

Deery Eakin Primary School

BEDFORD COUNTY DISTRICT
SHELBYVILLE, TENNESSEE.

SCHOOL PROFILE

483 K-3 Students

51% Free/Reduced Lunch
69% White
21% Black
6% Hispanic
4% Asian

LIGHTSPAN ACHIEVE NOW™ IMPLEMENTATION

- Lightspan Achieve Now Lab Model
- Lightspan Achieve Now, The Lightspan Network and Lightspan Reading Center
- Title I Grades 1-3, Began September 2002
- Reading focus

RESEARCH INSTRUMENTS

Tennessee Comprehensive Assessment Program
Lightspan Progress Test

RESEARCH TIME FRAME

2002-2003 School Year

STUDENTS USING LIGHTSPAN™ PRODUCTS REVEAL STRONG GAINS IN TOTAL READING ON THE LIGHTSPAN PROGRESS TEST

DURING THE 2002-2003 SCHOOL-YEAR, STUDENTS AT DEERY EAKIN PRIMARY SCHOOL DEMONSTRATED STATISTICALLY SIGNIFICANT GAINS IN TOTAL READING, AS MEASURED BY THE LIGHTSPAN PROGRESS TEST, AN ASSESSMENT DIRECTLY CORRELATED TO THE LIGHTSPAN ACHIEVE NOW CURRICULUM. FIRST-, SECOND-, AND THIRD-GRADE STUDENTS REALIZED AVERAGE TOTAL PERCENTAGE CORRECT GAINS OF 23.32% ($p < .001$), 14.04% ($p < .001$), AND 12.75% ($p < .001$), RESPECTIVELY.

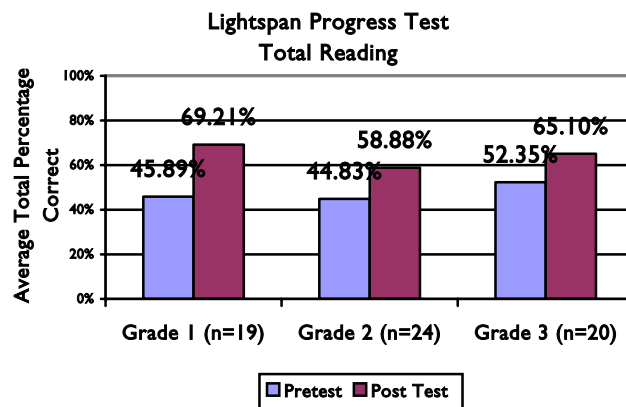
TOTAL READING RESULTS FROM THE TENNESSEE COMPREHENSIVE ASSESSMENT PROGRAM (TCAP) WERE MIXED. SPECIFICALLY, FIRST-GRADE STUDENTS POSTED AN AVERAGE NORMAL CURVE EQUIVALENT (NCE) POINT GAIN OF 19.10 ($p = .001$), WHILE SECOND- AND THIRD-GRADE STUDENTS POSTED AVERAGE NCE POINT LOSSES OF 10.29 ($p = .015$) AND -6.00 ($p = .070$), RESPECTIVELY.

DEERY EAKIN PRIMARY SCHOOL RECEIVED FUNDING FROM TITLE I AND GOALS 2000 GRANT MONIES AND CHOSE TO IMPLEMENT LIGHTSPAN ACHIEVE NOW™, THE LIGHTSPAN NETWORK®, AND LIGHTSPAN READING CENTER™ TO SUPPORT TARGETED STUDENTS IN THE FOCUSED AREA OF READING. IN A LAB, PARTICIPATING STUDENTS WORKED WITH LIGHTSPAN PRODUCTS IN WEEKLY 45-55 MINUTE SESSIONS OVER A COURSE OF NINE MONTHS.

TO EVALUATE STUDENT ACHIEVEMENT GAINS AND PROGRAM EFFECTIVENESS, THE TCAP AND LIGHTSPAN PROGRESS TESTS WERE ADMINISTERED TO STUDENTS BEFORE AND AFTER THE LIGHTSPAN ACHIEVE NOW IMPLEMENTATION. REPORTED IN THIS STUDY IS THE ACHIEVEMENT GROWTH OF PARTICIPATING STUDENTS WHO TOOK BOTH PRE- AND POST-TESTS OF EACH ASSESSMENT.

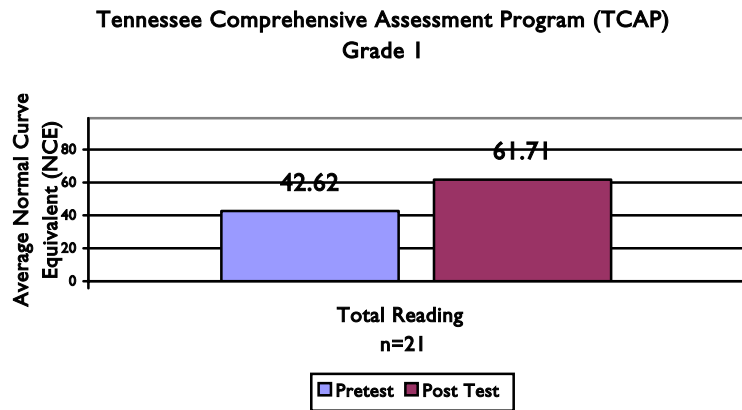
Participating Lightspan students posted significant gains in Total Reading on the Lightspan Progress Test

First-, second-, and third-grade Lightspan students took the Reading portion of the Lightspan Progress Test. Pre- and post- test averages showed statistically significant gains of 23.32% ($p < .01$), 14.04% ($p < .01$), and 12.75% ($p < .01$), respectively.



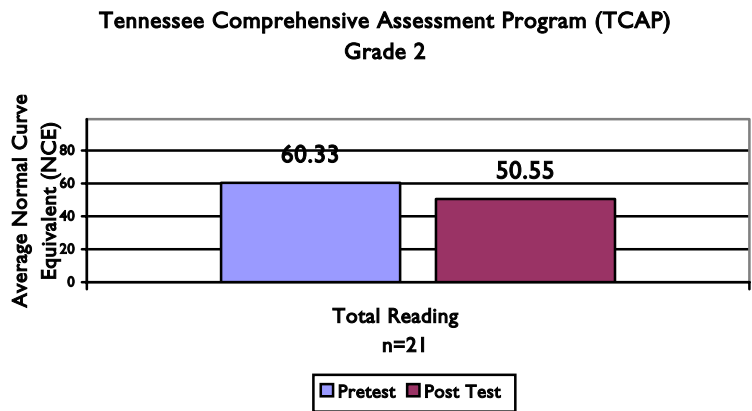
First-grade students realized significant growth in Total Reading on the TCAP

On the Tennessee Comprehensive Assessment Program, first-grade students using Lightspan products realized a statistically significant gain of 19.10 ($p < .01$) NCE points in Total Reading, when pre- and post-test averages were compared.



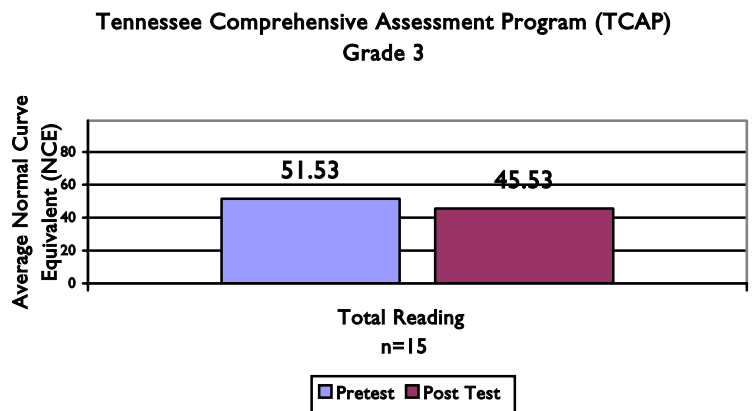
Second-grade students posted negative growth in Total Reading on the TCAP

On the Tennessee Comprehensive Assessment Program, second-grade students using Lightspan products realized a statistically significant loss of 10.29 ($p < .05$) NCE points in Total Reading, when pre- and post-test averages were compared.



Third-grade students demonstrated negative growth in Total Reading on the TCAP

On the Tennessee Comprehensive Assessment Program, third-grade students using Lightspan products realized a loss of 6.00 NCE points in Total Reading, when pre- and post-test averages were compared. However, the loss was not statistically significant.



Deery Eakin Primary School Program Background

Deery Eakin Primary School is a Title I school that is located in Bedford County, Tennessee. It is one of six schools in the district that use Lightspan as part of the Title I curriculum. Deery Eakin Primary School serves 483 students in grades K-3. The student population is comprised of 69% Caucasians, 21% African Americans, 6% Hispanics, and 4% Asians. Of the 483 students, 51% participate in the school's free/reduced lunch program.

Implementation of Lightspan Achieve Now, The Lightspan Network, and Lightspan Reading Center in Deery Eakin Primary School began in September of 2002, using Title I funds and a Goals 2000 grant. Students in grades 1 through 3 were identified to participate in the implementation according to guidelines in the Federal Title I Grant. The nine-month lab program was designed to increase student achievement in the area of Reading.

During the implementation of the program, the teachers at Deery Eakin Primary School received on-going professional development sessions on the use and implementation of the Lightspan products. Teachers were provided with continuous support, materials, and modeling demonstrations throughout the school year.

Teachers used the results of the Lightspan Progress Tests and Lightspan Reading Center assessments to target student needs and to align instruction to the Lightspan activities. Moreover, the participating teachers created individual student assessment portfolios to help monitor and adjust instructional needs. These portfolios also allowed the teachers to use The Lightspan Network to align learning objectives to the Lightspan Adventures® and other extended instructional tools.

Parent Orientation was held for the families of participating third-grade students. During the orientation, families were encouraged to interact with their child during home use of Lightspan Achieve Now. Moreover, families were demonstrated strategies to support their child's learning needs while working together with Lightspan at home.

At the lab, teachers and assistants provided weekly individual and group instruction to participating Lightspan students. The students used Lightspan for 45 to 55 minutes during each session. Additionally, fifteen under-performing third-grade students were identified to participate in home deployment of Lightspan Achieve Now.

To evaluate academic growth and program effectiveness, participating Lightspan students were assessed before and after the implementation using Lightspan Progress Tests. Additionally, the participating students' previous 2002 TCAP scores were collected to compare with their 2003 TCAP scores. |



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