



National Training Network

Methodology Research

Federal Way Public Schools
Washington
2007–2010

Algebraic Thinking Results for Federal Way Public Schools 2007 – 2010

Implementation: Federal Way Public Schools began working with National Training Network to implement the Algebraic Thinking curriculum in grades 6 and 7 in the summer of 2007 and grade 8 in the summer of 2008.

Training: Teachers were trained prior to the start of the school year and follow up trainings were offered each subsequent summer through 2010 for new and returning teachers to Algebraic Thinking.

Support: National Training Network provided onsite coaching at each of the middle schools in Federal Way on an average of two days per month per school.

Placement/Course Eligibility: Students were placed in Algebraic Thinking based on the previous year's WASL scores. Each school determined the cut off score for placement in Algebraic Thinking for students who scored proficient, however all students who scored below grade level were recommended to be placed in Algebraic Thinking, including special education students.



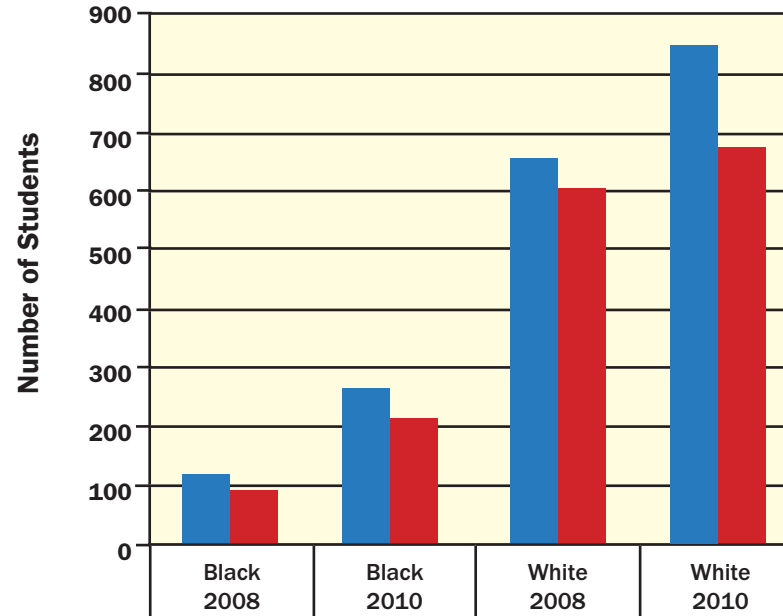
National Training Network

www.NTNMath.com

1.800.686.1001

Algebraic Thinking Results for Federal Way Public Schools 2007 – 2010

Number of Students – Algebra I in Federal Way Public Schools, WA



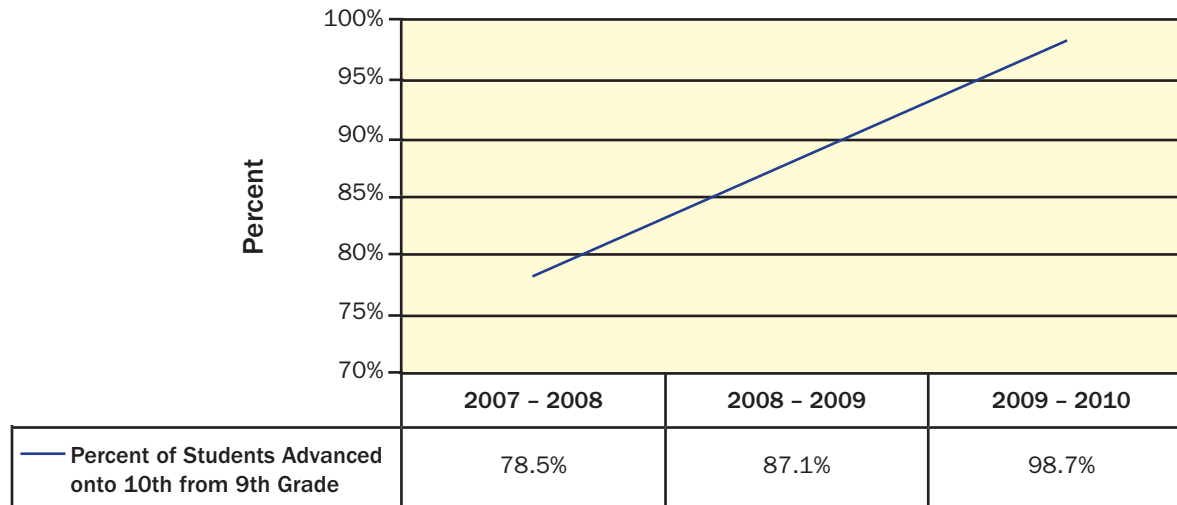
■ Number of Students	121	279	653	846
■ Number of Students Passing	97	209	601	685

The graph above illustrates the achievement gap between black and white students decreasing. In 2008, black students represented 15.6% of the Algebra 1 population with a 12% lower pass rate than whites. In 2010, black students represented 25% of the Algebra 1 population with a 6% lower pass rate than whites. Algebraic Thinking (AT) contributed to a **62%** increase in the relative percent of black students taking Algebra 1 and a **50%** decrease in the gap between the black and white pass rate.



Algebraic Thinking Results for Federal Way Public Schools 2007 – 2010

Percent of Students Advanced onto 10th Grade from 9th Grade



The graph above illustrates the percent of students who advanced on in Federal Way Public Schools from ninth to tenth grade the following year. In 2007, Federal Way had 2,224 ninth grade students and **78.5%** of those students advanced onto the tenth grade. In 2008, they had 2,101 ninth grade students and **87.1%** of those students advanced onto the tenth grade. In 2009, they had 1,776 ninth grade students and **98.7%** of those students advanced onto the tenth grade.

