

NDSA State Assessment Proficiency Comparisons

Using the 2021-2022 and 2022-2023 North Dakota State Assessment results ('NDSA'), students were included in this study if they were in grades 4-8 in 2022-23 with NDSA results in both the 2021-22 and 2022-23 school years and were in the classroom of a Dickinson State University first year teacher during the 2022-23 school year. A first year teacher, for the purposes of this study, involved a Dickinson State University graduate who completed their degree in either Fall 2021, Spring 2022, or Summer 2022 semesters.

NDSA Mathematics

Figure 1 below shows the transition of the NDSA Mathematics proficiency level of students the years before and after the first-year teacher from Dickinson State University arrived in their class.

Dickinson State University First Year Teachers NDSA Mathematics

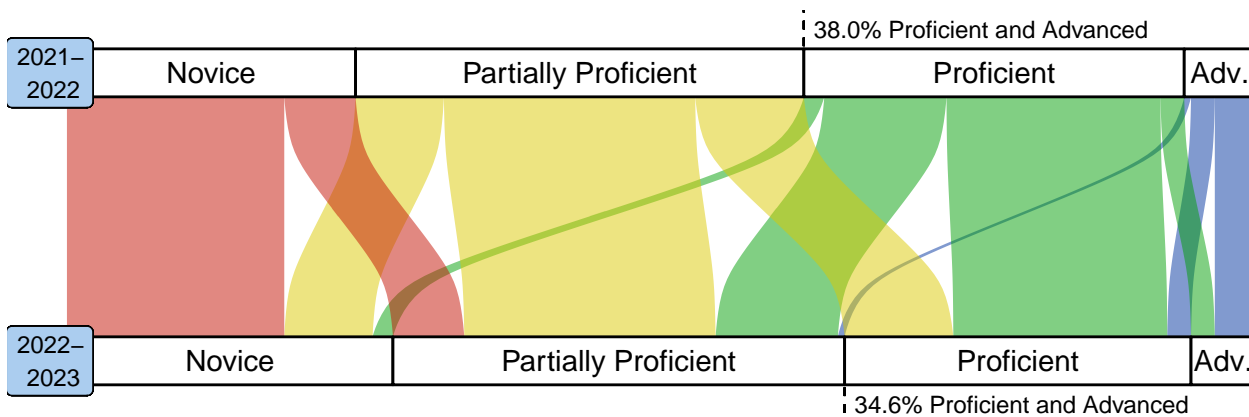


Figure 1: NDSA Mathematics proficiency transition for students of Dickinson State University first year teachers

The total number of students for figure 1 is 701. In the spring of the school year prior to the arrival of the Dickinson State University first year teacher, 38.0% of these fell in the "Proficient" or "Advanced" category. Following one year in the class of a Dickinson State University first year teacher, 34.6% of those same students fell in the "Proficient" or "Advanced" proficiency level in the NDSA Mathematics test.

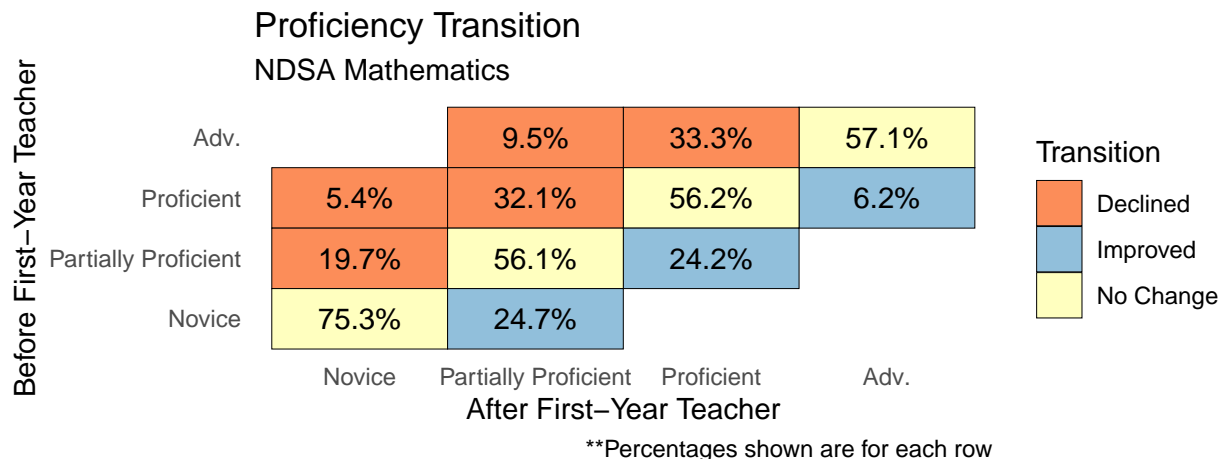


Figure 2: Proficiency transitions for students of Dickinson State University first year teachers on NDSA Mathematics

NDSA Language

Figure 3 below shows the transition of the NDSA Language proficiency level of students the years before and after the first-year teacher from Dickinson State University arrived in their class.

Dickinson State University First Year Teachers NDSA Language

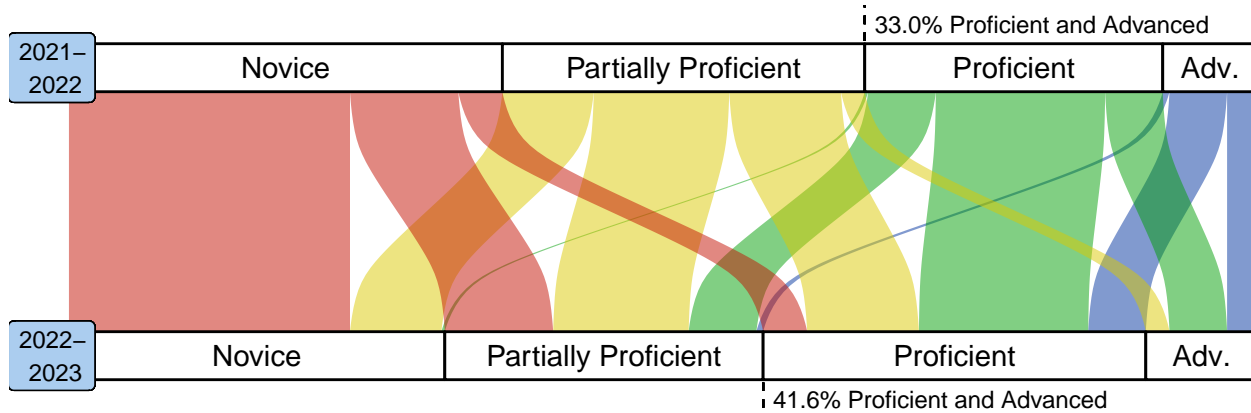


Figure 3: NDSA Language proficiency transition for students of Dickinson State University first year teachers

The total number of students for figure 3 is 701. In the spring of the school year prior to the arrival of the Dickinson State University first year teacher, 33.0% of these fell in the "Proficient" or "Advanced" category. Following one year in the class of a Dickinson State University first year teacher, 41.6% of those same students fell in the "Proficient" or "Advanced" proficiency level in the NDSA Language test.

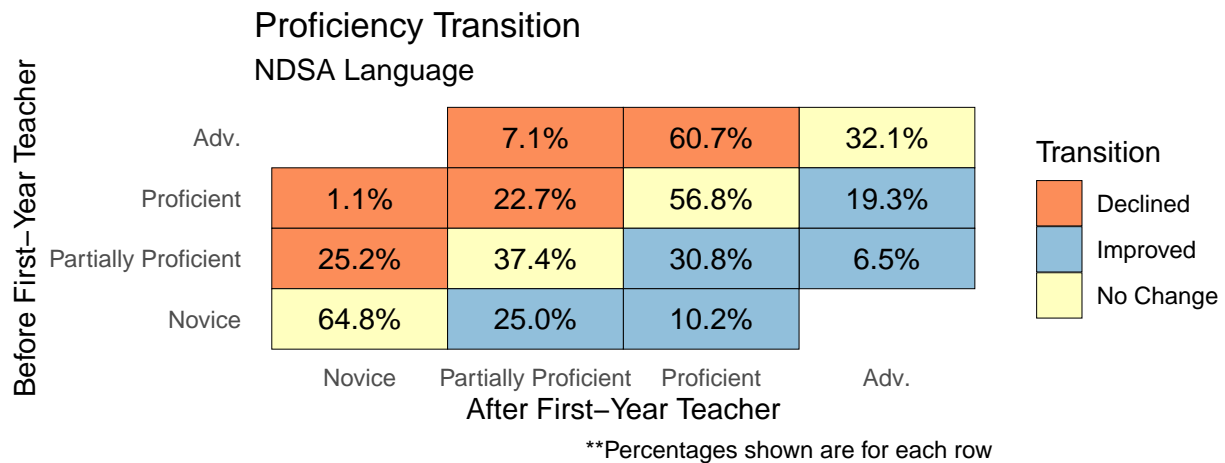


Figure 4: Proficiency transitions for students of Dickinson State University first year teachers on NDSA Language

For figures 2 and 4, all percentages are row percentages. For example, in Figure 4, of students who were proficient on the NDSA Language exam prior to the arrival of the first-year teacher, 56.8% remained proficient and 19.3% improved to the advanced tier. 23.9% declined to either the partially proficient or novice levels.