

Coeburn Middle School

WISE COUNTY PUBLIC SCHOOLS
COEBURN, VIRGINIA

SCHOOL PROFILE

422 STUDENTS, GRADES 5 – 8
62% Free/Reduced Lunch
97.6% White
2.4% African-American

LIGHTSPAN ACHIEVE NOW™ IMPLEMENTATION

- Classroom/Family Homework Model
- Grade 5, Began Fall 2000
- More than 60% Home Deployment
- Reading/Language Arts/Mathematics Focus

RESEARCH INSTRUMENTS

Lightspan eduTest Assessment™

RESEARCH TIME FRAME

2002 – 03 School Year

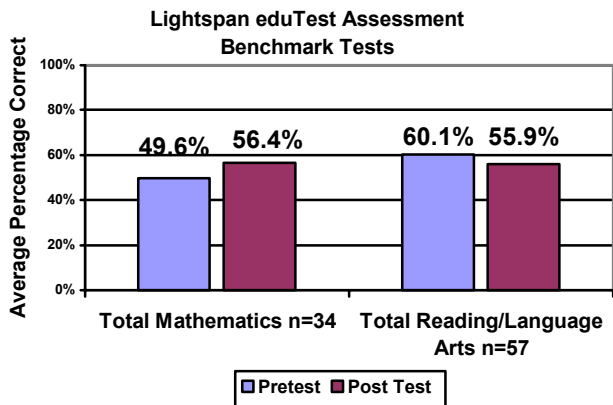
FIFTH-GRADE STUDENTS DEMONSTRATE GAINS IN MATHEMATICS

DURING THE 2002 – 03 SCHOOL YEAR, FIFTH-GRADE STUDENTS AT COEBURN MIDDLE SCHOOL DEMONSTRATED GAINS IN MATHEMATICS. A COMPARISON OF PERCENTAGE CORRECT ON THE LIGHTSPAN EDUTEST ASSESSMENT™ BENCHMARK PRE- AND POST-TEST SHOWED GAINS OF 23.6% IN GEOMETRY AND 21% IN COMPUTATION AND ESTIMATION. IN COMPARING MATHEMATICS SUMMARY PRE- AND POST-TEST SCORES ON THE LIGHTSPAN EDUTEST ASSESSMENT BENCHMARK TESTS, AN INCREASE OF 6.8% WAS REALIZED FOR THE FIFTH-GRADE STUDENTS.

LIGHTSPAN ACHIEVE NOW™ WAS FUNDED BY A VIRGINIA BUSINESS-EDUCATION PARTNERSHIP GRANT IN FALL 2000. THE PROJECT WAS DESIGNED TO INCREASE STUDENT MASTERY OF VIRGINIA STANDARDS OF LEARNING. COEBURN MIDDLE SCHOOL STUDENTS IN FIFTH GRADE USED LIGHTSPAN ACHIEVE NOW IN SCHOOL AND AT HOME DURING THE SCHOOL YEAR. THE LIGHTSPAN EDUTEST ASSESSMENT BENCHMARKS WERE ADMINISTERED TO FIFTH-GRADE STUDENTS IN FALL 2002 AND SPRING 2003. FAMILIES COMPLETED QUESTIONNAIRES TO EVALUATE THE IMPACT OF LIGHTSPAN ACHIEVE NOW ON STUDENT MOTIVATION AND LEARNING.

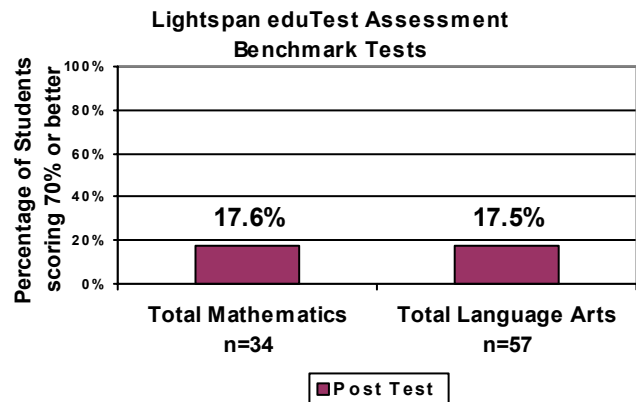
Gains posted by fifth-grade students in Mathematics

Fifth-grade students using Lightspan Achieve Now curriculum realized an increase of 6.8% in the Mathematics Summary scores, when pre- and post-test averages were compared on the Lightspan eduTest Assessment Benchmark tests. The average for the Language Arts Summary scores for fifth-grade students decreased 4.2% on the benchmark tests.



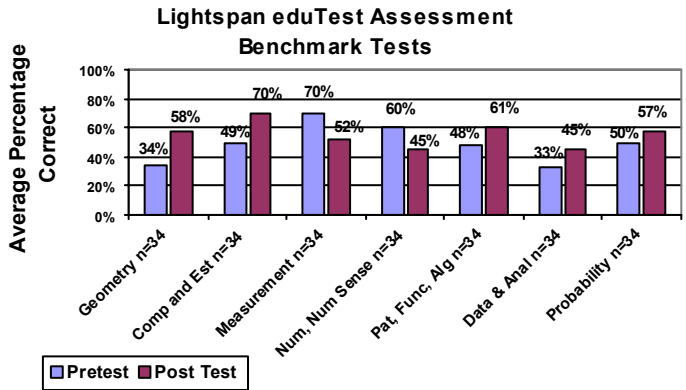
17.6% of fifth-grade students meet Mathematics goal

17.6% of fifth-grade students using Lightspan Achieve Now curriculum scored 70% or better, in Total Mathematics and a 17.5% scored 70% or better in Total Language Arts on the Lightspan eduTest Assessment Benchmark tests in Spring 2003.



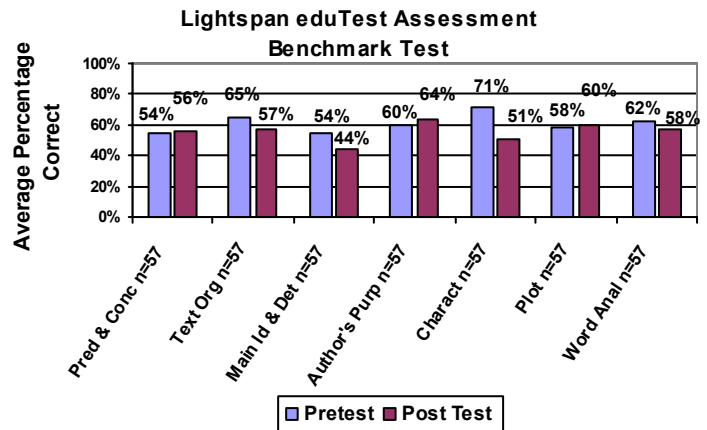
Fifth-grade students realize gain of 23% Geometry and 21% in Computation and Estimation

Fifth-grade students using Lightspan Achieve Now curriculum realized a gain of 24% in Geometry; 21% in Computation and Estimation; 13% in Patterns, Functions and Algebra; 12% in Data Display and Analysis; and 7% in Probability when pre- and post-test averages were compared for the Lightspan eduTest Assessment Mathematics Benchmark tests.



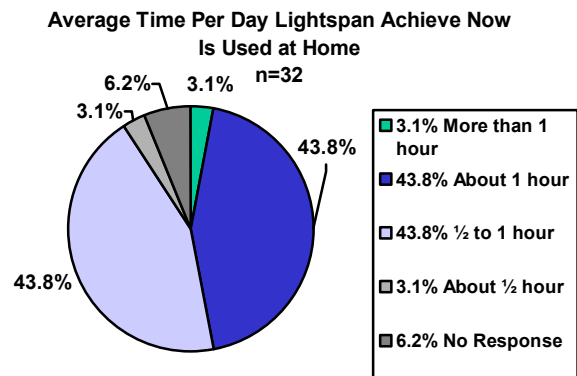
Fifth-grade students' scores inconsistent in Language Arts

Average scores on the Lightspan eduTest Assessment Language Arts Benchmark tests for fifth-grade students using Lightspan Achieve Now curriculum showed mixed results. When pre- and post-test averages were compared, the students realized an increase of 2% in Predictions, Inferences, and Conclusions; 4% in Author's Purpose, Style and Genre; and 2% in Plot and Sequence. Skill areas with declining scores included text organization, main idea and details, characterization, and word analysis.



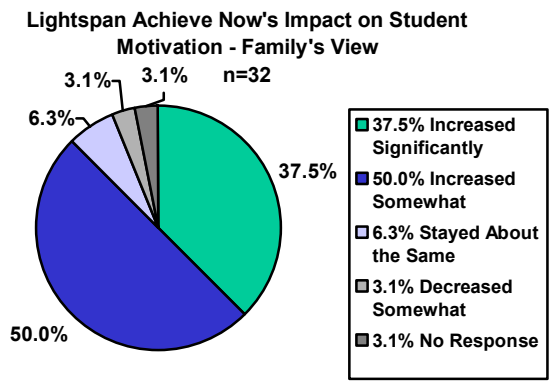
Lightspan Achieve Now extends learning day

A total of 93.8% of families reported that on average their children dedicated at least one-half hour per day towards using Lightspan Achieve Now.



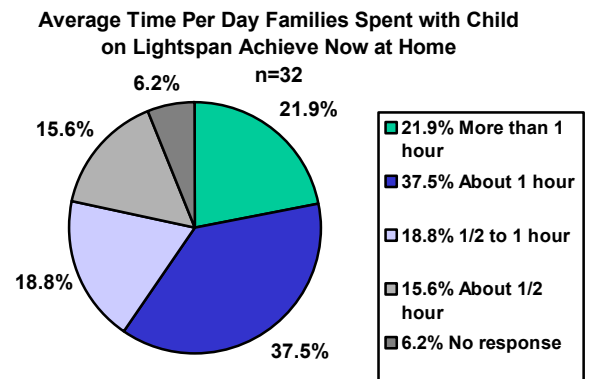
Families note increased student motivation

At home, families witnessed an improvement in their children's attitude about school and learning. On the Lightspan survey conducted at the end of the school year, 87.5% of families felt their children's interest and motivation toward school increased after working with Lightspan Achieve Now.



Families report spending time with their child on Lightspan Achieve Now at home

A total of 93.8% of families reported spending on average at least one-half hour per day working with their child on Lightspan Achieve Now.



Coeburn Middle School Program Background

Coeburn Middle School is located in rural southwest Virginia in the heart of the Appalachian Mountains and serves 422 students in grades 5 - 8. The school is one of two schools in Wise County utilizing the Lightspan Achieve Now curriculum.

Coeburn Middle School's mission is "to afford every student an equal and fair opportunity for an education that fosters a desire for life-long learning. The collaborative efforts of parents, community, students, and staff will enable the intellectual growth and the development of physically and emotionally healthy, responsible citizens who will be adaptable, productive members of a global society." Implementation of the Lightspan Achieve Now standards-based curriculum program in Coeburn Middle School began in Fall 2000, funded by a Virginia Business-Education Partnership Grant. The goal of this project is to increase student mastery of the Virginia Standards of Learning by extending quality learning time through the development of positive relationships between the school, the home, and local businesses.

During the 2002 – 03 school year, fifth-grade teachers at Coeburn Middle School attended a professional development session to align the Lightspan Adventure® CD's to the school's curriculum. The teachers were able to align Lightspan learning activities and materials appropriate to their teaching objectives. Teachers also participated in program orientation and classroom integration activities during the school year. Throughout the school year, the Lightspan Achieve Now curriculum was used for direct instruction and reinforcement of skills. Targeted students worked with Lightspan Achieve Now in reading, language arts, and mathematics at school and at home.

eduTest Assessment. Teachers were able to create and assign tests aligned to the Virginia Standards of Learning and view reports of the disaggregated data. Coeburn Middle School's goal for usage of Lightspan eduTest Assessment was 5000 tests taken by students; the actual usage was 3362 tests. School Network Coordinators participated in professional development for The Lightspan Network[®] with the charge of sharing the information with all the teachers in the school.

Family Involvement Workshops were held during the school year, including an orientation in the fall and a culminating celebration in the spring. Families and their children were involved in activities centered on the Lightspan Adventures[®], including student demonstrations of Lightspan activities. Approximately 60% of participating families attended the Fall orientation held in mid-October, while one family, representing less than 2% of the participating students, attended the Spring celebration at the end of May. Teachers reported that they had been collecting the equipment during the week prior to the Spring Family Involvement Workshop, and this was the first culminating Family Involvement event in several years.

Expanded use of Lightspan Achieve Now for the 2003-04 school year may include utilizing the materials for the school's after-school remediation program. Through Lightspan, access to technology has been made available in an equitable manner for all fifth-grade students. Furthermore, the Lightspan program involves families in their children's education, links families to the school, and motivates student learning inside and outside the classroom.



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