earned |
|---|----|-----------------------------|-----------------------|----------------------|------------------------|--------------------|----------------|------------------|---------------------|--------------|--|---------------------|
| | | | | | | Approaching Target | Meeting Target | Exceeding Target | | | | |
| Four-Year Weighted Diploma Rate | | | | | | | | | | | | |
| English Language Learners | 3 | 2.7% | 4.8% | | 25.9% | 103.0% | 163.9% | 225.7% | 320.1% | | 0.036 | 0.000 |
| • Self-Contained / ICT / SETSS | 21 | 18.9% | 48.0% | 323.8% | 0.0% | 110.0% | 197.0% | 285.2% | 420.0% | 4.29 | 0.036 | 0.030 |
| Lowest Third Citywide | 18 | 16.2% | 24.3% | 233.3% | 0.0% | 71.2% | 127.5% | 184.6% | 271.8% | | 0.036 | 0.000 |
| Black / Hispanic Males in Lowest Third Citywide | 10 | 9.0% | 23.1% | 330.0% | 0.0% | 65.3% | 116.9% | 169.2% | 249.2% | | 0.036 | 0.000 |
| College and Career Readiness | | | | | | | | | | | | |
| Students in Lowest Third Citywide, College and Career Preparatory Course Index | 18 | 16.2% | 24.3% | 5.6% | 0.0% | 7.3% | 13.0% | 18.9% | 27.8% | | 0.036 | 0.000 |
| Students in Lowest Third Citywide, 4-Year College Readiness Index | 18 | 16.2% | 24.3% | 5.6% | 0.0% | 1.4% | 2.5% | 3.7% | 5.4% | | 0.036 | 0.000 |
| Students in the Lowest Third Citywide, Postsecondary Enrollment Rate - 6 Months | 16 | 14.7% | 24.2% | 31.3% | 0.0% | 11.4% | 20.4% | 29.5% | 43.4% | | 0.036 | 0.000 |
| | | | | | | | | | | | CtAG Additional Points | 0.03 |
| | | | | | | | | | | | Overall Student Achievement Score | 4.30 |

- Filled circle indicates a metric rating of Exceeding Target (and a metric score of 4.00 or higher).
- Empty circle indicates a metric rating of Not Meeting Target (and a metric score of 1.99 or lower).

| | Metric Value | Metric Score | Weight Pct |
|--|-----------------------|--------------|------------|
| Rigorous Instruction | | | |
| Quality Review 1.1 | Well Developed | 4.99 | 22% |
| Quality Review 1.2 | Well Developed | 4.99 | 22% |
| Quality Review 2.2 | Well Developed | 4.99 | 22% |
| NYC School Survey - Rigorous Instruction | 83% | 2.80 | 34% |
| Section Rating: Exceeding Target | Section Score: | 4.24 | |

| | | | |
|--|-----------------------|-------------|-----|
| Collaborative Teachers | | | |
| Quality Review 4.2 | Well Developed | 4.99 | 50% |
| NYC School Survey - Collaborative Teachers | 91% | 3.84 | 50% |
| Section Rating: Exceeding Target | Section Score: | 4.44 | |

| | | | |
|---|-----------------------|-------------|-----|
| Supportive Environment | | | |
| Quality Review 3.4 | Well Developed | 4.99 | 30% |
| NYC School Survey - Supportive Environment | 86% | 3.68 | 35% |
| Percentage of students with 90%+ attendance | | | |
| EMS | | | |
| HS | 73.2% | 3.16 | |
| Overall | 73.2% | 3.16 | 30% |
| Movement of students with disabilities to less restrictive environments | | | |
| EMS | | | |
| HS | 0.65 | 3.83 | |
| Overall | 0.65 | 3.83 | 5% |
| Section Rating: Meeting Target | Section Score: | 3.92 | |

| | | | |
|---|-----------------------|-------------|------|
| Effective School Leadership | | | |
| NYC School Survey - Effective School Leadership | 87% | 3.76 | 100% |
| Section Rating: Meeting Target | Section Score: | 3.76 | |

| | | | |
|--|-----------------------|-------------|------|
| Strong Family-Community Ties | | | |
| NYC School Survey - Strong Family-Community Ties | 75% | 3.20 | 100% |
| Section Rating: Meeting Target | Section Score: | 3.20 | |

| | | | |
|---|-----------------------|-------------|------|
| Trust | | | |
| NYC School Survey - Trust | 93% | 4.08 | 100% |
| Section Rating: Exceeding Target | Section Score: | 4.08 | |

| | | Survey % Positive | City Range | | | Percent of Range | Score | |
|------------------------------------|-------------------------------------|-------------------|-----------------|----------|--------------|------------------|-------|-------------|
| | | | Bottom of Range | City Avg | Top of Range | | | |
| Rigorous Instruction | | | | | | | | |
| | Common Core shifts in literacy | Teachers | 84 | 76.8 | 89.4 | 100.0 | 0.32 | 2.28 |
| ○ | Common Core shifts in math | Teachers | 76 | 69.2 | 85.8 | 100.0 | 0.23 | 1.92 |
| | Course clarity | Students | 90 | 77.5 | 86.9 | 96.3 | 0.64 | 3.56 |
| | Quality of student discussion | Teachers | 82 | 55.8 | 77.8 | 99.8 | 0.60 | 3.40 |
| Section Results: | | | 83% | | | | | 2.80 |
| Collaborative Teachers | | | | | | | | |
| Cultural awareness: | | | | | | | | |
| | Cultural awareness | Teachers | 92 | 85.4 | 94.4 | 100.0 | 0.50 | |
| | Cultural awareness | Parents | 94 | 82.3 | 91.9 | 100.0 | 0.64 | |
| | Cultural awareness | Students | 82 | 66.6 | 80.6 | 94.6 | 0.54 | |
| | Cultural awareness | Combined | 89 | | | | 0.56 | 3.24 |
| | Inclusive classroom instruction | Teachers | 90 | 82.7 | 93.1 | 100.0 | 0.50 | 3.00 |
| | Quality of professional development | Teachers | 79 | 50.4 | 75.6 | 100.0 | 0.57 | 3.28 |
| ● | School commitment | Teachers | 92 | 53.7 | 82.3 | 100.0 | 0.83 | 4.32 |
| ● | Innovation | Teachers | 92 | 65.9 | 84.5 | 100.0 | 0.77 | 4.08 |
| ● | Reflective dialogue | Teachers | 95 | 85.1 | 95.3 | 100.0 | 0.75 | 4.00 |
| ● | Peer collaboration | Teachers | 96 | 75.2 | 90.6 | 100.0 | 0.85 | 4.40 |
| ● | Focus on student learning | Teachers | 95 | 60.0 | 85.2 | 100.0 | 0.87 | 4.48 |
| | Collective responsibility | Teachers | 88 | 58.1 | 80.7 | 100.0 | 0.72 | 3.88 |
| Section Results: | | | 91% | | | | | 3.84 |
| Supportive Environment | | | | | | | | |
| Safety: | | | | | | | | |
| | Safety | Teachers | | | | | | |
| | Safety | Students | 81 | 67.5 | 82.9 | 98.3 | 0.44 | |
| | Safety | Combined | 81 | | | | 0.44 | 2.76 |
| Classroom behavior: | | | | | | | | |
| | Classroom behavior | Teachers | | | | | | |
| | Classroom behavior | Students | 91 | 68.3 | 82.1 | 95.9 | 0.81 | |
| ● | Classroom behavior | Combined | 91 | | | | 0.81 | 4.24 |
| ● | Social-emotional measure | Teachers | 95 | 86.6 | 95.2 | 100.0 | 0.75 | 4.00 |
| | Peer interactions | Students | 78 | 58.2 | 74.4 | 90.6 | 0.60 | 3.40 |
| | Next-level guidance | Students | 87 | 71.4 | 83.6 | 95.8 | 0.65 | 3.60 |
| Press toward academic achievement: | | | | | | | | |
| | Press toward academic achievement | Teachers | | | | | | |
| | Press toward academic achievement | Students | 91 | 76.3 | 86.1 | 95.9 | 0.77 | |
| ● | Press toward academic achievement | Combined | 91 | | | | 0.77 | 4.08 |
| | Personal attention and support | Students | 85 | 69.0 | 81.8 | 94.6 | 0.63 | 3.52 |
| Peer support for academic work: | | | | | | | | |
| | Peer support for academic work | Teachers | | | | | | |
| | Peer support for academic work | Parents | 93 | 68.1 | 85.5 | 100.0 | 0.77 | |
| | Peer support for academic work | Students | 65 | 41.0 | 61.6 | 82.2 | 0.59 | |
| | Peer support for academic work | Combined | 79 | | | | 0.68 | 3.72 |
| Section Results: | | | 86% | | | | | 3.68 |

| | | Survey % Positive | City Range | | | Percent of Range | Score |
|--------------------------------------|----------|-------------------|-----------------|----------|--------------|------------------|-------------|
| | | | Bottom of Range | City Avg | Top of Range | | |
| Effective School Leadership | | | | | | | |
| Inclusive principal leadership | Parents | 92 | 76.5 | 88.9 | 100.0 | 0.65 | 3.60 |
| Teacher influence | Teachers | 76 | 40.6 | 71.4 | 100.0 | 0.59 | 3.36 |
| • Program coherence | Teachers | 90 | 57.0 | 82.6 | 100.0 | 0.77 | 4.08 |
| • Principal instructional leadership | Teachers | 90 | 58.2 | 84.6 | 100.0 | 0.76 | 4.04 |
| Section Results: | | 87% | | | | | 3.76 |
| Strong Family Community Ties | | | | | | | |
| Teacher outreach to parents: | | | | | | | |
| Teacher outreach to parents | Teachers | 91 | 75.2 | 89.0 | 100.0 | 0.63 | |
| Teacher outreach to parents | Parents | 90 | 76.7 | 88.1 | 99.5 | 0.58 | |
| Teacher outreach to parents | Combined | 90 | | | | 0.61 | 3.44 |
| Parent involvement in the schools | Parents | 60 | 41.2 | 61.0 | 80.8 | 0.48 | 2.92 |
| Section Results: | | 75% | | | | | 3.20 |
| Trust | | | | | | | |
| • Parent-teacher trust | Parents | 96 | 84.9 | 93.1 | 100.0 | 0.75 | 4.00 |
| • Parent-principal trust | Parents | 98 | 84.5 | 93.7 | 100.0 | 0.84 | 4.36 |
| Student-teacher trust | Students | 85 | 68.5 | 81.1 | 93.7 | 0.66 | 3.64 |
| • Teacher-principal trust | Teachers | 92 | 55.0 | 84.0 | 100.0 | 0.83 | 4.32 |
| • Teacher-teacher trust | Teachers | 95 | 75.7 | 90.9 | 100.0 | 0.78 | 4.12 |
| Section Results: | | 93% | | | | | 4.08 |

2014-15 School Quality Reports / HS
Targets for 2015-16

09X260

Bronx Center for Science and Mathematics

These tables show the values needed in 2015-16 for the school to achieve a rating of Exceeding Target, Meeting Target, Approaching Target, or Not Meeting Target on each metric.

| Student Achievement Metrics | 2014-15 School Value | 2015-16 Targets | | | |
|--|-------------------------|--------------------|--------------------|----------------|------------------|
| | | Not Meeting Target | Approaching Target | Meeting Target | Exceeding Target |
| Credit Accumulation | | | | | |
| 10+ Credits in 1st Year - All Students | 93.3% | 73.0% or lower | 73.1% to 80.5% | 80.6% to 85.8% | 85.9% or higher |
| 10+ Credits in 1st Year - School's Lowest Third | 83.3% | 55.4% or lower | 55.5% to 66.5% | 66.6% to 74.2% | 74.3% or higher |
| 10+ Credits in 2nd Year - All Students | 88.2% | 75.1% or lower | 75.2% to 82.0% | 82.1% to 86.9% | 87.0% or higher |
| 10+ Credits in 2nd Year - School's Lowest Third | 78.4% | 53.1% or lower | 53.2% to 63.8% | 63.9% to 71.3% | 71.4% or higher |
| 10+ Credits in 3rd Year - All Students | 89.4% | 72.5% or lower | 72.6% to 80.1% | 80.2% to 85.5% | 85.6% or higher |
| 10+ Credits in 3rd Year - School's Lowest Third | 76.5% | 54.2% or lower | 54.3% to 64.7% | 64.8% to 72.1% | 72.2% or higher |
| Regents Performance | | | | | |
| Average Completion Rate for Remaining Regents | 71.4% | 55.6% or lower | 55.7% to 62.5% | 62.6% to 67.3% | 67.4% or higher |
| Average Regents Score - English (non-Common Core)* | | 71.3 or lower | 71.4 to 74.6 | 74.7 to 77.0 | 77.1 or higher |
| Average Regents Score - English (Common Core)* | 85.0 | 77.1 or lower | 77.2 to 80.9 | 81.0 to 83.6 | 83.7 or higher |
| Average Regents Score - Living Environment* | 80.0 | 67.6 or lower | 67.7 to 70.9 | 71.0 to 73.3 | 73.4 or higher |
| Average Regents Score - Global History* | 77.0 | 66.9 or lower | 67.0 to 70.5 | 70.6 to 73.0 | 73.1 or higher |
| Average Regents Score - US History* | 87.0 | 73.8 or lower | 73.9 to 77.8 | 77.9 to 80.6 | 80.7 or higher |
| Average Regents Score - Algebra I (Common Core)* | 71.0 | 60.5 or lower | 60.6 to 63.3 | 63.4 to 65.2 | 65.3 or higher |
| Graduation / Non-Dropout | | | | | |
| 4-Year Graduation Rate | 90.1% | 77.0% or lower | 77.1% to 83.4% | 83.5% to 87.9% | 88.0% or higher |
| 6-Year Graduation Rate | 96.1% | 82.7% or lower | 82.8% to 87.5% | 87.6% to 90.8% | 90.9% or higher |
| 4-Year Non-Dropout Rate | 97.3% | 87.8% or lower | 87.9% to 91.1% | 91.2% to 93.5% | 93.6% or higher |
| 6-Year Non-Dropout Rate | 96.1% | 84.5% or lower | 84.6% to 88.8% | 88.9% to 91.8% | 91.9% or higher |
| College and Career Readiness | | | | | |
| College and Career Preparatory Course Index | 53.2% | 41.6% or lower | 41.7% to 54.6% | 54.7% to 63.7% | 63.8% or higher |
| 4-Year College Readiness Index | 67.6% | 33.6% or lower | 33.7% to 41.8% | 41.9% to 47.6% | 47.7% or higher |
| 6-Year College Readiness Index with Persistence | 83.3% | 63.5% or lower | 63.6% to 70.4% | 70.5% to 75.3% | 75.4% or higher |
| Postsecondary Enrollment Rate - 6 Months | 73.4% | 68.9% or lower | 69.0% to 77.3% | 77.4% to 83.2% | 83.3% or higher |
| Postsecondary Enrollment Rate - 18 Months | 86.3% | 72.6% or lower | 72.7% to 78.7% | 78.8% to 83.0% | 83.1% or higher |

* Because it is not possible to accurately predict who will take the Regents exams in advance, the table above provides *estimated* targets for the Regents score metrics. These targets will be adjusted based on the students at the school who actually take the exams.

| Closing the Achievement Gap Metrics** | 2014-15 School Value | 2015-16 Targets | | | |
|--|-------------------------|--------------------|--------------------|----------------|------------------|
| | | Not Meeting Target | Approaching Target | Meeting Target | Exceeding Target |
| Four-Year Graduation Rate | | | | | |
| English Language Learners | | 59.9% or lower | 60.0% to 70.7% | 70.8% to 78.2% | 78.3% or higher |
| Self-Contained / ICT / SETSS | 61.9% | 55.0% or lower | 55.1% to 66.5% | 66.6% to 74.5% | 74.6% or higher |
| Lowest Third Citywide | | | | | |
| Lowest Third Citywide | 66.7% | 48.9% or lower | 49.0% to 59.9% | 60.0% to 67.7% | 67.8% or higher |
| Black / Hispanic Males in Lowest Third Citywide | 70.0% | 43.1% or lower | 43.2% to 55.0% | 55.1% to 63.3% | 63.4% or higher |
| College and Career Readiness of Students in Lowest Third Citywide | | | | | |
| College and Career Preparatory Course Index | 5.6% | 13.2% or lower | 13.3% to 20.0% | 20.1% to 24.7% | 24.8% or higher |
| 4-Year College Readiness Index | 5.6% | 4.1% or lower | 4.2% to 6.2% | 6.3% to 7.7% | 7.8% or higher |
| Postsecondary Enrollment Rate - 6 Months | 31.3% | 29.7% or lower | 29.8% to 38.4% | 38.5% to 44.5% | 44.6% or higher |

**To earn additional points from the Closing the Achievement Gap section on the 2015-16 School Quality Reports, the school must meet the targets below and have a population percentage (of the relevant high-need group) that is not more than one standard deviation below the citywide average.

| Supportive Environment Metrics | 2014-15 School Value | 2015-16 Targets | | | |
|---|-------------------------|--------------------|--------------------|----------------|------------------|
| | | Not Meeting Target | Approaching Target | Meeting Target | Exceeding Target |
| Percentage of Students with 90%+ Attendance | 73.2% | 63.3% or lower | 63.4% to 70.6% | 70.7% to 75.7% | 75.8% or higher |
| Movement of Students with Disabilities to Less Restrictive Environments | 0.65 | 0.46 or lower | 0.47 to 0.61 | 0.62 to 0.71 | 0.72 or higher |