Third Grade Language Arts

Figure 1 displays Language Arts proficiency rates for cohorts of students who were in 3rd grade from years 2004 to 2008. The 2004 cohort was identified as a control group because the K-3 reading program began in 2005. The students in each cohort afterwards have all been exposed to at least one year of the K-3 program.

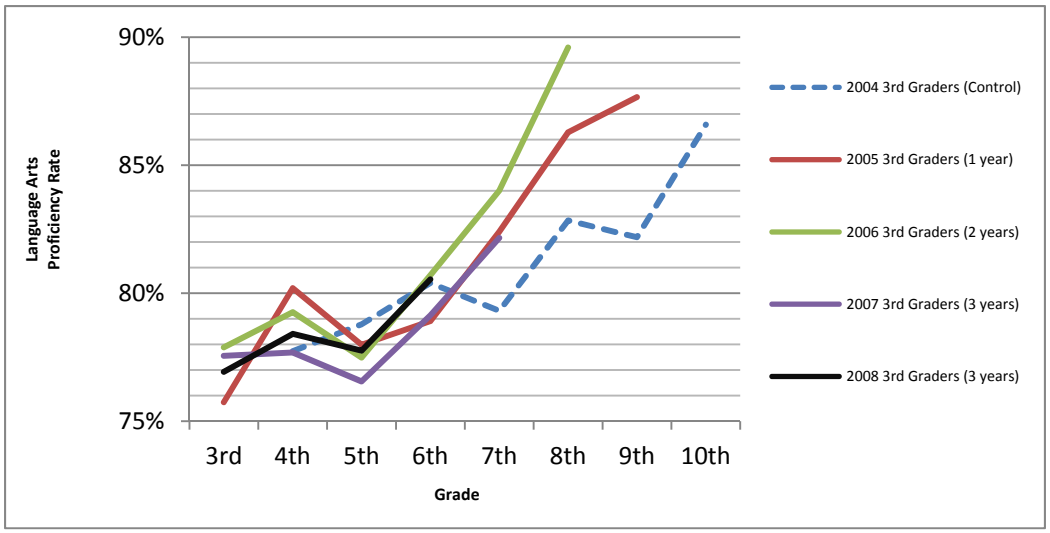


Figure 1: 3rd Grade Cohort Language Arts Proficiency Rate trends from 3rd to 10th grade

	3rd Grade	4th Grade	5th Grade	6th Grade	7th Grade	8th Grade	9th Grade	10th Grade
2004 3rd Graders (Control)		77.73%	78.79%	80.40%	79.31%	82.84%	82.18%	86.58%
2005 3rd Graders (1 year)	75.74%	80.20%	77.98%	78.91%	82.40%	86.28%	87.66%	
2006 3rd Graders (2 year)	77.88%	79.26%	77.49%	80.70%	84.01%	89.60%		
2007 3rd Graders (3 year)	77.56%	77.68%	76.55%	79.13%	82.16%			
2008 3rd Graders (3 year)	76.93%	78.41%	77.75%	80.54%				

Figure 2: 3rd Grade Cohort Language Arts Proficiency Rates from 3rd to 10th grade

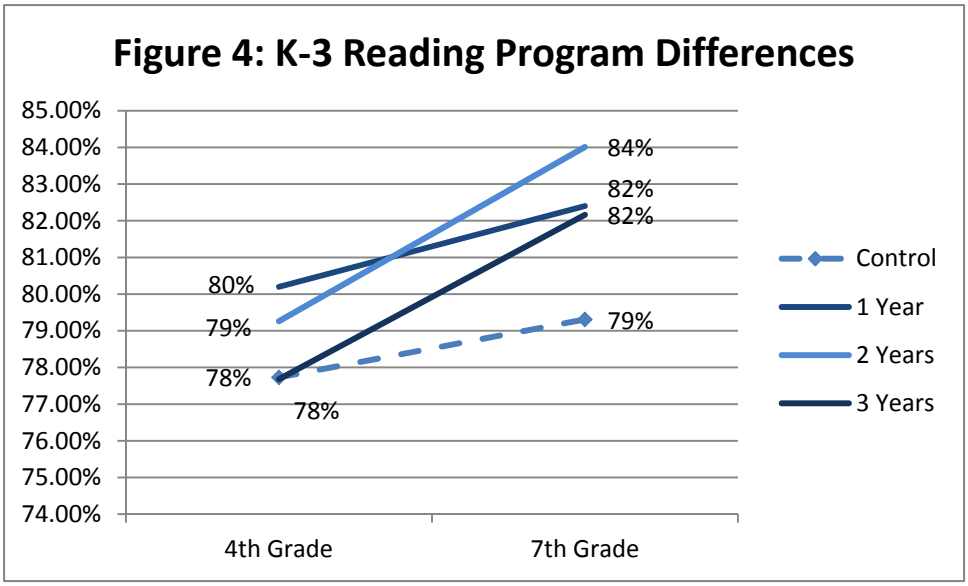
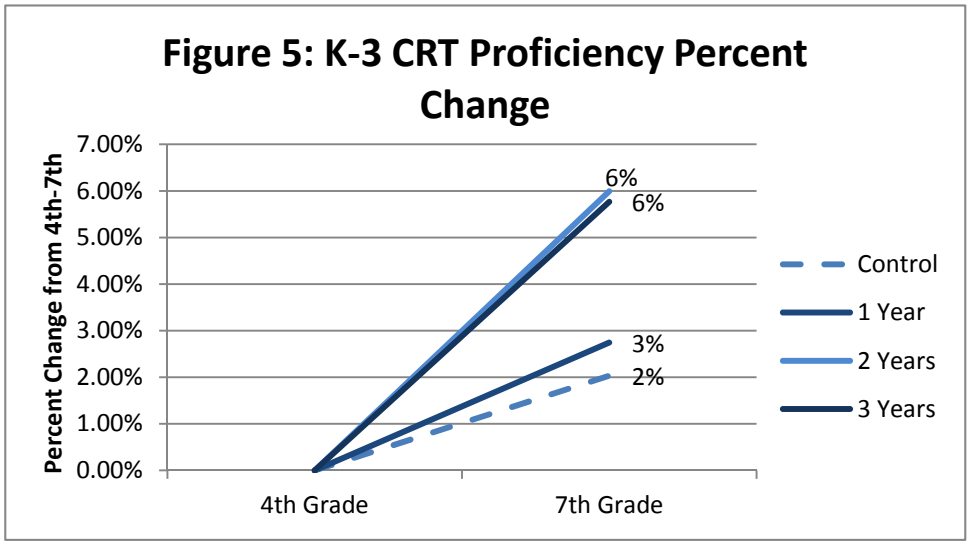
Figure 2 displays the same data as Figure 1, except in table form instead of graph. Compared to the 2004 control cohort, there is a noticeable increase in proficiency after the K-3 Reading Program was implemented.

4th Grade and 7th Grade Language Arts CRT

Figure 3 compares the 4th and 7th grade Language Arts proficiency rates of the 2005, 2006, and 2007 cohorts to the rates of the 2004 control cohort. Grades 4 and 7 were chosen as the two time periods to compare since those were the two grades where data were available for all four groups. In addition, it is indicated whether or not the cohort's 7th grade proficiency rate was statistically significantly different from the control cohort's rate.

	4th Grade	7th Grade	7th Grade: Statistical Difference from Control
2004 3rd Graders (Control)	77.73%	79.31%	-
2005 3rd Graders (1 year)	80.20%	82.40% *	Yes, statistically different
2006 3rd Graders (2 year)	79.26%	84.01% *	Yes, statistically different
2007 3rd Graders (3 year)	77.68%	82.16% *	Yes, statistically different

Figure 3: Comparison of 3rd Grade Cohort Language Arts Proficiency Rates in 4th Grade and 7th Grade



Figures 4 and 5 also show the differences between the four groups in 4th and 7th grade. Figure 4 shows actual proficiency scores while Figure 5 shows the percent change from 4th grade. Figure 5 allows an equivalent comparison of percent proficiency increases across groups.