

Desert View Elementary School

GADSDEN INDEPENDENT SCHOOLS
ANTHONY, NEW MEXICO.

THIRD- AND FOURTH-GRADE STUDENTS MAKE GAINS IN READING, LANGUAGE ARTS AND MATHEMATICS

DESERT VIEW ELEMENTARY SCHOOL CHOSE PLATO® ACHIEVE NOW TO USE AS PART OF A SUPPLEMENTAL EDUCATIONAL SERVICES (SES) AFTER-SCHOOL PROGRAM FOR STUDENTS IN GRADES THREE AND FOUR. STUDENTS WHO PARTICIPATED IN THE SES IMPLEMENTATION MADE GAINS IN TOTAL READING AND MATHEMATICS.

WHEN PRE- AND POST-TEST SCORES OF THE PLATO® ACHIEVE NOW PROGRESS TESTS WERE COMPARED, ON AVERAGE THIRD- GRADE STUDENTS MADE A SIGNIFICANT 9 (p=.009) PERCENTAGE POINT GAIN IN TOTAL MATHEMATICS. ON AVERAGE FOURTH- GRADE STUDENTS MADE A 1 (p=.591) PERCENTAGE POINT GAIN IN TOTAL READING AND LANGUAGE ARTS AND A SIGNIFICANT 10 (p<.001) PERCENTAGE POINT GAIN IN TOTAL MATHEMATICS. IN TERMS OF ACTUAL PERCENTAGE CHANGE, THIRD-GRADE STUDENTS MADE A PROFICIENCY INCREASE OF 32% IN TOTAL MATHEMATICS AND FOURTH GRADE MADE PROFICIENCY INCREASES OF 2% IN TOTAL READING AND LANGUAGE ARTS AND 46% IN TOTAL MATHEMATICS.

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.

STUDENTS ATTENDED THE PROGRAM FOR A POSSIBLE 29 HOURS OF INSTRUCTION THROUGH THE FIFTEEN-WEEK SES IMPLEMENTATION USING PLATO® ACHIEVE NOW INTERACTIVE CURRICULUM. WHEN THE PRE- AND POST-TEST SCORES OF THE PLATO® ACHIEVE NOW PROGRESS TEST FOR STUDENTS WITH AN ATTENDANCE RATE OF 80% OR HIGHER WERE COMPARED, ON AVERAGE THIRD GRADE INCREASED 14 (p=.070) PERCENTAGE POINTS IN TOTAL MATHEMATICS. ON AVERAGE FOURTH GRADE INCREASED 2 (p=.241) PERCENTAGE POINTS IN TOTAL READING AND LANGUAGE ARTS AND A SIGNIFICANT 11 (p<.001) PERCENTAGE POINTS IN TOTAL MATHEMATICS. IN TERMS OF ACTUAL PRECENTAGE CHANGE, THIRD-GRADE STUDENTS WHO HAD AN ATTENDANCE RATE OF 80% OR HIGHER MADE A PROFICIENCY INCREASE OF 46% IN TOTAL MATHEMATICS AND FOURTH GRADE MADE PROFICIENCY INCREASES OF 4% IN TOTAL READING AND LANGUAGE ARTS AND 50% IN TOTAL MATHEMATICS.

PARTICIPATING STUDENTS USED PLATO® ACHIEVE NOW TO IMPROVE ACADEMIC PROFICIENCY IN READING, LANGUAGE ARTS AND MATHEMATICS. PROGRAM SUCCESS WAS MEASURED BY A COMPARISON OF STUDENT SCORES ON THE PLATO® ACHIEVE NOW PROGRESS TESTS. THIRD-GRADE STUDENTS DID NOT COMPLETE ALL SECTIONS OF THE PLATO® ACHIEVE NOW PROGRESS TESTS IN READING SO A MEASUREMENT FOR TOTAL READING AND LANGUAGE ARTS WAS NOT POSSIBLE.

SCHOOL PROFILE

515 STUDENTS GRADES K-6
99% Free/Reduced Lunch
93% Hispanic
5% White

PLATO® ACHIEVE NOW™ IMPLEMENTATION

Grades 3 and 4
Supplemental Educational Services Implementation
Reading/Language Arts/Mathematics Focus
After-School Tutorial Model

RESEARCH INSTRUMENTS

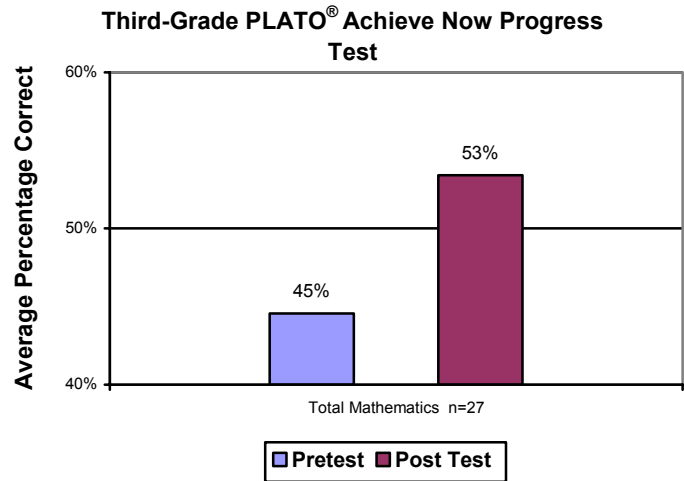
PLATO® Achieve Now Progress Test

RESEARCH TIME FRAME

2004-05 School Year

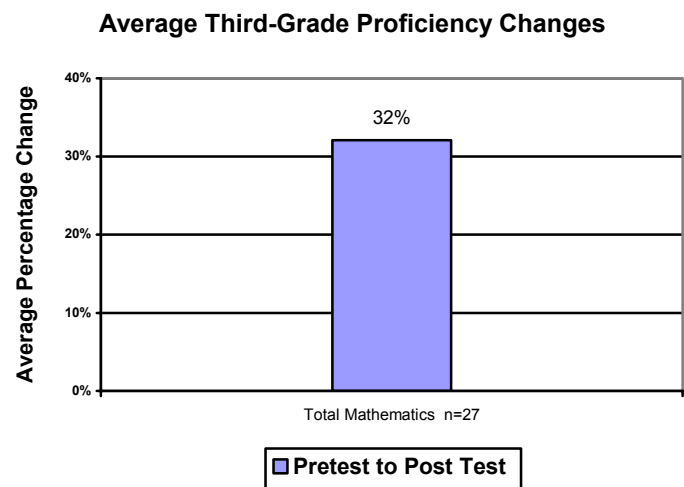
Third-grade students make gains in Total Mathematics

On the PLATO[®] Achieve Now Mathematics Progress Test, third-grade students using PLATO[®] Achieve Now in the SES implementation made a significant 9 (p=.009) percentage point gain in Total Mathematics when pre- and post-test scores were compared.



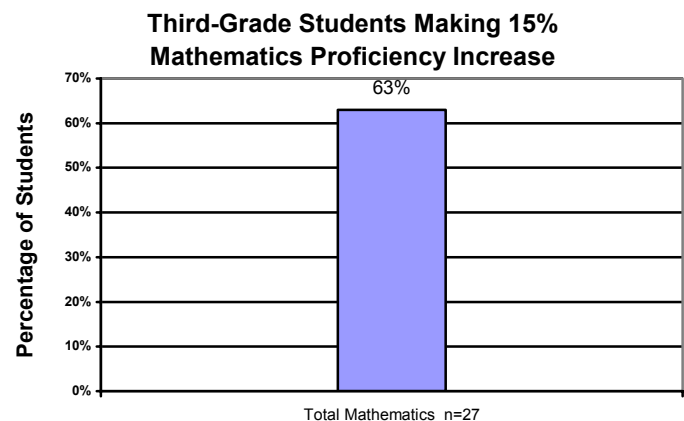
Third-grade students make Total Mathematics proficiency increase

On the PLATO[®] Achieve Now Mathematics Progress Test, third-grade students participating in the SES program at Desert View Elementary made an average proficiency increase of 32% in Total Mathematics. The average attendance for students who had both pre- and post-test scores was 22 hours.



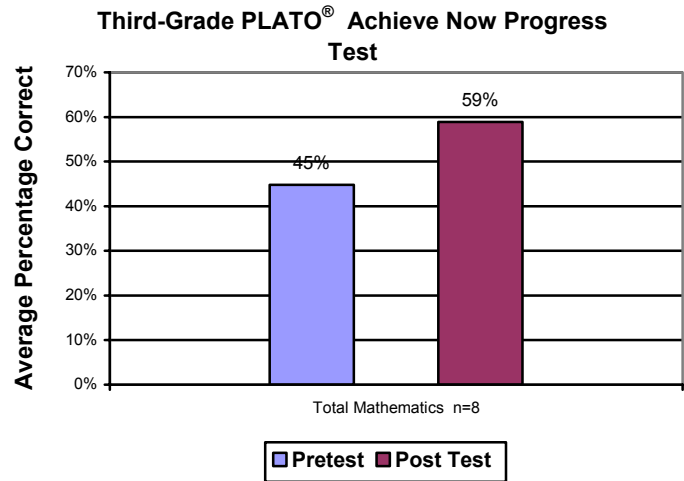
Third-grade students make 15% proficiency increase

When the pre- and post-test scores of the PLATO[®] Achieve Now Progress Test were compared, on average 63% of the third-grade students participating in the SES program at Desert View Elementary made a 15% or higher increase in Total Mathematics proficiency.



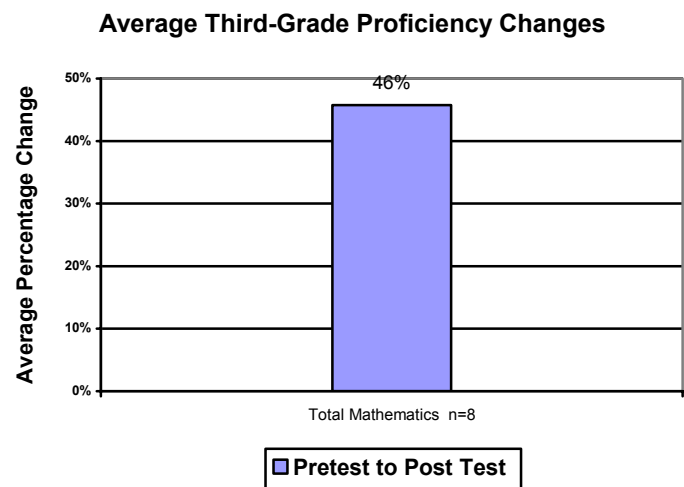
Third-grade students who had 80% attendance rate make gains in Total Mathematics

Students at Desert View Elementary were offered a total of 29 hours of instruction through the SES program using PLATO® Achieve Now. For students to have an attendance rate of 80% they had to attend a minimum of 23.2 hours. When the pre- and post-test scores of the PLATO® Achieve Now Progress Test were compared, third-grade students who had an attendance rate of 80% or higher made an average 14 (p=.070) percentage point gain. Results were not significant. The average attendance for students with an 80% or higher attendance rate was 25 hours.



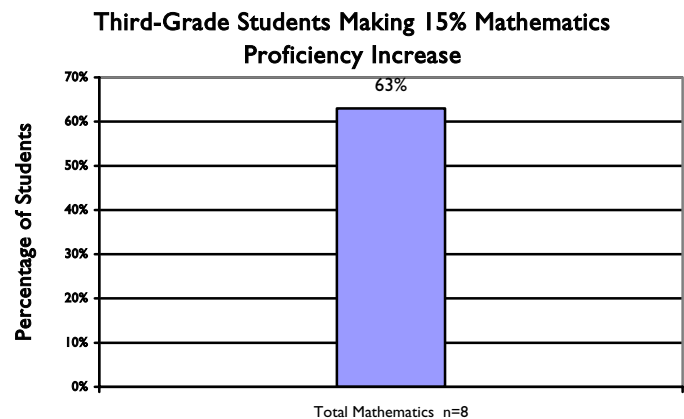
Third-grade students with 80% attendance rate make Total Mathematics proficiency increase

On the PLATO® Achieve Now Mathematics Progress Test, third-grade students participating in the SES program at Desert View Elementary who had an attendance rate of 80% or higher made an average proficiency increase of 46% in Total Mathematics. The average attendance for students with an 80% attendance rate who had both pre- and post-test scores was 25 hours.



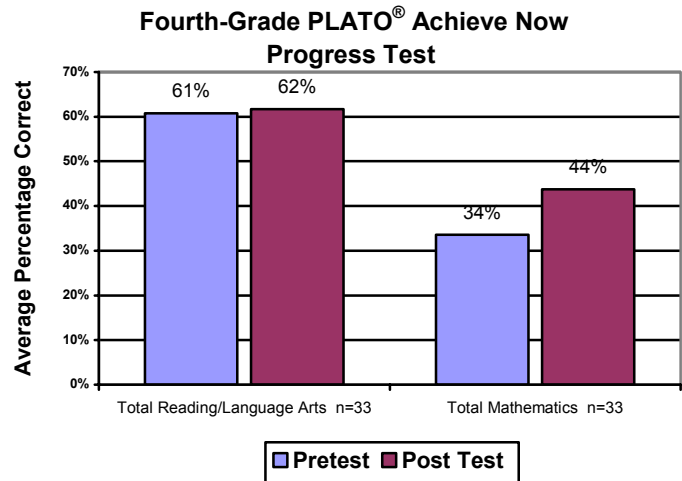
Third-grade students with 80% attendance rate make 15% proficiency increase

When the pre- and post-test scores of the PLATO® Achieve Now Progress Test were compared for third-grade students participating in the SES program at Desert View Elementary who had an 80% or higher attendance rate, on average 63% participating in the SES program at Desert View Elementary made a 15% or higher increase in Total Mathematics proficiency.



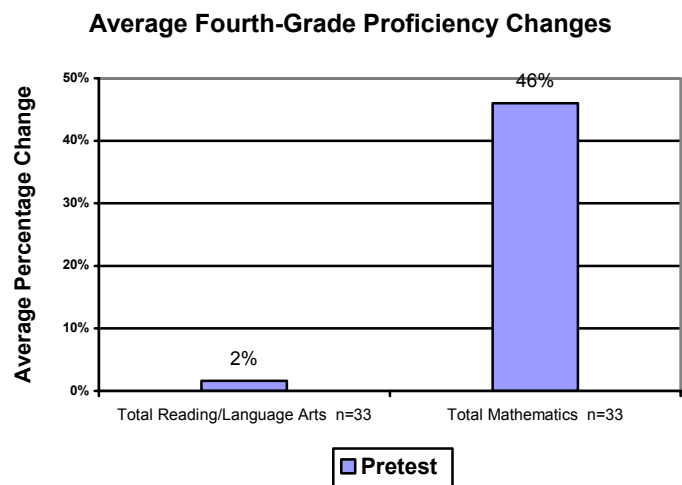
Fourth-grade students make gains in Total Reading and Total Mathematics

On the PLATO® Achieve Now Mathematics Progress Test, on average fourth-grade students using PLATO® Achieve Now in the SES implementation at Desert View Elementary made a 1 (p=.591) percentage point gain in Total Reading and Language Arts and a significant 10 (p<.001) percentage point gain in Total Mathematics when pre- and post-test scores were compared.



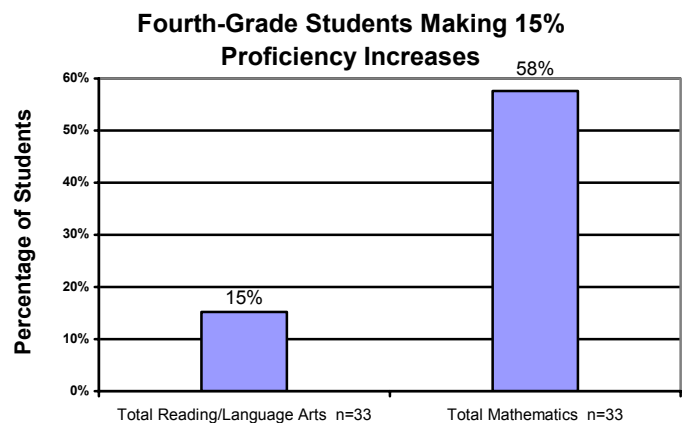
Fourth-grade students make Reading and Mathematics proficiency increases

On the PLATO® Achieve Now Mathematics Progress Test, fourth-grade students participating in the SES program at Desert View Elementary made average proficiency increases of 2% in Total Reading and Language Arts and 46% in Total Mathematics. The average attendance for students who had both pre- and post-test scores was 26 hours for both Reading and Mathematics.



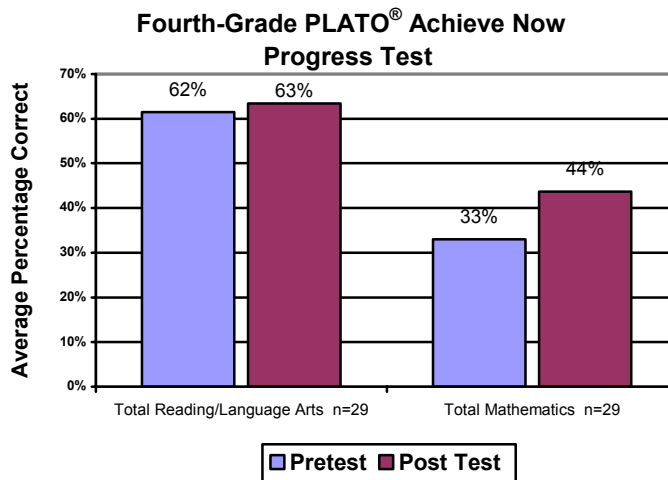
Fourth-grade students make 15% proficiency increases

When the pre- and post-test scores of the PLATO® Achieve Now Progress Test were compared, on average 15% of the fourth-grade students participating in the SES program at Desert View Elementary made a 15% or higher increase in Total Reading proficiency and 58% made a 15% or higher increase in Total Mathematics proficiency.



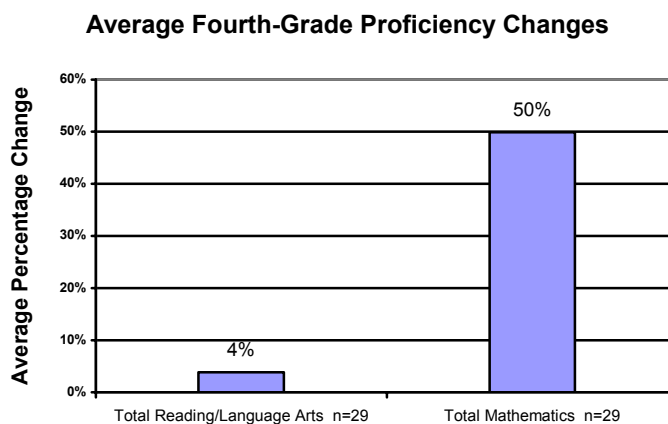
Fourth-grade students with 80% attendance rate make gains in Total Reading and Total Mathematics

Students at Desert View Elementary were offered a total of 29 hours of instruction through the SES program using PLATO® Achieve Now. For students to have an attendance rate of 80% they had to attend a minimum of 23.2 hours. When the pre- and post-test scores of the PLATO® Achieve Now Progress Test were compared, fourth-grade students who had an attendance rate of 80% or higher made average percentage point gains of 2 (p=.241) in Total Reading and Language Arts and 11 (p<.001) in Total Mathematics. The results were significant for Mathematics. The average attendance for students with an 80% or higher attendance rate was 27 hours for both Reading and Mathematics.



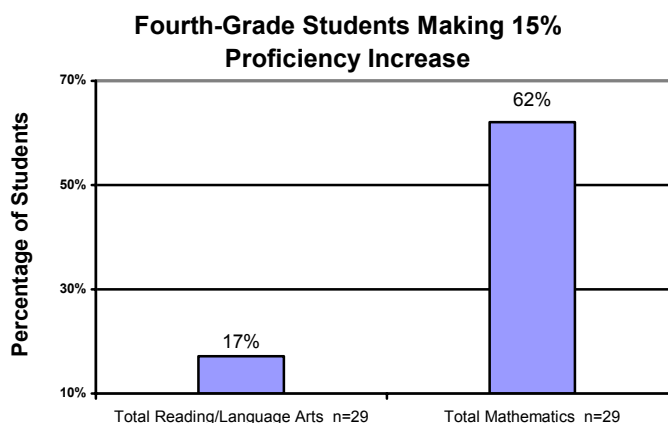
Fourth-grade students with 80% attendance rate make Reading and Mathematics proficiency increases

On the PLATO® Achieve Now Mathematics Progress Test, fourth-grade students participating in the SES program at Desert View Elementary who had an attendance rate of 80% or higher made average proficiency increases of 4% in Total Reading and Language Arts and 50% in Total Mathematics. The average attendance for students with an 80% attendance rate who had both pre- and post-test scores was 27 hours.



Fourth-grade students with 80% attendance rate make 15% proficiency increases

When the pre- and post-test scores of the PLATO® Achieve Now Progress Test were compared for fourth-grade students participating in the SES program at Desert View Elementary who had an 80% or higher attendance rate, on average 17% made a 15% or higher increase in Total Reading proficiency and 62% made a 15% or higher increase in Total Mathematics proficiency.



Desert View Elementary School

Desert View Elementary in Anthony, New Mexico serves 515 students in grades Kindergarten through sixth grade with 99% qualifying for free or reduced lunch prices. As a result of school improvement status as dictated by the New Mexico Department of Education Standards, in December of 2004 Desert View Elementary offered parents and students the choice of participating in a Supplemental Educational Services after-school program offered by a vendor outside the school system. Parents and students chose the PLATO® Achieve Now skill-and-content model.

The implementation of PLATO® Achieve Now at Desert View Elementary was funded by a Title I Supplemental Educational Services Program. The goal of this funding was to allow families to choose a tutorial program to increase their child's 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, Inc. and supervised by Desert View Elementary 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 with targeted students in grades three and four. The program ran for fifteen weeks with students attending two afternoons each week for one hour per session working individually or in small groups. Student progress was continually assessed allowing tutors the ability to tailor instruction to each student's needs.

During Professional Development sessions, the tutors were instructed on selecting appropriate activities to address each student's needs. The tutors were taught how to incorporate PLATO® Achieve Now Interactive curriculum into the SES program and to correlate the interactive curriculum with the New Mexico State Standards.

The various assessments used to monitor student progress throughout the fifteen-week period included PLATO® Achieve Now Progress Tests, PLATO® Achieve Now Progress Checks and teacher observations. A PLATO® Educational Consultant was assigned to monitor the program.

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



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

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