

Banneker Elementary School

CHICAGO PUBLIC SCHOOLS
CHICAGO, ILLINOIS.

SCHOOL PROFILE

533 STUDENTS GRADES PK-8
99% Free/Reduced Lunch
99% African American
1% Hispanic

PLATO ACHIEVE NOW™ IMPLEMENTATION

Grades 1, 2 and 4
Supplemental Educational Services Program Implementation
Reading/Language Arts/Mathematics Focus
After School Tutorial Model

RESEARCH INSTRUMENTS

Achieve Now Progress Test

RESEARCH TIME FRAME

November - April
2004-2005 School Year

STUDENTS AT BANNEKER ELEMENTARY MAKE GAINS IN READING AND LANGUAGE ARTS AND MATHEMATICS

BANNEKER ELEMENTARY SCHOOL CHOSE PLATO ACHIEVE NOW TO USE AS PART OF A SUPPLEMENTAL EDUCATIONAL SERVICES (SES) AFTERSCHOOL PROGRAM FOR STUDENTS IN GRADES ONE, TWO AND FOUR. STUDENTS WHO PARTICIPATED IN THE SES IMPLEMENTATION MADE GAINS IN TOTAL READING, LANGUAGE ARTS AND MATHEMATICS.

DURING THE 2004-2005 SCHOOL YEAR, STUDENTS AT BANNEKER ELEMENTARY SCHOOL PARTICIPATING IN THE SUPPLEMENTAL EDUCATION SERVICES PROGRAM MADE GAINS IN READING AND LANGUAGE ARTS AND MATHEMATICS. WHEN PRE- AND POST-TEST SCORES OF THE PLATO® ACHIEVE NOW PROGRESS TEST WERE COMPARED, ON AVERAGE BANNEKER ELEMENTARY STUDENTS MADE A 12.84 (p<.001) PERCENTAGE POINT GAIN IN TOTAL READING AND LANGUAGE ARTS SCORES AND A 2.77 (p=.280) PERCENTAGE POINT GAIN IN TOTAL MATHEMATICS SCORES.

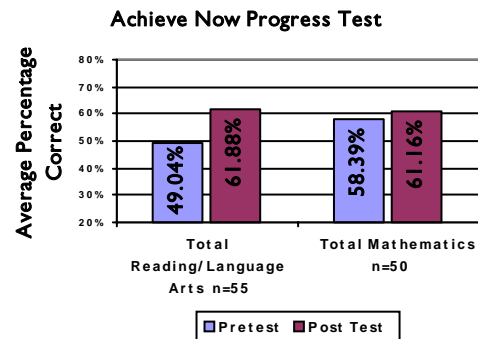
PLATO LEARNING, INC. REQUIRES STUDENTS TO ATTEND A MINIMUM OF 75% OF THE SCHEDULED SESSIONS, AND BY THE END OF THE PROGRAM PERIOD, 75% OF THE PROGRAM PARTICIPANTS ARE EXPECTED TO ATTAIN A 15% INCREASE IN PROFICIENCY SCORES.

IN TERMS OF AVERAGE PERCENTAGE CHANGE, STUDENTS MADE A 37.90% INCREASE IN TOTAL READING AND LANGUAGE ARTS PROFICIENCY SCORE. STUDENTS ALSO MADE A 25.24% INCREASE IN TOTAL MATHEMATICS PROFICIENCY SCORE.

THE SES PROGRAM AT BANNEKER ELEMENTARY RAN FOR A TOTAL OF 60 HOURS. STUDENTS TARGETED FOR PARTICIPATION USED PLATO® ACHIEVE NOW INTERACTIVE CURRICULUM TO IMPROVE ACADEMIC PROFICIENCY. STUDENTS WERE ASSESSED USING THE PLATO ACHIEVE NOW PRE-TEST AND PROGRAM SUCCESS WAS MEASURED BY A COMPARISON OF PRE- AND POST-TEST SCORES.

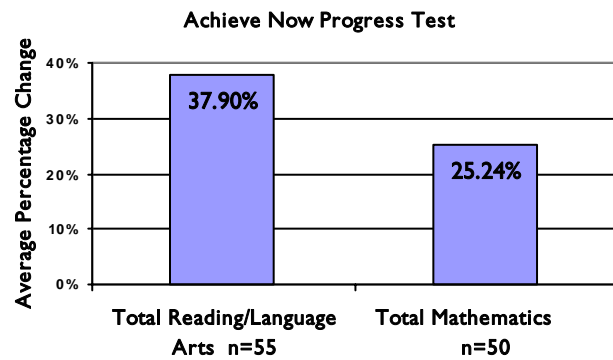
Banneker Elementary students made gains in Total Language Arts and Total Mathematics

When assessed with the PLATO® Achieve Now Progress Test, on average students in grades one, two and four who participated in the SES program at Banneker Elementary made a statistically significant 12.84 (p<.001) percentage point gain in Total Reading and Language Arts moving from a mean score of 49.04% on the pretest to a mean score of 61.88% at post test. This combined group of students also made a 2.77 (p=.280) percentage point gain in Total Mathematics score moving from a mean score of 58.39% on the pretest to a mean score of 61.16% at post test.



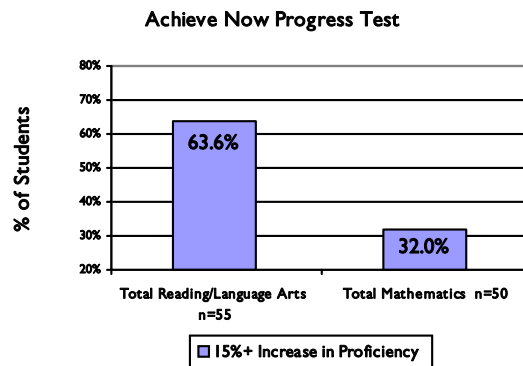
Students make percentage increases in both Reading and Language Arts and Mathematics

When PLATO Achieve Now pre- and post-test scores were compared, the students participating in the SES Program at Banneker Elementary made an average increase of 37.90% in Total Reading and Language Arts proficiency score and an average increase of 25.24% in Total Mathematics proficiency score. The average attendance hours for those students with both pre- and post-test scores in Reading and Language Arts was 50.22 hours and for those students with both pre- and post-test scores in Mathematics was 50.24 hours.



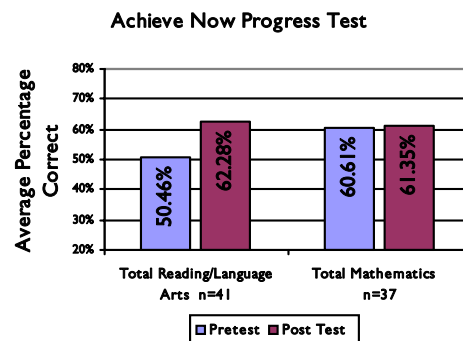
Some students make 15% gain in proficiency scores

Of the students in grades one, two and four at Banneker Elementary who had both pre- and post-test scores from the PLATO Achieve Now Progress Test, 63.6% made a 15% or more increase in Total Reading proficiency and 32.0% of students made a 15% or more increase in Total Mathematics proficiency.



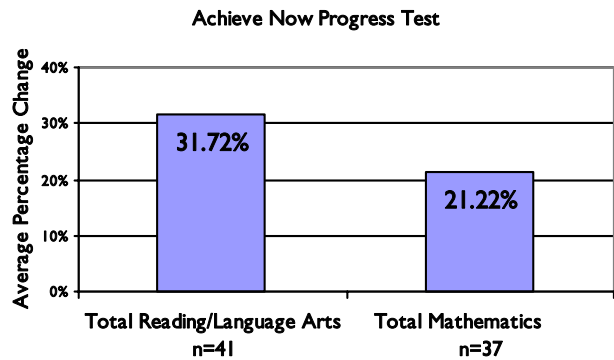
Banneker Elementary students made gains in Total Language Arts and Total Mathematics

When assessed with the PLATO® Achieve Now Progress Test, on average students in grades one, two and four who participated in the SES program at Banneker Elementary and who had an attendance rate of 80% (48+ hours) or higher made a significant 11.82 ($p < .001$) percentage point gain in Total Reading and Language Arts moving from a mean score of 50.46% on the pretest to a mean score of 62.28% at post test. This combined group of students also made a 0.74 ($p = .804$) percentage point gain in Total Mathematics score moving from a mean score of 60.61% on the pretest to a mean score of 61.35% at post test.



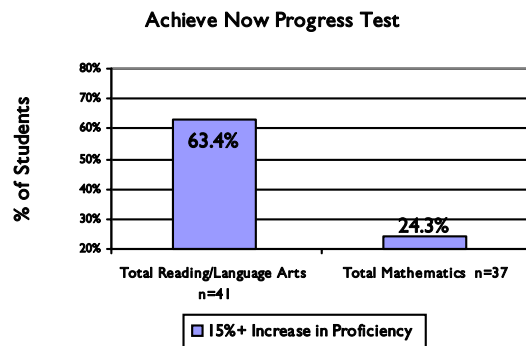
Students with 80% attendance rate make percentage increases in both Reading and Language Arts and Mathematics

When PLATO Achieve Now pre- and post-test scores were compared, the students participating in the SES Program at Banneker Elementary who had an attendance rate of 80% (48+ hours) or more made an average increase of 31.72% in Total Reading and Language Arts score and an average increase of 21.22% in Total Mathematics Score. The average attendance hours for those students with both pre- and post-test scores in Reading and Language Arts was 53.07 hours and for those students with both pre- and post-test scores in Mathematics was 53.24 hours.



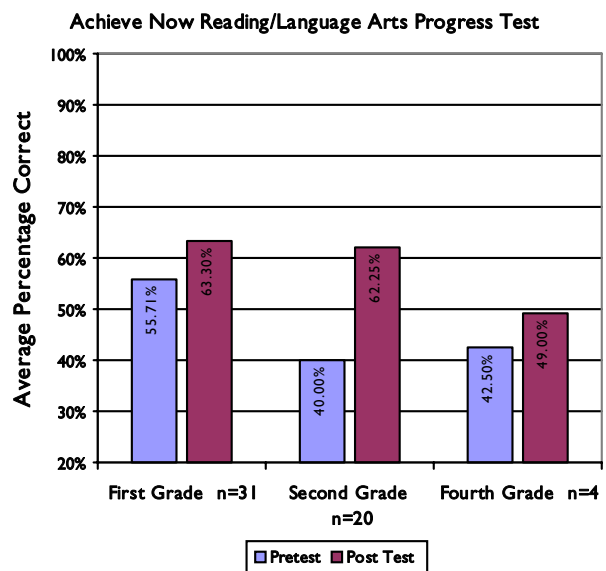
Students with 80% attendance rate make 15% gain in proficiency scores

When pre- and post-test scores of the PLATO Achieve Now Progress Test were compared, on average the Banneker Elementary students participating in the SES program who had attendance rates of 80% (48+ hours) or more, 63.4% made a 15% or more increase in Total Reading proficiency scores and 24.3% made a 15% or more increase in Total Mathematics proficiency scores.



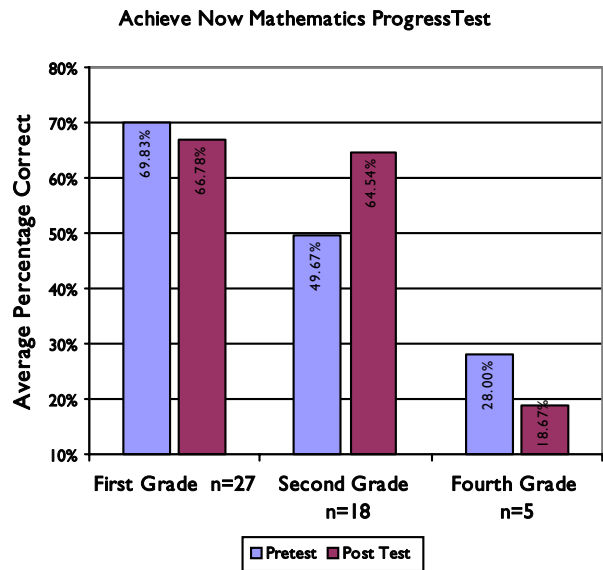
Students made gains in Total Reading and Language Arts scores

When assessed with the PLATO Achieve Now Progress Test, on average students in first grade who participated in the SES program at Banneker Elementary made a significant 7.58 ($p=.003$) percentage point gain in Total Reading and Language Arts score moving from a mean score of 55.71% on the pretest to a mean score of 63.30% at post test. On average second-grade students made a statistically significant 22.25 ($p<.001$) percentage point gain in Total Reading and Language Arts score moving from a mean score of 40.00% on the pretest to a mean score of 62.25% at post test. On average fourth-grade students made a 6.50 ($p=.391$) percentage point gain in Total Reading and Language Arts score moving from a mean score of 42.50% on the pretest to a mean score of 49.00% at post test.



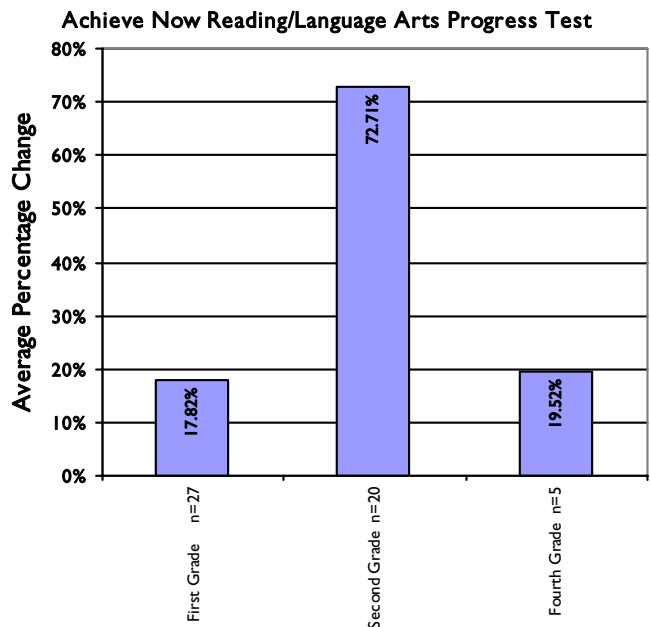
Second-grade students make significant gains in Mathematics

When assessed with the PLATO Achieve Now Progress Test, on average students in first grade who participated in the SES program at Banneker Elementary made a 3.05 (p=.253) percentage point decline in Total Mathematics score moving from a mean score of 69.83% on the pretest to a mean score of 66.78% at post test. On average second-grade students made a significant 14.87 (p=.005) percentage point gain in Total Mathematics score moving from a mean score of 49.67% on the pretest to a mean score of 64.54% at post test. On average fourth-grade students made a 9.34 (p=.101) percentage point decline in Total Mathematics score moving from a mean score of 28.00% on the pretest to a mean score of 18.67% at post test.



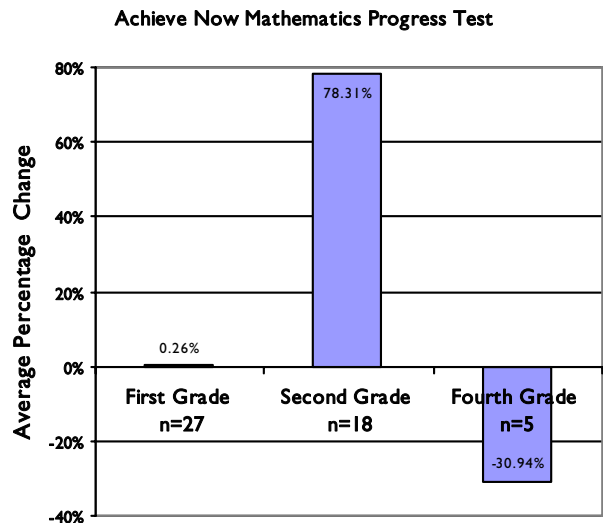
Students made percentage gains in Total Reading and Language Art proficiency scores

When assessed with the PLATO Achieve Now Progress Test, results in terms of percentage change students in first grade who participated in the SES program at Banneker Elementary on average made a mean 17.82% increase in Total Reading and Language Arts proficiency score. On average students in second-grade made a mean 72.71% increase in Total Reading and Language Arts proficiency score. On average fourth-grade students made a 19.52% gain in Total Reading and Language Arts proficiency score. The mean attendance times in Reading and Language Arts were 50.45 hours for first grade, 49.79 hours for second grade, and 50.50 hours for fourth grade.



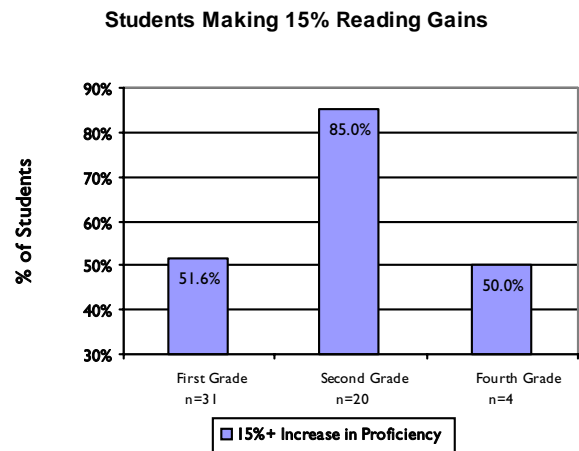
Students made percentage gains in Total Mathematics proficiency scores

When assessed with the PLATO Achieve Now Progress Test, results in terms of percentage change students in first grade who participated in the SES program at Banneker Elementary on average made a mean 0.26% increase in Total Mathematics proficiency score. On average students in second grade made a mean 78.31% increase in Mathematics proficiency score. On average fourth-grade students made a 30.94% decline in Total Mathematics proficiency score. The mean attendance times in Mathematics were 50.07 hours for first grade, 50.35 hours for second grade, and 50.80 hours for fourth grade.



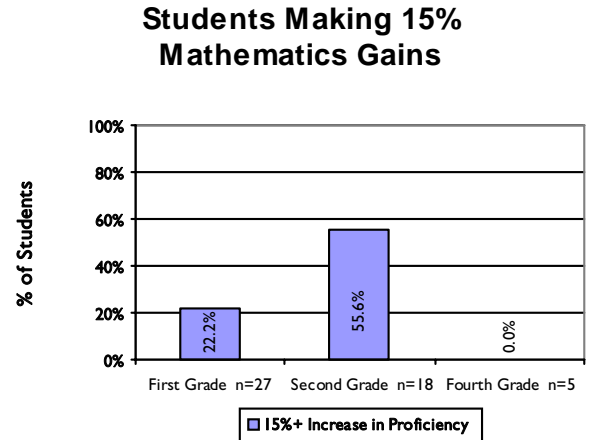
Students make 15% or more gain in Reading

When PLATO Achieve Now Progress Test scores were reviewed, 51.6% of the first-grade students, 85.0% of the second-grade students and 50.0% of the fourth-grade students made gains of 15% or more in Reading.



Students make 15% or more gain in Mathematics

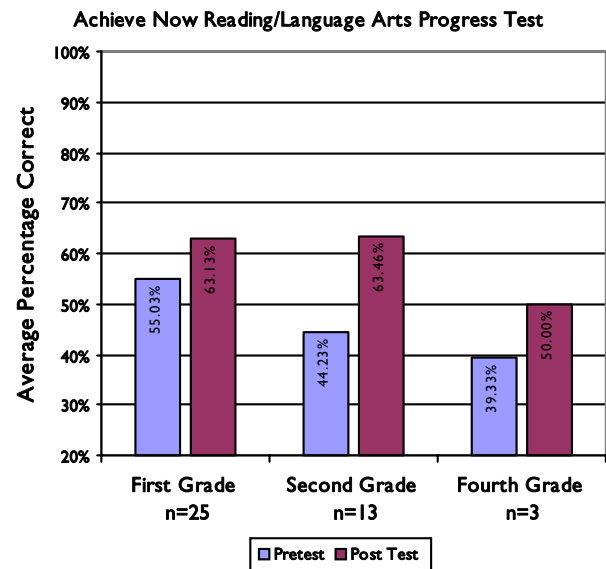
When PLATO Achieve Now Progress Test scores were reviewed, 22.2% of the first-grade students, 55.6% of the second-grade students and 0% of the fourth-grade students made gains of 15% or more in Mathematics.



Elementary students with 80% attendance rate made gains in Total Reading and Language Arts scores

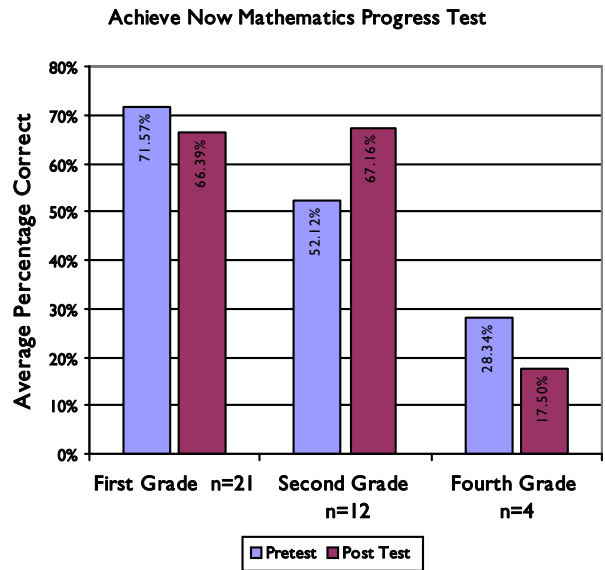
Students at Banneker Elementary school in grades one, two and four who participated in the SES program were offered a total of 60 hours of instruction using PLATO Achieve Now interactive curriculum. Students need to attend a minimum of 48 hours to demonstrate an 80% attendance rate.

When assessed with the PLATO Achieve Now Progress Test, on average students in first grade who participated in the SES program and had an 80% or better attendance rate made a significant 8.11 ($p=.007$) percentage point gain in Total Reading and Language Arts score moving from an average mean score of 55.03% on the pretest to an average mean score of 63.13% at post test. On average second-grade students made a significant 19.23 ($p=.003$) percentage point gain in Total Reading and Language Arts score moving from a mean score of 44.23% on the pretest to a mean score of 63.46% at post test. On average fourth-grade students made a 10.67 ($p=.270$) percentage point gain in Total Reading and Language Arts score moving from a mean score of 39.33% on the pretest to a mean score of 50.00% at post test.



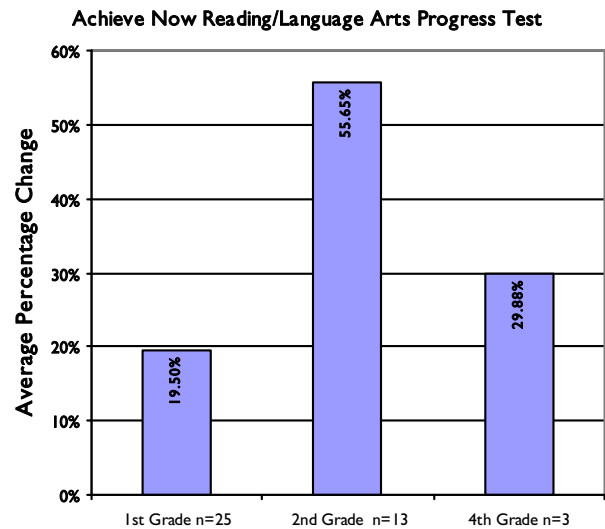
Elementary students with 80% attendance rate made gains in Total Mathematics scores

Students at Banneker Elementary school in grades one, two and four who participated in the SES program were offered a total of 60 hours of instruction using PLATO Achieve Now interactive curriculum. Students needed to attend a minimum of 48 hours to demonstrate an 80% attendance rate. When assessed with the PLATO Achieve Now Progress Test, on average students in first grade who had an 80% or higher attendance rate made a mean 5.18 ($p=.090$) percentage point decline in Total Mathematics score dropping from a mean score of 71.57% on the pretest to a mean score of 66.39% at post test. On average second-grade students made a significant 14.95 ($p=.021$) percentage point gain in Total Mathematics score moving from a mean score of 52.21% on the pretest to a mean score of 67.16% at post test. On average fourth-grade students made a 10.84 ($p=.135$) percentage point decline in Total Mathematics score dropping from a mean score of 28.34% on the pretest to a mean score of 17.50% at post test.



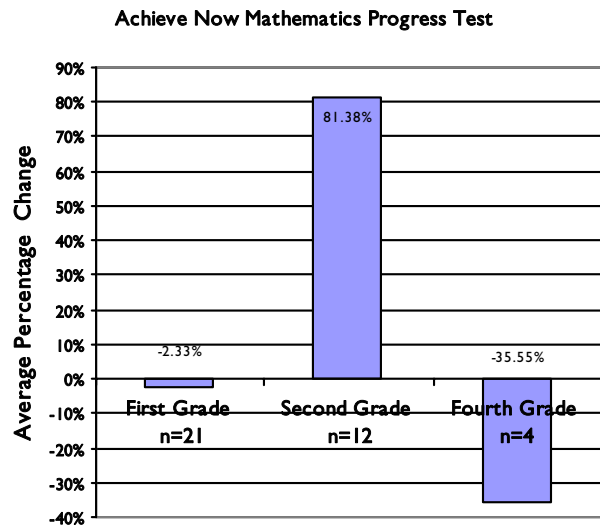
Students with 80% attendance rate made percentage gains in Total Reading and Language Art proficiency scores

Students at Banneker Elementary school in grades one, two and four who participated in the SES program who had an 80% or higher attendance rate made percentage gains in Reading and Language Arts. When assessed with the PLATO Achieve Now Progress Test, results in terms of percentage change indicated that students in first grade on average made a 19.50% increase in Total Reading and Language Arts proficiency score. On average students in second grade made a 55.65% increase in Total Reading and Language Arts proficiency score. On average fourth-grade students made a 29.88% gain in Total Reading and Language Arts proficiency score. The mean attendance times in Reading and Language Arts were 52.64 hours for first grade, 54.00 hours for second grade and 52.67 hours for fourth grade.



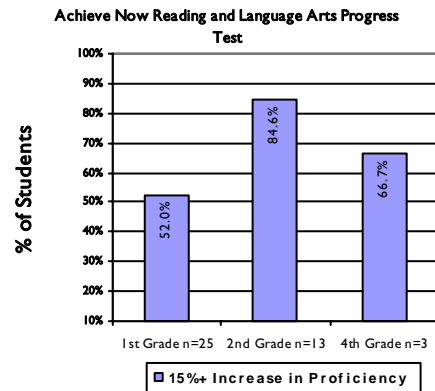
Students made percentage gains in Total Mathematics proficiency scores

Students at Banneker Elementary School in grades one, two and four who participated in the SES program were offered a total of 60 hours of instruction using PLATO Achieve Now interactive curriculum. Students needed to attend a minimum of 48 hours to demonstrate an 80% attendance rate. When assessed with the PLATO Achieve Now Progress Test, results in terms of percentage change indicated that students in first grade who demonstrated an 80% or higher attendance rate on average made a mean 2.33% decline in Total Mathematics proficiency score. On average students in second grade made a mean 81.38% increase in Mathematics proficiency score. On average fourth-grade students made a 35.55% decline in Total Mathematics proficiency score. The mean attendance times in Mathematics were 52.67 hours for first- grade, 54.50 hours for second- grade and 52.50 hours for fourth grade.



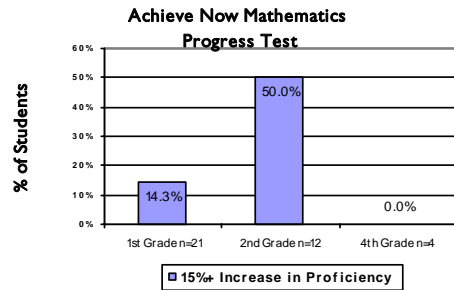
Students with 80% attendance rate make 15% gain in proficiency scores

When Banneker Elementary individual grade level pre- and post-test scores of the PLATO Achieve Now Progress Test were compared, 52.0% of the first-grade students participating in the SES Program, with an attendance rate of 80% (48+ hours) or higher made a 15% or more gain in Total Reading and Language Arts proficiency scores. Of the second-grade students with 80% or higher attendance rate, 84.6% made a 15% or more gain in Total Reading and Language Arts proficiency scores. Of the fourth-grade students with an 80% or higher attendance rate, 66.7% made a 15% or more gain in Total Reading and Language Arts proficiency scores.



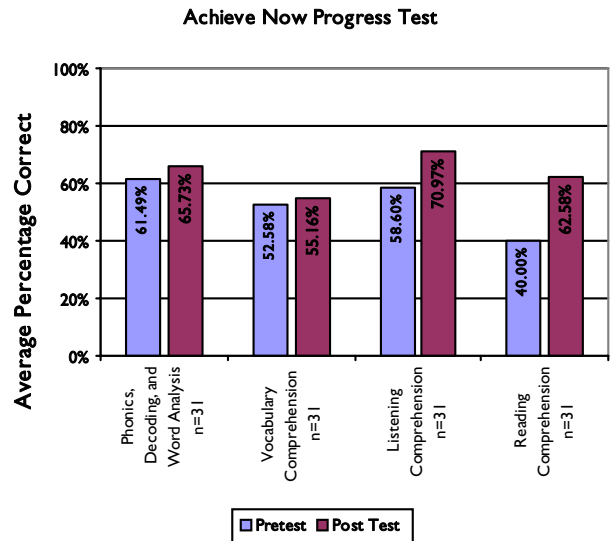
Students with 80% attendance rate make 15% gain in proficiency scores

When Banneker Elementary individual grade level pre- and post-test scores of the PLATO Achieve Now Progress Test were compared, 14.3% of the first-grade students participating in the SES program who had an attendance rate of 80% (40+ hours) or higher made a 15% or more gain in Total Mathematics proficiency scores. Of the second- grade students with 80% or higher attendance rate, 50.0% made a 15% or more gain in Total Mathematics proficiency scores. Of the fourth- grade students with an 80% or higher attendance rate, no students made a 15% or more gain in Total Mathematics proficiency scores.



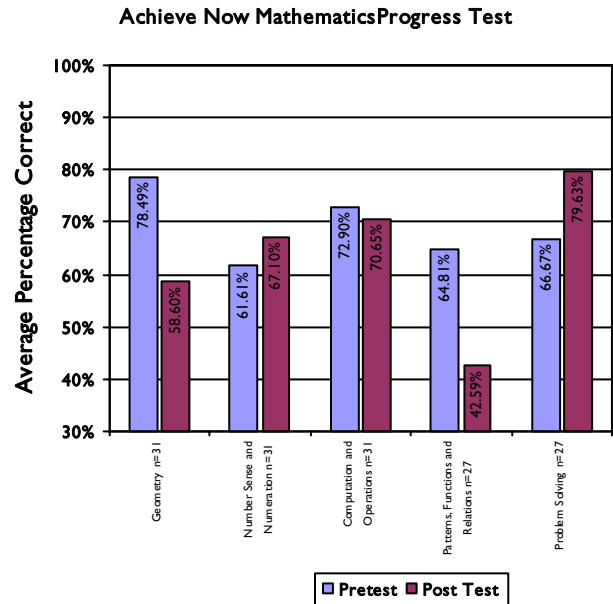
First-grade students made gains in four sub-categories in Reading and Language Arts

When pre- and post-test scores were compared, first-grade students using PLATO Achieve Now made a 4.23 (p=.157) percentage point gain in Phonics, Decoding and Word Analysis moving from a mean score of 61.49% at pretest to a mean score of 65.73% at post test. First-grade students made a percentage point gain of 2.58 (p=.541) in Vocabulary Comprehension moving from a mean score of 52.58% at pretest to a mean score of 55.16% at post test. First-grade students made a 12.37 (p=.004) percentage point gain in Listening Comprehension moving from an average mean score of 58.60% on the pretest to a mean score of 70.97% at post test. First-grade students made an 22.58 (p<.001) percentage point gain in Reading Comprehension moving from an average mean score of 40.00% at pretest to a mean score of 62.58% at post test. Results are statistically significant for Listening Comprehension and Reading Comprehension.



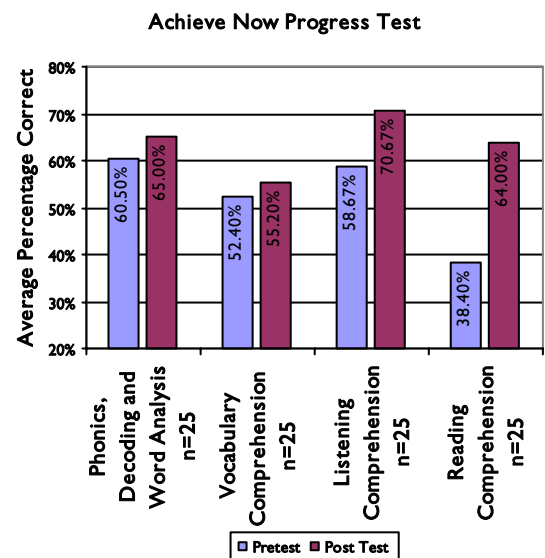
First-grade students make gains in two Mathematics sub-categories

The first-grade students participating in the SES program at Banneker Elementary made gains in two Mathematics sub-categories. These students made a 19.89 ($p < .001$) percentage point drop in Geometry dropping from a mean score of 78.49% on the pretest to a mean score of 58.60% at posttest. These first-grade students did make a 5.48 ($p = .149$) in Number Sense and Numeration moving from a mean score of 61.61% on the pretest to a mean score of 67.10% at post test. These students also made a 2.26 ($p = .580$) percentage point decline in Computation and Operations moving from a mean score of 72.90% on the pretest to a mean score of 70.65% at post test. These students made a 22.22 ($p = .003$) percentage point decline in Patterns, Functions and Relations dropping from a mean score of 64.81% on the pretest to a mean score of 42.59% at post test. These first-grade students made a 12.96 ($p = .013$) percentage point gain in Problem Solving moving from a mean score of 66.67% on the pretest to a mean score of 79.63% at post test. Results are significant for Geometry, Patterns, Functions and Relations and Problem Solving.



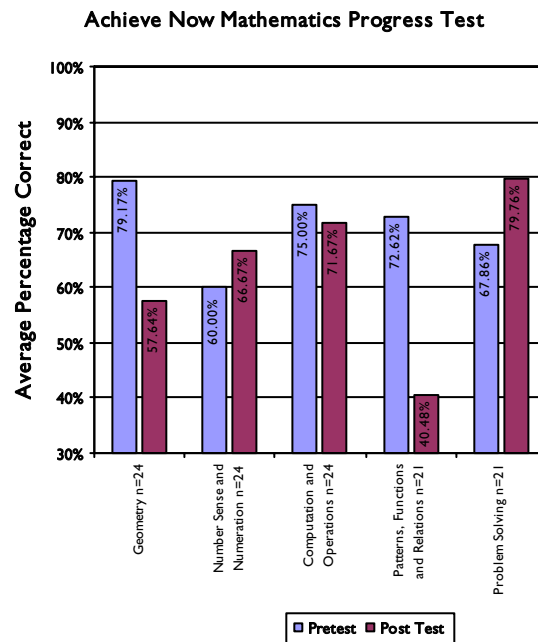
First-grade students with 80% attendance rate make gains in four Reading and Language Arts sub-categories

The Banneker Elementary first-grade students who had an attendance rate of 80% or more made gains in four Reading and Language Arts sub-categories. These students made a 4.50 ($p = .209$) percentage point gain in Phonics, Decoding and Word Analysis moving from a mean score of 60.50% on the pretest to an average mean score of 65.00% at post test. On average these students also made a 2.80 ($p = .542$) percentage point gain in Vocabulary Comprehension moving from a mean score of 52.40% on the pretest to a mean score of 55.20% at post test. On average these first-grade students made a 12.00 ($p = .013$) percentage point gain in Listening Comprehension moving from a mean score of 58.67% on the pretest to a mean score of 70.67% at post test. These students also made a 25.60 ($p < .001$) percentage point gain in Reading Comprehension moving from a mean score of 38.40% on the pretest to a mean score of 64.00% at post test. Results are statistically significant



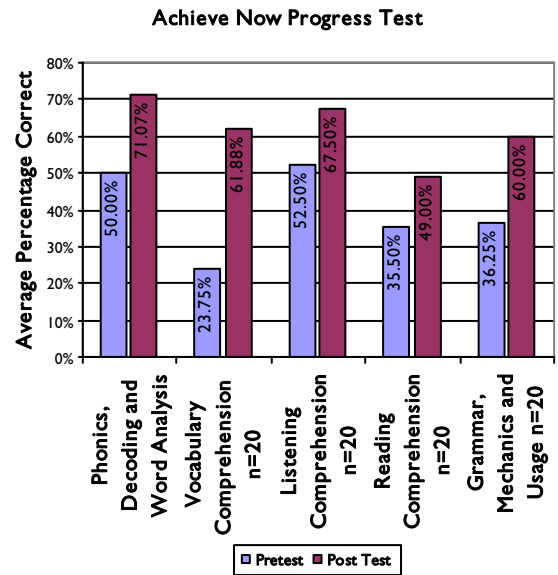
First-grade students with 80% attendance rate make gains in two Mathematics sub-categories

The first-grade students who had an attendance rates of 80% or higher made gains in two Mathematics sub-categories. On average these students made a 21.53 ($p < .001$) percentage point drop in Geometry dropping from a mean score of 79.17% on the pretest to a mean score of 57.64% at posttest. These first-grade students did make a 6.67 ($p = .122$) percentage point gain in Number Sense and Numeration moving from a mean score of 60.00% on the pretest to a mean score of 66.67% at post test. These students also made a 3.33 ($p = .449$) percentage point decline in Computation and Operations dropping from a mean score of 75.00% on the pretest to a mean score of 71.67% at post test. These students made a 32.14 ($p < .001$) percentage point drop in Patterns, Functions and Relations dropping from a mean score of 72.62% on the pretest to a mean score of 40.48% at post test. These first-grade students made an 11.90 ($p < .038$) percentage point gain in Problem Solving moving from a mean score of 67.86% on the pretest to a mean score of 79.76% at post test. Results were significant for Geometry, Patterns, Functions and Relations and Problem Solving.



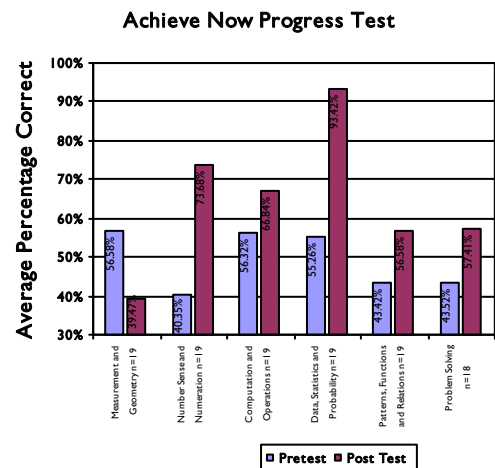
Second-grade students make gains in five Reading and Language Arts sub-categories

The second-grade students participating in the SES program at Banneker Elementary made gains in three Reading and Language Arts sub-categories. These students made a 21.07 ($p < .001$) percentage point gain in Phonics, Decoding and Word Analysis moving from a mean score of 50.00% on the pretest to a mean score of 71.07% at post test. On average these students also made a 38.13 ($p < .001$) percentage point gain in Vocabulary Comprehension moving from a mean score of 23.75% on the pretest to a mean score of 61.88% at post test. On average these second-grade students did make a 15.00 ($p = .076$) percentage point gain in Listening Comprehension moving from a mean score of 52.50% on the pretest to a mean score of 67.50% at post test. These students also made a 13.50 ($p = .090$) percentage point gain in Reading Comprehension increasing from a mean score of 35.50% on the pretest to a mean score of 49.00% at post test. These students made a 23.75 ($p = .008$) percentage point gain in Grammar, Mechanics and Usage moving from a mean score of 36.25% on the pretest to a mean score of 60.00% at post test. Results are statistically significant for Phonics, Decoding and Word Analysis, Vocabulary Comprehension and Grammar, Mechanics and Usage.



Second-grade students make gains in six Mathematics sub-categories

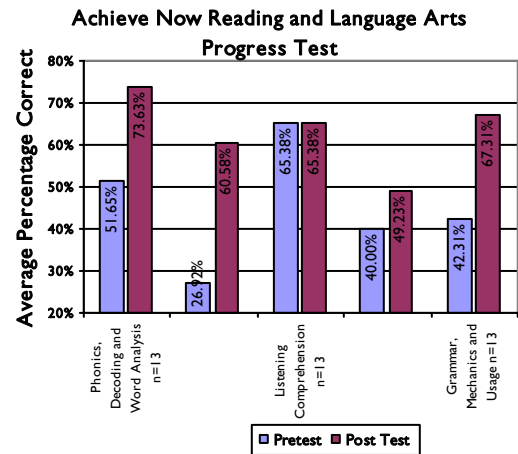
The second-grade students participating in the SES program at Banneker Elementary made gains in five Mathematics sub-categories. On average these students made a 17.11 ($p = .050$) percentage point drop in Measurement and Geometry dropping from a mean score of 56.58% on the pretest to a mean score of 39.47% at posttest. On average these second grade students did make a 33.33 ($p = .001$) percentage point gain in Number Sense and Numeration moving from a mean score of 40.35% on the pretest to a mean score of 73.68% at post test. On average these students also made a 10.53 ($p = .197$) percentage point gain in Computation and Operations moving from a mean score of 56.32% on the pretest to a mean score of 66.86% at post test. On average these second-grade students made a 38.16 ($p < .001$) percentage point gain in Data, Statistics and Probability moving from a mean score of 55.26% on the pretest to a mean score of 93.42% at post test. On average these students made a



13.16 ($p=.014$) percentage point gain in Patterns, Functions and Relations moving from a mean score of 43.42% on the pretest to a mean score of 56.58% at post test. On average these second-grade students made a 13.89 ($p=.131$) percentage point gain in Problem Solving moving from a mean score of 43.52% on the pretest to a mean score of 57.41% at post test. Results are significant for all sub-categories but Computation and Operations and Problem Solving.

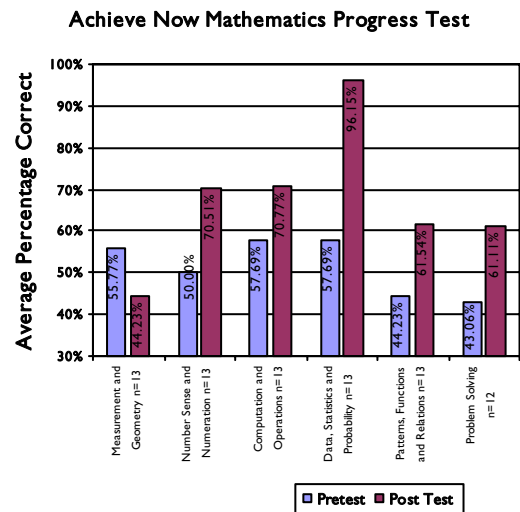
Second-grade students with 80% attendance rate make gains in five Reading and Language Arts sub-categories

When PLATO Achieve Now Pre- and Post-Test scores were compared, the second-grade students who had an 80% or higher attendance rate made gains in four Reading and Language Arts sub-categories. These students made a 21.98 ($p=.002$) percentage point gain in Phonics, Decoding and Word Analysis moving from a mean score of 51.65% on the pretest to a mean score of 73.63% at post test. On average these students also made a 33.65 ($p<.001$) percentage point gain in Vocabulary Comprehension moving from a mean score of 26.92% on the pretest to a mean score of 60.58% at post test. On average these second-grade students made no percentage point change in Listening Comprehension scoring a mean 65.38% on both pretest and post test. These students also made a 9.23 ($p=.384$) percentage point gain in Reading Comprehension moving from a mean score of 40.00% on the pretest to a mean score of 49.23% at post test. These students made a 25.00 ($p=.012$) percentage point gain in Grammar, Mechanics and Usage moving from a mean score of 42.31% on the pretest to a mean score of 67.31% at post test. Results are statistically significant for Phonics, Decoding and Word Analysis, Vocabulary Comprehension and Grammar, Mechanics and Usage.



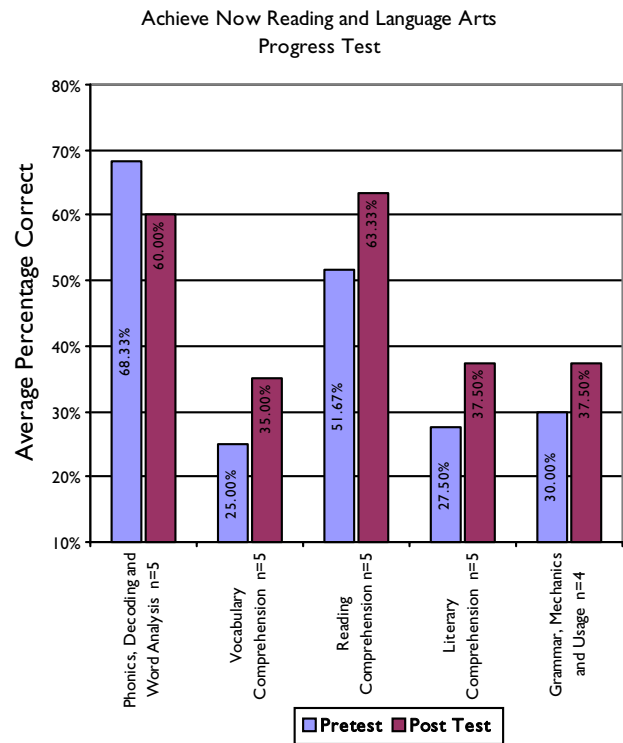
Second-grade students make gains in five Mathematics sub-categories

The second-grade students who had an attendance rates of 80% or higher made gains in five Mathematics sub-categories. On average these students made an 11.54 (p=.291) percentage point drop in Measurement and Geometry dropping from a mean score of 55.77% on the pretest to a mean score of 44.23% at post test. On average these second grade students did make a 20.51 (p=.059) percentage point gain in Number Sense and Numeration moving from a mean score of 50.00% on the pretest to a mean score of 70.51% at post test. On average these students also made a 13.08 (p=.123) percentage point gain in Computation and Operations moving from a mean score of 57.69% on the pretest to a mean score of 70.77% at post test. On average these second-grade students made a 38.46 (p<.001) percentage point gain in Data, Statistics and Probability moving from a mean score of 57.69% on the pretest to a mean score of 96.15% at post test. On average these students made a 17.31 (p=.002) percentage point gain in Patterns, Functions and Relations moving from a mean score of 44.23% on the pretest to a mean score of 61.54% at post test. On average these second-grade students made a 18.06 (p=.096) percentage point gain in Problem Solving moving from a mean score of 43.06% on the pretest to a mean score of 61.11% at post test. Results are significant for Data, Statistics and Probability and Patterns, Functions and Relations.



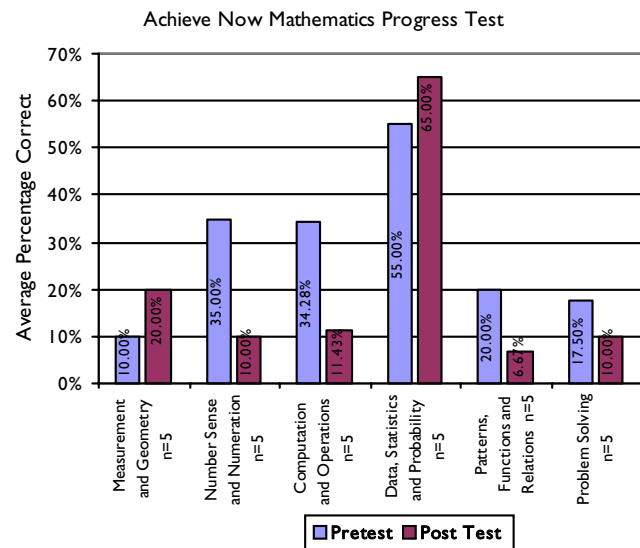
Fourth-grade students show gains in Reading and Language Arts

Fourth-grade students at Banneker Elementary School made gains in all Reading and Language Arts sub-categories of the PLATO Achieve Now Progress test when pre- and post-test scores were compared. Fourth-grade students made a 8.33 (p=.230) percentage point decline in Phonics, Decoding and Word Analysis moving from an average mean score of 68.33% on the pretest to an average mean score of 60.00% at post test. Fourth-grade students made a 10.00 (p=.405) percentage point gain in Vocabulary Comprehension moving from an average mean score of 25.00% on the pretest to an average mean score of 35.00% at post test. Fourth-grade students made an 11.67 (p=.481) percentage point gain in Reading Comprehension moving from a mean score of 51.67% on the pretest to a mean score of 63.33% at post test. Fourth-grade students made a 10.00 (p=.242) percentage point gain in Literary Comprehension moving from an average mean score of 27.50% on the pretest to an average mean score of 37.50% at post test. Students made an 7.50 (p=.608) percentage point gain in Grammar, Mechanics and Usage moving from an average mean score of 30.00% on the pretest to an average mean score of 37.50% at post test. Results are not statistically significant for any sub-category.



Fourth-grade students show gains in Mathematics

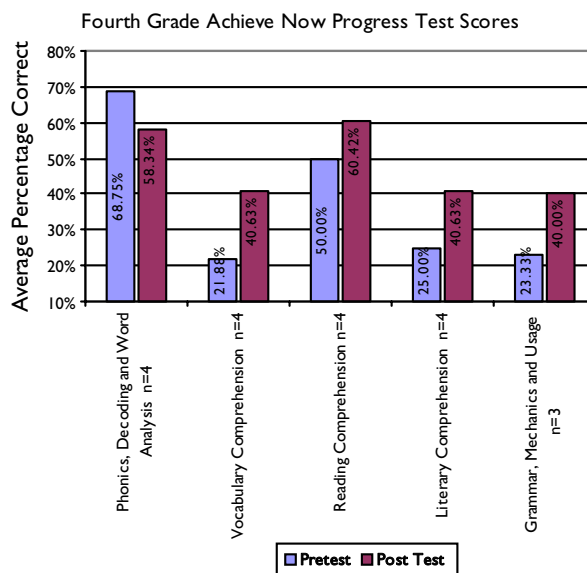
Fourth-grade students at Banneker Elementary School made gains in four Mathematics sub-categories of the PLATO Achieve Now Progress test when pre- and post-test scores were compared. Fourth-grade students made a 10.00 (p=.178) percentage point gain in Measurement and Geometry moving from an average mean score of 10.00% on the pretest to an average mean score of 20.00% at post test. Fourth-grade students made a 25.00 (p=.089) percentage point decline in Number Sense and Numeration moving from an average mean score of 35.00% on the pretest to an average mean score of 10.00% at post test. Fourth-grade students made a 22.85 (p=.227) percentage point decline in Computation and Operations moving from an average mean score of 34.28% on the pretest to an average mean score of 11.43% at post test. Fourth-grade students made a 10.00 (p=.227) percentage point decline in Data, Statistics and Probability moving from an average mean score of 55.00% on the pretest to an average mean score of 45.00% at post test. Fourth-grade students made a 13.33 (p=.001) percentage point decline in Patterns, Functions and Relations moving from an average mean score of 20.00% on the pretest to an average mean score of 6.67% at post test. Fourth-grade students made a 7.50 (p=.227) percentage point decline in Problem Solving moving from an average mean score of 17.50% on the pretest to an average mean score of 10.00% at post test.



10.00 ($p=.541$) percentage point gain in Data, Statistics and Probability, moving from an average mean score of 55.00% on the pretest to an average mean score of 65.00% at post test. Fourth-grade students made a 13.33 ($p=.178$) percentage point decline in Patterns, Functions and Relations moving from an average mean score of 20.00% on the pretest to an average mean score of 6.67% at post test. Fourth-grade students made a 7.50 ($p=.208$) percentage point decline in Problem Solving scoring a mean score of 17.50% on the pretest and to a mean score of 10.00% at post test. Results are not significant for any sub-category.

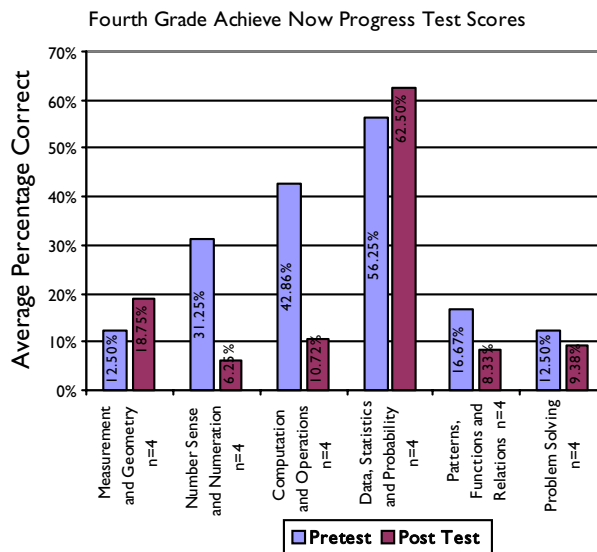
Fourth-grade students with an 80% attendance rate show gains in Reading and Language Arts

Fourth-grade students at Banneker Elementary School who had an attendance rate of 80% or higher made gains in four Reading and Language Arts sub-categories of the PLATO Achieve Now Progress test when pre- and post-test scores were compared. Fourth-grade students made a 10.41 ($p=.240$) percentage point decline in Phonics, Decoding and Word Analysis dropping from an average mean score of 68.75% on the pretest to a mean score of 58.34% at post test. Fourth-grade students made a 18.75 ($p=.103$) percentage point gain in Vocabulary Comprehension moving from an average mean score of 21.88% on the pretest to an average mean score of 40.63% at post test. Fourth-grade students made a 10.42 ($p=.628$) percentage point gain in Reading Comprehension moving from an average mean score of 50.00% on the pretest to an average mean score of 60.42% at post test. Fourth-grade students made a 15.63 ($p=.080$) percentage point gain in Literary Comprehension moving from a mean score of 25.00% on the pretest to a mean score of 40.63% at post test. Students made an 16.67 ($p=.338$) percentage point gain in Grammar, Mechanics and Usage moving from an average mean score of 23.33% on the pretest to an average mean score of 40.00% at post test. Results are not statistically significant for any sub-category.



Fourth-grade students with 80% attendance rate show gains in Mathematics

Fourth-grade students at Banneker Elementary School who had an attendance rate of 80% or higher made gains in two Mathematics sub-categories of the PLATO Achieve Now Progress test when pre- and post-test scores were compared. Fourth-grade students made a 6.25 (p=.391) percentage point gain in Measurement and Geometry moving from an average mean score of 12.50% on the pretest to an average mean score of 18.75% at post test. Fourth-grade students made a 25.00 (p=0.182) percentage point decline in Number Sense and Numeration moving from an average mean score of 31.25% on the pretest to an average mean score of 6.25% at post test. Fourth-grade students made a 32.14 (p=.153) percentage point decline in Computation and Operations moving from a mean score of 42.86% on the pretest to a mean score of 10.72% at post test. Fourth-grade students made a 6.25 (p=.761) percentage point gain in Data, Statistics and Probability, moving from a mean score of 56.25% on the pretest to a mean score of 62.50% at post test. Fourth-grade students made an 8.33 (p=.391) percentage point decline in Patterns, Functions and Relations moving from a mean score of 16.67% on the pretest to a mean score of 8.33% at post test. Fourth-grade students made a 3.13 (p=.391) percentage point decline in Problem Solving moving from a mean score of 12.50% on the pretest to a mean score of 9.38% at post test. Results are not statistically significant for any sub-category.



Banneker Elementary School

Banneker Elementary School was one of thirteen schools in the Chicago Public School District using PLATO® Achieve Now through the Supplemental Educational Services Program. Banneker Elementary School located in Chicago, Illinois is set in an urban community. The school serves students in kindergarten through grade eight with 99% receiving free or reduced lunch.

Banneker Elementary School is guided by the philosophy of a balanced approach to teaching and learning consistent with Illinois Standards. Implementation of the PLATO® Achieve Now curriculum-based program at Banneker Elementary School began in November of 2004 and funded through Title I Supplemental Educational Services. The goal of this program was to involve families in their childrens' education allowing them to choose the tutorial program that would increase student achievement in the areas of Reading, Language Arts and Mathematics and to motivate students to use the standards-based curriculum program in an after-school tutorial setting. Tutors hired by PLATO® Learning and supervised by Banneker Elementary School used PLATO® Achieve Now to augment whole group and direct instruction and to support learning center strategies.

During the implementation, the school used PLATO® Achieve Now in the after-school tutorial program with targeted students in grades one, two and four. Students attended the SES after-school program for four hours of instruction per week for a total of 60 hours and instruction and focused on instructional objectives identified on individual and group learning paths. Students worked individually or in pairs to complete specific activities on PLATO® Achieve Now CDs.

Multiple assessments used to monitor student progress throughout the program included PLATO Achieve Now Progress Tests, PLATO® Achieve Now Progress Checks, teacher observations and teacher-student activity related discussions.

Choosing PLATO® Achieve Now as the SES skill and content model ensured replicable results and offered an innovative research based curriculum to further support Banneker Elementary School's efforts to increase student achievement.



For more information, call 800.44.PLATO or visit www.plato.com

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