

Briggs Elementary School

BRIGGS SCHOOL DISTRICT
TAHLEQUAH, OKLAHOMA

SCHOOL PROFILE

530 STUDENTS, GRADES K-8
100% Free/Reduced Lunch
68% Native American, 29% White,
3% Hispanic
87% Limited English Proficient
Rural Location

LIGHTSPAN ACHIEVE NOW IMPLEMENTATION

Classroom/Lab/Family Homework Model
Grades 1-8, Began January 2002
Reading/Vocabulary Comprehension/
Mathematics Focus
Greater than 50% Home Deployment

RESEARCH INSTRUMENTS

Iowa Test of Basic Skills (ITBS)

RESEARCH TIME FRAME

Spring 2002

LIGHTSPAN ACHIEVE NOW™ CURRICULUM SUPPORTS LEARNING GAINS IN GRADES ONE THROUGH FIVE, SEVEN AND EIGHT IN READING, LANGUAGE ARTS, AND MATHEMATICS

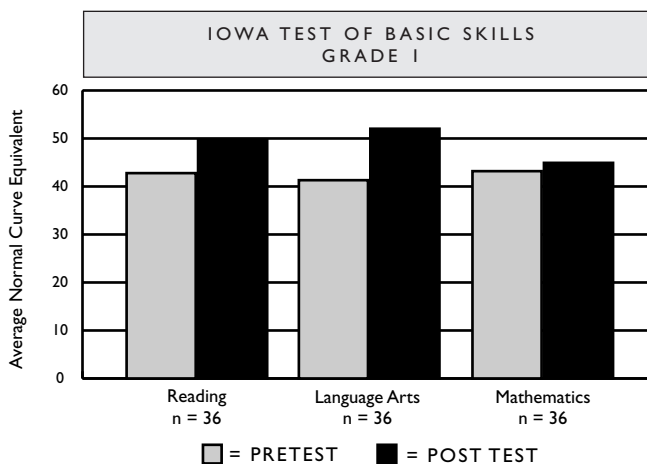
BRIGGS ELEMENTARY SCHOOL STUDENTS IN GRADES ONE THROUGH FIVE, SEVEN, AND EIGHT REALIZED GAINS IN READING, LANGUAGE ARTS, AND MATHEMATICS AS EVIDENCED BY RESULTS ON THE IOWA TEST OF BASIC SKILLS (ITBS). ON THE READING SUBTEST, STUDENTS IN GRADES ONE, TWO, FIVE, AND EIGHT POSTED GAINS OF 6.91, 11.77, 4.82, AND 0.83 NCE POINTS, RESPECTIVELY. ON THE LANGUAGE ARTS SUBTEST, STUDENTS IN GRADES ONE, TWO, FIVE, SEVEN, AND EIGHT ACHIEVED GAINS OF 10.72, 5.79, 2.49, 2.63, AND 3.86 NCE POINTS, IN THAT ORDER. ON THE MATHEMATICS SUBTEST, STUDENTS IN GRADES ONE, TWO, THREE, FIVE, AND EIGHT REALIZED GAINS OF 1.73, 12.11, 17.81, 2.18, AND 1.67 NCE POINTS, RESPECTIVELY.

DURING THE SPRING OF 2002, STUDENTS IN GRADES K-8 PARTICIPATED IN THE LIGHTSPAN ACHIEVE NOW™ PROGRAM IN THE CLASSROOM, IN THE LIGHTSPAN LAB, OR AT HOME. STUDENTS WERE TESTED BEFORE AND AFTER PROGRAM IMPLEMENTATION USING THE IOWA TEST OF BASIC SKILLS (ITBS) TO EVALUATE PROGRAM EFFECTIVENESS. THIS YEAR'S PRIORITIZED STUDENT ACHIEVEMENT GOAL WAS TO INCREASE NCE SCORES BY TWO POINTS IN READING AND MATHEMATICS AT GRADES ONE AND TWO. BRIGGS ELEMENTARY HAS A COMPREHENSIVE LONG-RANGE STUDENT ACHIEVEMENT PLAN. YEAR TWO'S GOAL FOCUSES ON GRADES 3-5; YEAR THREE'S GOALS FOCUS ON GRADES 6-8.

IN ADDITION TO FOCUSING ON STUDENT ACHIEVEMENT, BRIGGS ELEMENTARY ALSO SET A GOAL OF INCREASING PARENT INVOLVEMENT BY 100% OVER THE THREE-YEAR LIFE OF THE PROJECT. RECORDS OF ATTENDANCE AND CHECK-OUT LOGS INDICATE THAT OF THE 113 LIMITED ENGLISH PROFICIENT (LEP) STUDENTS PARTICIPATING IN THE PROGRAM, 93% (OR 105 STUDENTS) CHECKED OUT CDS.

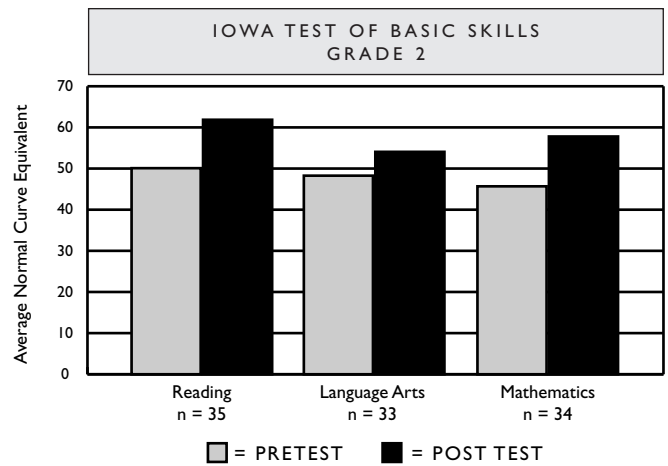
Students in first grade show strong improvement in Reading, Language Arts, and Mathematics

First-grade students from Briggs Elementary using Lightspan Achieve Now™ curriculum realized an increase of 6.91 NCE points on the Iowa Test of Basic Skills (ITBS) in Reading, raising their average pre-test score of 42.78 to an average post-test score of 49.69. In Language Arts, student scores increased by 10.72 NCE points, improving their average pre-test of 41.31 to an average post-test of 52.03. In Mathematics, students raised their scores 1.73 NCE points, from an average pre-test of 43.19 to an average post-test of 44.92.



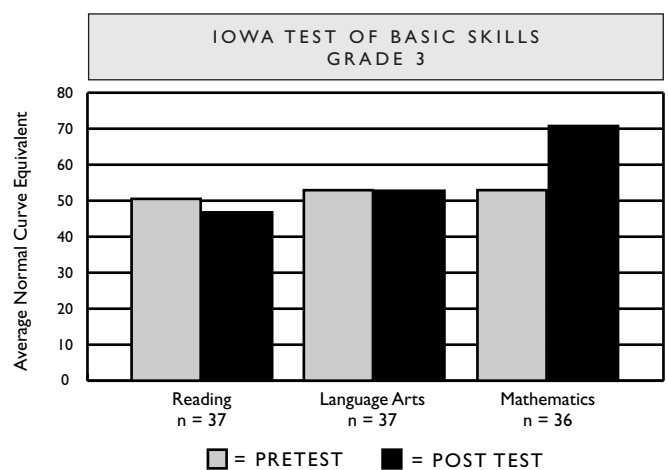
Significant improvement made in Mathematics by second-grade students

Second-grade students using Lightspan Achieve Now™ curriculum made a statistically significant ($p < .05$) improvement of 12.11 NCE points in Mathematics, raising their average pre-test score of 45.68 to an average post-test score of 57.79. A strong gain of 11.77 NCE points was shown in Reading, improving their average pre-test of 50.09 to an average post-test of 61.86. Students raised their scores in Language Arts 5.79 NCE points, from an average pre-test of 48.27 to an average post-test of 54.06.



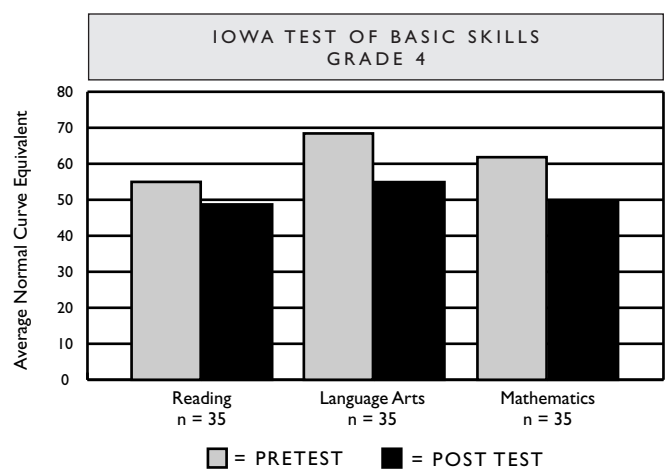
Impressive gains posted by third-grade students in Mathematics

Third-grade students from Briggs Elementary realized a strong gain of 17.81 NCE points in Mathematics, raising their average pre-test score of 52.94 to an average post-test score of 70.75. In Reading and Language Arts, students in grade 3 struggled on the ITBS with decreases of 3.75 and 0.16 NCE points, respectively.



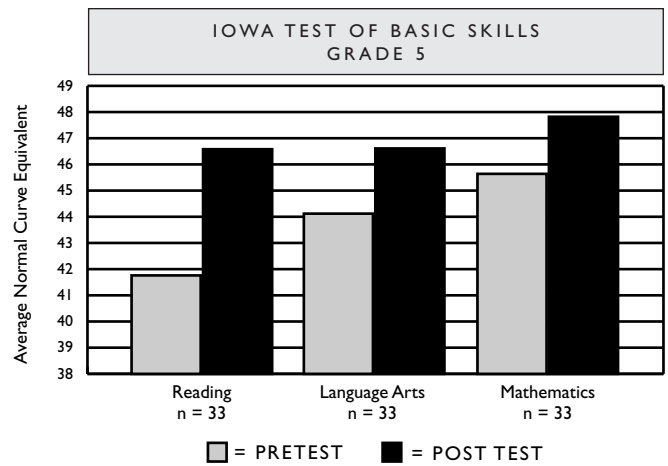
Fourth-grade students experience difficulty in Reading, Language Arts, and Mathematics

Fourth-grade students from Briggs Elementary have difficulty on the ITBS, having average decreases of 6.26, 13.52, and 12.54 NCE points in Reading, Language Arts, and Mathematics, respectively.



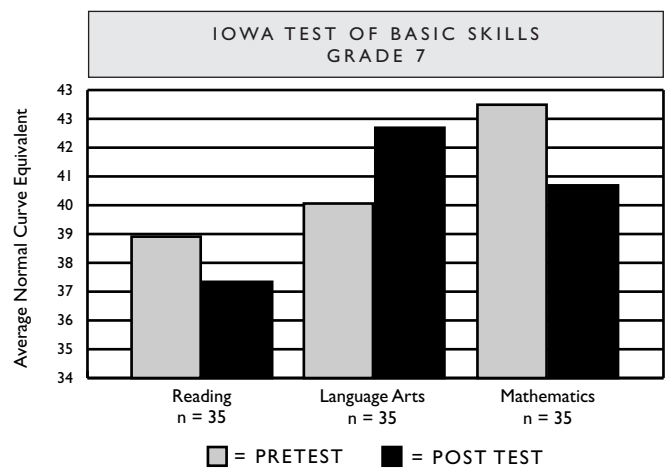
Fifth-grade students show solid gains in Reading, Language Arts, and Mathematics

Fifth-grade students increased their average score in Reading from 41.76 at pre-test to 46.58 at post-test, for a gain of 4.82 NCE points. In Language Arts, students began with an average score of 44.12 and increased to 46.61, reflecting a 2.49 NCE points gain. Students initially scored an average of 45.64 in Mathematics and increased to 47.82, for a gain of 2.18 NCE points.



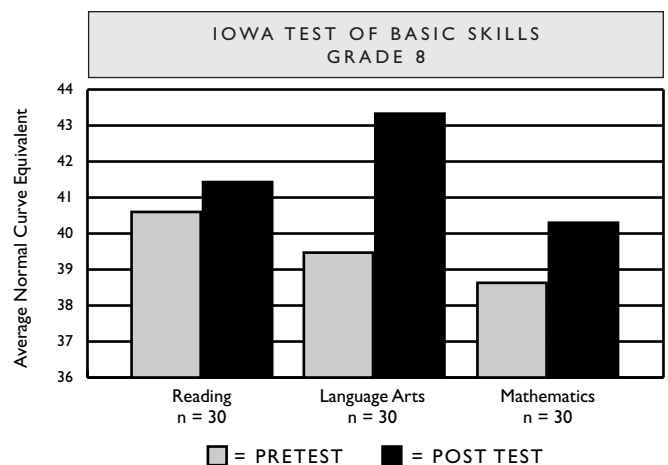
Students in grade 7 display gains in Language Arts

In Language Arts, seventh-grade students realized an increase of 2.63 NCE points, raising their average pre-test score of 40.06 to an average post-test score of 42.69. Seventh-grade students have difficulty on ITBS in Reading and Mathematics with decreases of 1.57 and 2.80 NCE points, respectively.



Strong gains noted in Language Arts for students in grade 8

On the Language Arts subtest of the ITBS, post test scores for eighth-grade students reflect a gain of 3.86 NCE points with a pretest score of 39.47 and a post test of 43.33. In Reading, students scored an average of 40.60 at pretest and 41.43 at post test, for a gain of 0.83 NCE points. Students increased from an average of 38.63 at pretest to 40.30 at post test in Mathematics, for a gain of 1.67 NCE points.



Briggs Elementary School Program Background

Briggs Elementary serves 530 students in kindergarten through eighth grade. The school goals include improving student performance for all student population in all curricular areas, as well as improving parent and family involvement to support student achievement. Funding for the Lightspan Achieve Now curriculum was provided by a Title VII Bilingual Grant. The grant requires a three-year roll-out of Lightspan, with year 1 focusing on grade K–2 students, year 2 on grade 3–5 students, and year 3 on grade 6–8 students. The goal of implementation is to increase scores on the ITBS by 2 NCE points in reading, language arts, and mathematics for students in yearly targeted grades.

Students in grades K–8 attend a 24-station Lightspan lab twice monthly during the school day. Teachers are using the Lightspan Network to identify appropriate materials for students to use in the lab. Kindergarten through fifth grade classrooms have a PlayStation and software in each of their classrooms, which teachers use for whole group introduction or as a learning center. Students in first through fifth grade are involved in home deployment. Based on last spring's ITBS scores, the program director has identified areas of specific need for each grade (1–5) and software that is aligned to those skills is deployed into the homes of the participating families. CDs are rotated weekly as part of a "Lightspan packet" which includes the CD, progress chart, and home journal.

Each year, teachers in the participating grades will receive at least 12 hours of training in the integration of Lightspan Achieve Now™ and the Lightspan Network as part of the Oklahoma mandated Priority Academic Student Skills (PASS). Professional development sessions this year have included coordinator training for program director and instructional assistant, program orientation for K–8 teachers, training on The Lightspan Network™, and several family meetings to facilitate the home/school connection.



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