

Beulah Cain Brewer Elementary School

DETROIT PUBLIC SCHOOLS
DETROIT, MICHIGAN

SCHOOL PROFILE

754 STUDENTS, GRADES PRE K-5
67% Free/Reduced Lunch
99% African-American
1% Other

THIRD AND FOURTH GRADE STUDENTS WHO PARTICIPATE IN THE LIGHTSPAN ACHIEVE NOW HOME-DEPLOYMENT PROGRAM POST HIGHER READING AND MATHEMATICS SCORES THAN NON-PARTICIPATING STUDENTS

DURING THE 2002-03 SCHOOL YEAR SELECTED THIRD AND FOURTH-GRADE STUDENTS AT BEULAH CAIN BREWER ELEMENTARY SCHOOL WHO PARTICIPATED IN THE HOME DEPLOYMENT OF LIGHTSPAN ACHIEVE NOW™ POSTED HIGHER SCORES IN READING, LANGUAGE ARTS AND MATHEMATICS THAN STUDENTS WHO DID NOT PARTICIPATE IN THE LIGHTSPAN ACHIEVE NOW HOME-DEPLOYMENT PROGRAM AS MEASURED BY THE TERRA NOVA TEST.

BEULAH CAIN BREWER ELEMENTARY SCHOOL USED 31-A STATE FUNDS TO IMPLEMENT THE LIGHTSPAN ACHIEVE NOW PROGRAM AS AN INTEGRAL PART OF THEIR SCHOOL IMPROVEMENT PLAN. THIRD AND FOURTH GRADE STUDENTS ON THE 31-A LIST, USED THE LIGHTSPAN ACHIEVE NOW READING AND MATHEMATICS PROGRAM BEGINNING IN NOVEMBER 2002. THE TERRE NOVA TEST WAS ADMINISTERED TO STUDENTS TO ASSESS ACADEMIC ACHIEVEMENT.

NOTE: THIS REPORT CONTAINS BASELINE DATA TO BE USED FOR A YEAR-TWO TREND DATA STUDY.

LIGHTSPAN ACHIEVE NOW™ IMPLEMENTATION

- Classroom/Family/Homework Model
- Grades 3-4, Began November 2002
- 100% Home Deployment
- Reading and Mathematics Focus

RESEARCH INSTRUMENTS

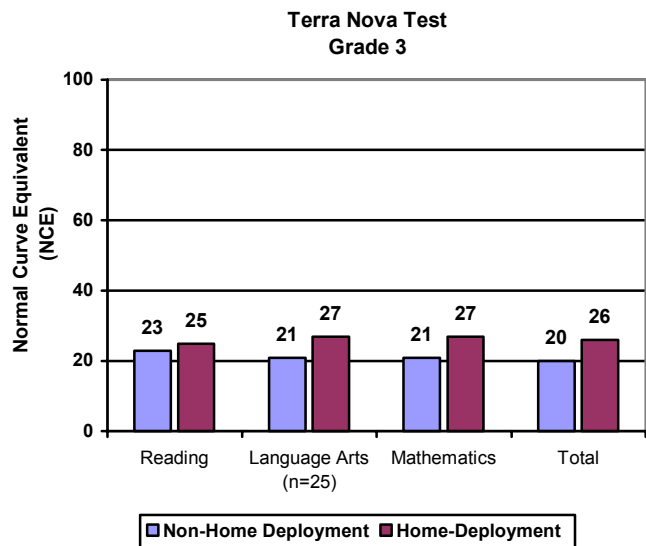
Terra Nova Test

RESEARCH TIME FRAME

2002-03 School Year

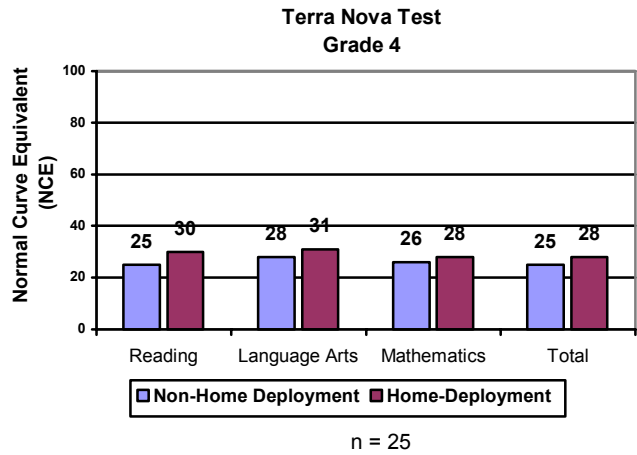
Third-grade students who participated in Home-Deployment post higher scores in Reading/Language Arts and Mathematics.

Third-grade students who participated in home deployment of Lightspan Achieve Now posted higher scores in Reading, Language Arts and Mathematics: 2 NCE points higher in Reading, 6 NCE points higher in Language Arts, 6 NCE points higher in Mathematics, and a total of 6 NCE points, higher on Total Scores than students who did not participate in Home-Deployment, as measured by the Terra Nova Test.



Fourth-grade students who participated in Home-Deployment post higher scores in Reading/Language Arts and Mathematics.

Fourth-grade students using targeted Lightspan Achieve Now CDs at home posted 5 NCE points higher in Reading, 3 NCE points higher in Language Arts, 2 NCE points higher in Mathematics, and 3 NCE points higher in an overall Total Score, as compared to students who did not use Lightspan Achieve Now at home, as measured by the Terra Nova Test.



Beulah Cain Brewer Elementary School Background

Brewer Elementary is located on the northeast side of Detroit in a working-class neighborhood where more than half its students receive free or reduced lunch and reside in single-parent homes. The mission of Brewer Elementary School is “to ensure that the needs of all students are met in order to become productive citizens by providing students with a wide range of learning opportunities in a secure, clean, and safe environment.”

The specific implementation goal was to improve vocabulary and reading comprehension skills in reading, improve problem solving, computational and data analysis skills in mathematics; have parents spend more time with their children at home working on academics; and to integrate technology into the classroom and students’ homes by using PlayStation game consoles and targeted Lightspan Achieve Now CDs.

Parents of the students using Lightspan Achieve Now attended a family orientation where they received information on the Lightspan Achieve Now program. During Professional Development sessions, the Lightspan teachers and Mrs. Andrea House, Educational Technician, learned how to align Lightspan CDs to the district curriculum, Open Court, and student needs. Mrs. House used a PlayStation game console in her classroom to conduct whole-class activities. Once the homeroom teacher taught the objective, students who participated in home-deployment used the targeted CDs for additional practice at home for two weeks, alternating Reading/Language Arts and Mathematics CDs. Lightspan Progress Checks were used as formative assessment after completing each Lightspan Achieve Now CD.

The Lightspan Achieve Now program was funded with 31-A state funds and began in November 2002. Future plans are to expand the Lightspan implementation for a second year and include additional classrooms in the fall in an effort to improve student achievement in reading and mathematics.



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