

Beaver Dam Elementary School

CUMBERLAND COUNTY SCHOOL DISTRICT
FAYETTEVILLE, NORTH CAROLINA

SCHOOL PROFILE

**125 STUDENTS,
GRADES PRE-K, K-5**
41% Free/Reduced Lunch
94% White
5% African-American
1% Native-American

LIGHTSPAN ACHIEVE NOW™ IMPLEMENTATION

- Lab Implementation
- Grades 3-5
- Implementation began December 2002
- Reading and Mathematics Focus

RESEARCH INSTRUMENTS

North Carolina End-of-Grade Test

RESEARCH TIME FRAME

2002-03 School Year

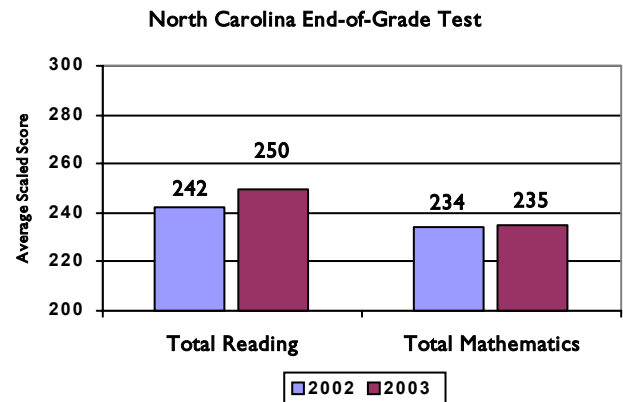
INTERMEDIATE STUDENTS DISPLAY IMPROVEMENTS IN READING AND MATHEMATICS

DURING THE 2002-03 SCHOOL YEAR, INTERMEDIATE STUDENTS AT BEAVER DAM ELEMENTARY SCHOOL DEMONSTRATED GAINS IN BOTH LANGUAGE ARTS AND MATHEMATICS. A COMPARISON OF THE 2002 AND 2003 SCORES ON THE NORTH CAROLINA END-OF-GRADE TEST REVEALED GAINS IN BOTH TOTAL READING AND MATHEMATICS.

BEAVER DAM ELEMENTARY SCHOOL ACQUIRED LIGHTSPAN ACHIEVE NOW™ WITH LOCAL MONIES. THE PROGRAM WAS IMPLEMENTED IN A CLASSROOM LAB WHERE STUDENTS RECEIVED CURRICULUM REINFORCEMENT A MINIMUM OF FOUR TIMES PER WEEK FOR 30 MINUTES. THIRD-, FOURTH-, AND FIFTH-GRADE STUDENTS WERE ASSESSED USING THE 2002 AND 2003 NORTH CAROLINA END-OF-GRADE STATE TESTS TO MEASURE ACADEMIC GROWTH AND PROGRAM EFFECTIVENESS.

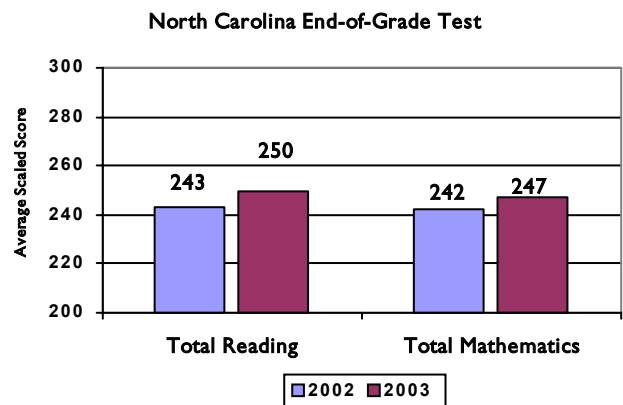
Third-grade students display Moderate gains in Reading and Mathematics

Third-grade students using Lightspan Achieve Now realized increases of 14% in Total Reading and 2% in Total Mathematics, when 2002 and 2003 scaled scores were calculated and compared from the North Carolina End-of-Grade Tests.



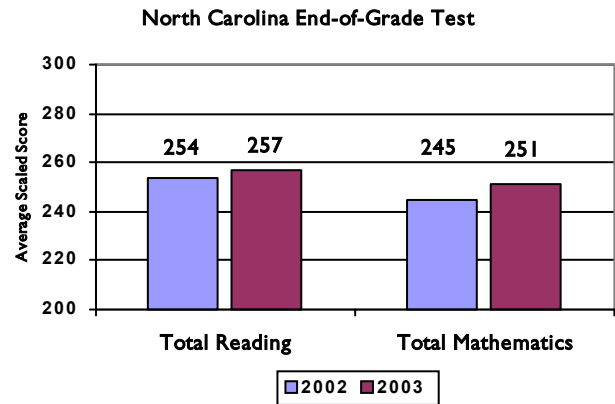
Moderate gains posted by fourth-grade students in Reading and Mathematics

Fourth-grade students using Lightspan Achieve Now realized a 13% increase in Total Reading and 8% increase in Total Mathematics, when 2002 and 2003 scaled scores were calculated and compared from the North Carolina End-of-Grade Test.



Moderate gains demonstrated in Reading and Mathematics by fifth-grade students

Fifth-grade students using Lightspan Achieve Now curriculum realized increases of 6% Total Reading and 8% in Total Mathematics, when 2002 and 2003 scaled scores were calculated and compared from the North Carolina End-of-Grade Tests.



Cumberland County School District Program Background

Cumberland County School District is located in the central region of North Carolina. It is comprised of 53 elementary schools, 18 middle schools, and 10 high schools serving approximately 51,000 students from several ethnic backgrounds, i.e., American Indian, Asian, Hispanic, African-American, Caucasian, and other ethnicities.

In September 2002, Cumberland County School District, with the use of local funds, expanded its current Lightspan Achieve Now implementation to include all elementary and middle schools. Schools initiated their implementation on an individual basis. Independent school sites personalized their implementation to meet grade level and student achievement needs by targeting 50 students.

This implementation began in September 2002. Throughout the school year, principals at participating schools attended planning meetings to develop school goals, evaluation plans, and professional development sessions for the Lightspan Achieve Now implementation. Site support and opportunities for professional development were made available to individual school personnel and included aligning the Lightspan curriculum to the North Carolina state standards.

Beaver Dam Elementary Program Background

Beaver Dam Elementary School is one of the Cumberland County sites using Lightspan Achieve Now. Located in the Sandhills of Central North Carolina, Beaver Dam Elementary serves 125 students in a rural setting. This elementary school received the North Carolina School of Distinction award during the years 2000–02.

Implementation of the Lightspan Achieve Now standards-based curriculum program in Beaver Dam Elementary School began in December 2002. This implementation was funded by local monies. The program was designed to enhance interactive learning opportunities for students through the use of motivating curriculum software aligned to the North Carolina Standards and the North Carolina End-of-Grade Test.

During the 2002-03 school year, teachers from Beaver Dam Elementary School attended professional development sessions to help them align Lightspan Achieve Now with their curriculum and the North Carolina state standards. During the sessions, lab coordinators identified Lightspan activities and materials that correlated to student needs identified by end-of-grade results. Beaver Dam teachers and administrators implemented Lightspan Achieve Now to meet their student needs and accommodate teacher schedules. Some

stations were in a lab setting and others were placed in the classrooms. Third-, fourth-, and fifth-grade students utilized Lightspan Achieve Now for reading/language arts and mathematics. Third- and fifth-grade students utilized the program 5 days per week for 30 minutes, while fourth-grade students used the Lightspan Achieve Now curriculum 4 days per week for 30 minutes. The teachers also used Lightspan eduTest Assessment™ to guide their instruction and target students' needs.

Results were measured throughout the course of the implementation by multiple assessments such as interim progress checks, district benchmarks, teacher records, and the North Carolina End-of-Grade Test.



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