



Kodiak Island Borough School District, Kodiak, Alaska

The Kodiak Island Borough School District (KIBSD) implemented the pre-publications version of Bridges in Mathematics Grade 4 curriculum during the 2005-06 school year and subsequently the final published version in 2006-07. Many of the district’s fourth grade students had experience with Bridges since it is the district’s adopted K-3 mathematics curriculum. Prior to using the Bridges curriculum the district’s fourth grade teachers used a variety of different mathematics curricula.

The state of Alaska assesses student academic achievement near the end of each school year with the Alaska Standards-Based Assessment (ASBA), a criterion-referenced test based on the Alaska Content Standards. The results from the mathematics section of the ASBA for the 2006-07 school year are provided in Table 1 for the KIBSD fourth grade Bridges students and for all Alaskan fourth graders. The Bridges students outperformed their peers on the mathematics section of the ASBA in aggregate and for each subgroup with reportable data.

Table 1

| Alaska Standards-Based Assessment Grade 4 Mathematics Results Kodiak Island Borough School District and State Students 2006-07 School Year | | | | |
|---|--|---------------------------|--|---------------------------|
| | Kodiak Island Borough School District Bridges Students = | | Statewide | |
| Student Subgroups | Number of Students λ N = | Proficient or Advanced | Number of Students λ N = | Proficient or Advanced |
| Total | 152 | 90% | 9,255 | 76% |
| White | 67 | 94% | 5,103 | 84% |
| Hispanic | 13 | $\geq 80\%$ | 343 | 73% |
| Asian/Pacific Islander | 45 | 87% | 607 | 80% |
| African American | 1 | * | 405 | 68% |
| American Indian/Native Alaskan | 25 | 88% | 2,373 | 58% |
| Multi-Ethnic | 0 | – | 524 | 74% |
| Withheld (Declined) | 1 | * | Not Available | |
| Economically Disadvantaged | 88 | 78% | 4,077 | 65% |
| Limited English Proficient | 40 | 83% | 1,599 | 55% |
| Migrant | 0 | – | 556 | 61% |

= Does not include students from KIBSD village schools.

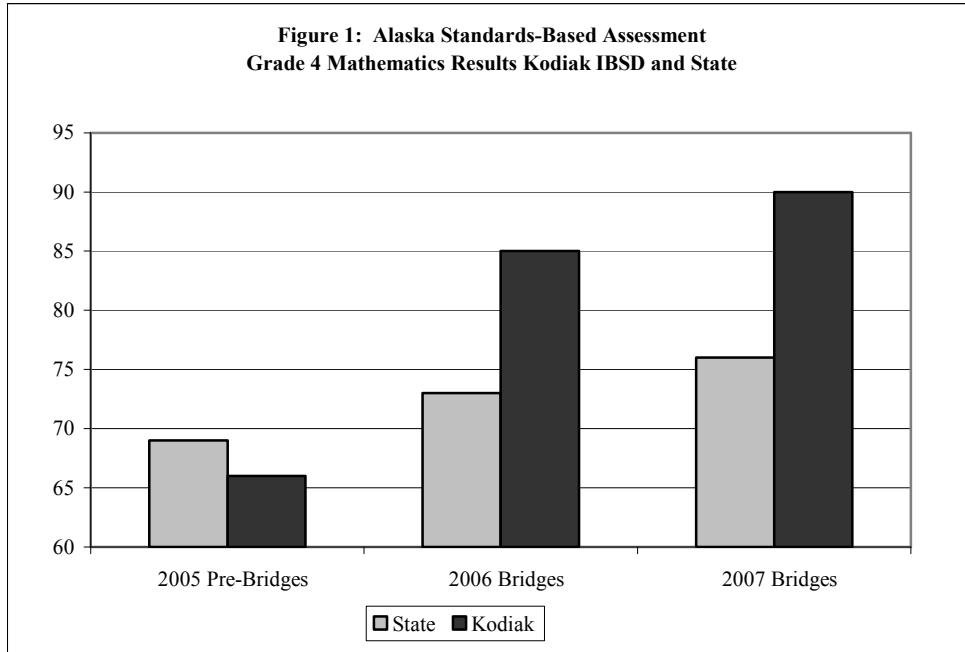
λ Only includes students that were tested.

* Alaska does not report results for groups with fewer than 5 students.

Sources: KIBSD and Alaska DOE website. Note: Percentages have been rounded.



Figure 1 provides the aggregate ASBA mathematics results for the state and KIBSD fourth grade students for the 2004-05, 2005-06 and 2006-07 school years. This three-year comparison shows a marked improvement in the KIBSD students’ performance. In 2005, the year prior to Bridges, 66% of the KIBSD students scored at the proficient or advanced levels on the test. In the years immediately following implementation this percentage increased to 85% and 90%. In comparison, 69% of the state students scored at the proficient or advanced levels on the test in 2005, while 73% and 76% did so in 2006 and 2007, respectively.



*Does not include students from KIBSD village schools.
Note: Only includes students that were tested. Percentages have been rounded.
Sources: KIBSD and Alaska DOE website.*