



National Training Network

Methodology Research

Miami-Dade Public Schools

Florida

2006–2007

Algebraic Thinking Results for Miami-Dade Public Schools 2006 – 2007

Implementation: Miami-Dade County Public Schools began working with National Training Network to implement the Algebraic Thinking curriculum within 18 schools during the summer of 2006. All 12 of the superintendent's zone schools were included in this study.

Training: Training took place prior to implementation (during the summer of 2006).

Support: On site coaching visits took place on average two days per school per month as follow up support.

Placement/Course Eligibility: Students who performed below grade level based on the previous year's FCAT scores were enrolled in Algebraic Thinking.



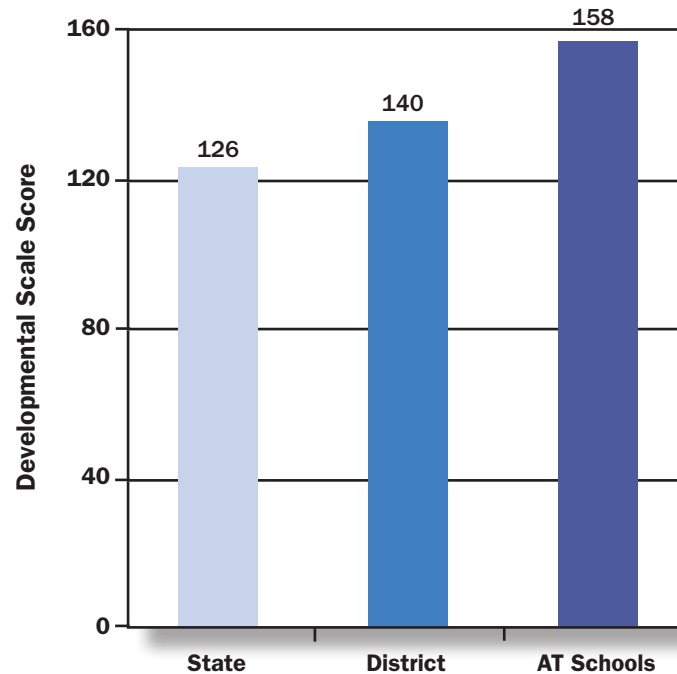
National Training Network

www.NTNMath.com

1.800.686.1001

Miami-Dade County Public Schools

Average Growth on 7th Grade Florida FCAT
2006 – 2007



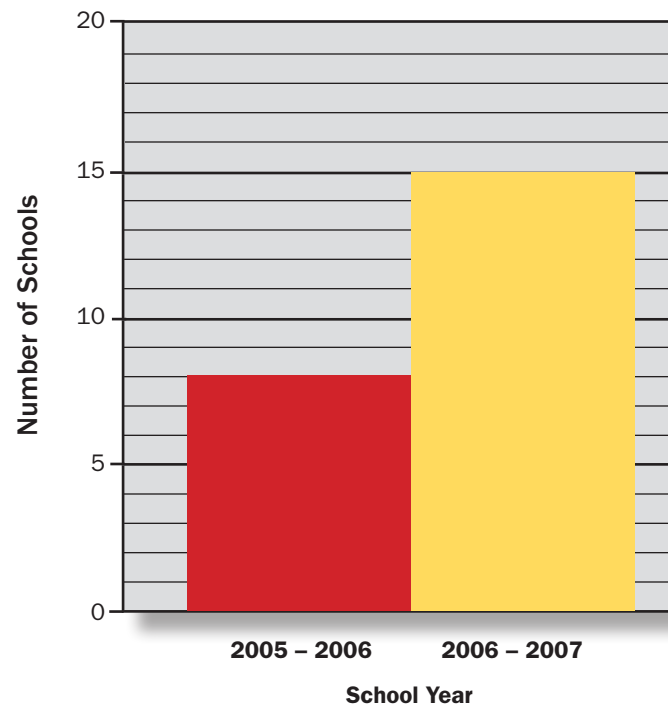
The graph illustrates the performance of 7th graders on the 2006-2007 Florida FCAT exams. The Developmental Scale Scores for 7th graders ranged from **126** (Florida State average) to **140** (Miami-Dade District average) to **158** (for the 18 Miami-Dade schools which implemented Algebraic Thinking). The Algebraic Thinking Miami-Dade sites outperformed the state and district average scores by **18 points**. The Algebraic Thinking-Miami-Dade campuses scored **25.4% higher than the State Developmental Scale Score average** and **11.3% higher than the Miami-Dade District Developmental Scale Score average**.

Note: When the eighteen Miami-Dade Algebraic-Thinking schools were compared as if they were a separate LEA (Local Educational Agency), they outperformed all but five Florida districts (two of which had the same growth as the Algebraic-Thinking Miami-Dade sites & none of the others having more than 500 students.)



Miami-Dade County Public Schools Schools that Performed in the Top 40

Growth in Developmental Scale Scores in Grade 7



The graph illustrates that in the school year 2005-2006, prior to implementation of Algebraic Thinking, eight of the eighteen (8 of 18) schools performed in the top forty (40) MDCPS in terms of growth in Developmental Scale Scores at seventh grade. In 2006-2007 (the year of implementation of Algebraic Thinking at the 18 sites), fifteen of the eighteen (15 of 18) performed in the top forty (40) for MDCPS in terms of growth in Developmental Scale Score at seventh grade.

- Before Algebraic Thinking implementation (8 of 18 within the top 40) – **44.4%**.
- After Algebraic Thinking implementation (15 of 18 within the top 40) – **83.3%**

