



National Training Network

## **Methodology Research**

Clark County Public Schools

Nevada

2006–2009

## Algebraic Thinking Results for Clark County Public Schools 2006 – 2009

**Implementation:** National Training Network provided on site coaching visits two days each month throughout the school year, 2006 – 2007.

Since initial implementation began, Algebraic Thinking has continued to expand each year to include additional schools as follows:

- 2006-2007 2 middle schools (both Title I schools)
- 2007-2008 3 middle schools (2 original Title I school & one non-Title I school)
- 2008-2009 9 middle schools (includes 7 Title I schools & two non-Title I schools)

**Training:** For the 2006 – 2007 school year, training for Foundations and Part I was delivered in a two day workshop prior to the school year with three follow-up training sessions held throughout the school year (Orr and Woodbury teachers only). For the 2007 – 2008 school year, training for Foundations, Part I, and Part II was delivered in a two day workshop prior to the school year with three follow-up training sessions held throughout the school year (Orr, Woodbury (grades 6 – 7 only) and Bridger teachers only). For the 2008 – 2009 school year, training for Foundations, Part I, and Part II, (with implementation occurring in 9 sites) was delivered in a three day workshop prior to the school year with two follow-up training sessions held through the school year, and one make-up training session held during the school year. For the 2009 – 2010 school year, training in Part II was held throughout the year during Professional Development Days.

**Support:** For the 2006 – 2007 school year, National Training Network provided onsite coaches one day per school per month; during the 2007 – 2008 school year, National Training Network provided onsite coaches two days per school per month; during the 2008 – 2009 school year, National Training Network provided onsite coaches two days per school per month; during the 2009 – 2010 school year, National Training Network provided onsite coaches four days per month per school; during the 2010 – 2011 school year, National Training Network provided onsite coaches 16 days per month for five schools (three schools had four visits per month, two schools had visits twice per month).

**Placement/Course Eligibility:** “In Clark Co. the targeted students in 06 – 07 and 07 – 08 are those that are not at a proficient level on the state test.”



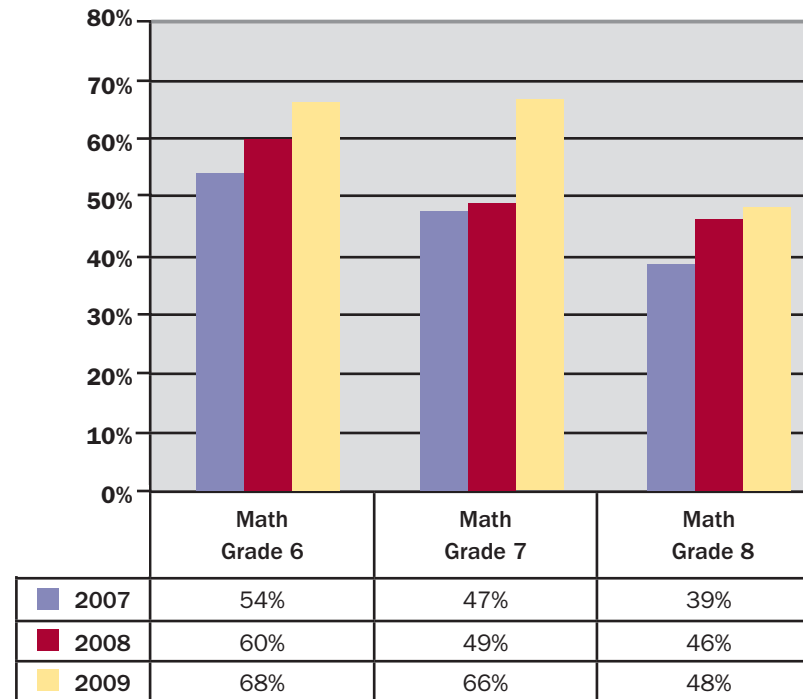
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1.800.686.1001

## Bridger Middle School, Clark County, NV

Progress at Bridger (Percentage of Students Meeting Proficiency)



Bridger Middle School used Algebraic Thinking for the 2007 – 2008 and 2008 – 2009 school years. This chart illustrates the growth of students meeting proficiency over those three years at each of the grade levels. Bridger Middle School made AYP (Adequate Yearly Progress under NCLB) both years they used Algebraic Thinking. They had approximately 50% of their student population enrolled in Algebraic Thinking. At 6th grade, the scores increased from 54% to 68% on grade level (a percent of change increase of 26%); at 7th grade, the scores increased from 47% to 55% on grade level (a percent of change increase of 40%); at 8th grade, the scores increased from 39% to 48% on grade level (a percent of change increase of 23%) over the two year period the students were enrolled in Algebraic Thinking.



## AYP Data, Clark County Schools, NV

	N – Size	Current Year AYP Data 08–09	Previous Year AYP Data 07–08	Growth Analysis*
<b>JD Smith Middle School</b>	899	47.61%	46.12%	<b>2.76%</b>
<b>Robison Middle School</b>	879	39.70%	37.11%	<b>4.13%</b>
<b>Fremont Middle School</b>	767	49.80%	39.26%	<b>17.35%</b>
<b>Cashman Middle School</b>	1,018	63.18%	57.59%	<b>13.15%</b>
<b>Bridger Middle School**</b>	1,165	63.95%	54.71%	<b>20.40%</b>
<b>Orr Middle School**</b>	755	56.42%	47.21%	<b>17.45%</b>
<b>Van Tobel Middle School</b>	928	41.92%	33.27%	<b>12.96%</b>

The chart above indicates the growth for each school from 2007 – 2008 as compared to 2008 – 2009. The 08 – 09 school year was the first year of implementation for: JD Smith, Robison, Fremont, Cashman, and Von Tobel

\*\*Bridger and Orr AYP data reflect Algebraic Thinking implementation for two (2007 – 2008 and 2008 – 2009) school years.

\*The data shown in the chart is from the Nevada Department of Public Instruction.



## Clark County Schools, NV

Algebraic Thinking School	—— MS 2005 – 2006 AYP Results – Prior to Algebraic Thinking			—— MS 2006 – 2007 AYP Results – With Algebraic Thinking		
	Math Participation	Math Achievement		Math Participation	Math Achievement	
Population		Math Status	Math Safe Harbor		Math Status	Math Safe Harbor
School	Yes	No	No	Yes	Yes	—
American Indian/Alaskan Native	Yes	***	***	Yes	***	***
Asian/Pacific Islander	Yes	***	***	Yes	Yes	—
Hispanic/Latino	Yes	No	No	Yes	Yes	—
Black/African American	Yes	***	***	Yes	Yes	—
White Caucasian	Yes	Yes	—	Yes	Yes	—
IEP	Yes	No	No	Yes	No	Yes
LEP	Yes	No	Yes	Yes	No	Yes
FRL	Yes	No	No	Yes	Yes	—
	Did not make Adequate Yearly Progress			NA denotes Sample Size=0; Participation Rate Analysis Not Applicable		
	WARNING: Status Level Below Baseline			***Denotes Sample Size <25; Status and Safe Harbor Evaluations Not Applicable		
	Sample Size Too Small to Evaluate			* Denotes Safe Harbor Not Made Due to Other Indicator		
	Criteria Met Through Appeal			— Denotes Safe Harbor Evaluation Not Necessary, Group Met Status Goal		

Note that in 2006 – 2007 after Algebraic Thinking was implemented, AYP results showed that all subgroups with the exception of IEP (Exceptional Children) and LEP (Limited English Proficiency) made Adequate Yearly Progress after one year of instruction using the Algebraic Thinking curriculum. The IEP (Exceptional Children) and LEP (Limited English Proficiency) subgroups are the two most challenging to show growth; however, the other subgroups show AYP in the span of one year.

