

EXECUTIVE SUMMARY

Topic: Elementary Summer School Program

Short Summary:

Literacy

Due to leadership transitions this summer, the literacy data was inconsistent. Therefore, we are reporting only data that is consistent between sites. This data is based on a pre/post assessment.

Kindergarten – Lettering Naming

62 of 77 (80%) students showed growth

First Grade – Letter Naming

70 of 87 (80%) students showed growth

Second Grade – Within Words

55 of 91 (60%) students showed growth

Third Grade – Within Words

70 of 93 (75%) students showed growth

Fourth Grade – Within Words

26 of 58 (45%) students showed growth

Fifth Grade – Within Words

26 of 47 (55%) students showed growth

Mathematics

The results show significant growth in all grade levels. Overall, there was a 6.27-point increase from pre-test to post-test within 20 days. Bale Elementary was closed for three days due to a power outage. Due to the outage attendance dropped the last week of summer school.

Background:

The Little Rock summer school is a supplementary program to prevent any summer learning loss or summer slide. Students' specific academic needs were addressed through explicit phonemic awareness, phonics and reading comprehension instruction.

2019 LRSD Elementary Summer Math was designed to provide additional instruction in mathematics to students Kindergarten through Grade 5 who performed below grade level in the most recent assessment and/or otherwise identified (through observation, work sample, etc.) as a student working below grade level.

The goal of the 2019 LRSD Summer Math is to develop and strengthen students' understanding of numbers on a conceptual level using Marilyn Burns' "Do The Math" program grades 1st through 5th along with Number Talks/Number Work, Problem Solving, Engineering Design Tasks, and appropriate tasks for Kindergarten students utilizing Engage NY modules.

Summer Math Structure

Student Population Served: LRSD K-5 students who performed below grade level

Length: June 3, 2018 – June 28, 2018 (20 days of student contact days)

Hours: 12:00 – 2:30 pm M-F

(Teachers received professional development two times a week for 45 minutes - 2:30-3:15 pm)

Total Students enrolled: 1,110 (K-5th)

Students who attended one or more days: 712 students (K-5th)

Evaluation:

Literacy

Teachers administered pre and post assessments. To assess students' decoding skills (the ability to read words), the Core Phonics Screener was administered. The Developmental Spelling Assessment was administered to assess students encoding skills (the ability to write words). The concentration was on the science of reading with a heavy emphasis of tightening the bottom half of Scarborough's Rope (Word Recognition – Phonological Awareness, Decoding/Encoding and Sight Word Recognition). The following is a data analysis summary for each school site.

Mathematics

Students were placed in the different "Do The Math" modules based on their grade level. Each module consists of a "Beginning Module Assessment" (Pre-test) and an "End of Module Assessment" (Post-test). 1st through 5th grade, teachers administered the pre-tests to students corresponding with their assigned module on the first day of attendance. They then recorded and analyzed the results during their professional development session to inform instruction.

During the program, there was a periodic formative assessment after each 4 lessons that helped teachers identify next steps and greatest needs in 1st through 5th grade. Kindergarten classes were formatively assessed daily to drive instruction. At the end of the program, students completed the "End of Module Assessment" and teachers recorded, analyzed, and compared results.

Each school site's Math Instructional Facilitator recorded the results in an Excel document.

Key Points:

There were **712** students who attended the 2019 LRSD Summer School at some during the 20 days in grades K - 5.

There were **396** (55%) students in grades 1 - 5 who completed a valid Pre- and Post-Test and attended the program at least for 15 days in mathematics

Students read and completed both pre- and post-assessments individually in a whole group setting 1st- 5th grade. Teachers read the questions to 1st grade students and then the students completed the task individually. Teachers did not adlib or assist students to assure validity.

There were 20 to 28 short response items on the assessments. Although pre-and post-assessments assessed the same concepts and skills, questions were not identical.

For each item, the student received a score of one, if the answer was correct, or zero, if the answer was incorrect or missing.

For 2020 Summer School, will we ensure that there are more consistent data points and

practices that are common between all sites and supports our district plan in both literacy and mathematics.

Key Players:

Dr. Sadie Mitchell, LRSD Deputy Superintendent for Elementary Schools
Linda Young, Director of the Summer Math Program
Mildred Butler, Math Coordinator
Felicia Hayes, Math Facilitator, Bale Elementary
Linda Lance, Math Facilitator, King Elementary
LaDonna Oates, Math Facilitator, Otter Creek Elementary

Pamela Criss, Literacy Facilitator

Fiscal Impact

The cost for the summer Math and Literacy program for 2019 was \$425,564.00

Date submitted 08/15/19

Submitted by Darian Smith