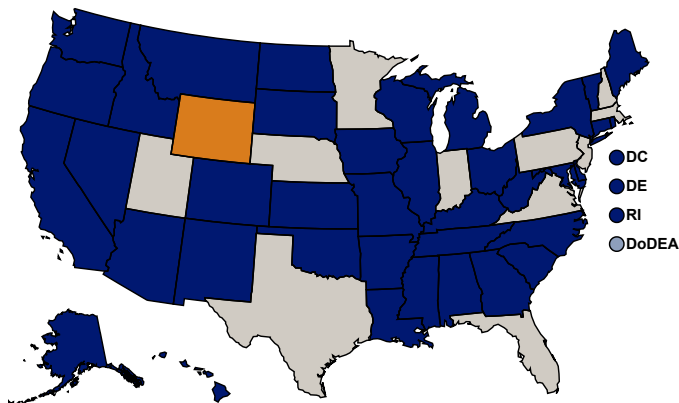


Overall Results

- In 2019, the average score of fourth-grade students in Wyoming was 246. This was higher than the average score of 240 for students in the nation.
- The average score for students in Wyoming in 2019 (246) was lower than their average score in 2017 (248) and was higher than their average score in 2000 (229).
- The percentage of students in Wyoming who performed at or above the *NAEP Proficient* level was 48 percent in 2019. This percentage was not significantly different from that in 2017 (51 percent) and was higher than that in 2000 (25 percent).
- The percentage of students in Wyoming who performed at or above the *NAEP Basic* level was 87 percent in 2019. This percentage was not significantly different from that in 2017 (89 percent) and was higher than that in 2000 (71 percent).

Compare the Average Score in 2019 to Other States/Jurisdictions



In 2019, the average score in Wyoming (246) was
 lower than those in 1 state/jurisdiction
 higher than those in 39 states/jurisdictions
 not significantly different from those in 11 states/jurisdictions

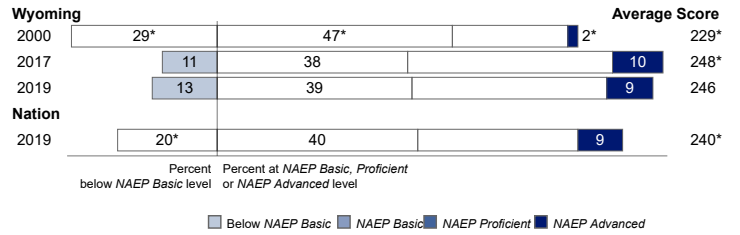
DoDEA = Department of Defense Education Activity (overseas and domestic schools)
 NOTE: Puerto Rico was not included in the comparison results.

Results for Student Groups in 2019

Reporting Groups	Percentage of students	Avg. score	Percentage at or above NAEP		Percentage at NAEP
			Basic	Proficient	Advanced
Race/Ethnicity					
White	78	249	90	52	10
Black	1	‡	‡	‡	‡
Hispanic	15	238	82	36	4
Asian	1	‡	‡	‡	‡
American Indian/Alaska Native	3	219	60	11	1
Native Hawaiian/Pacific Islander	#	‡	‡	‡	‡
Two or more races	2	‡	‡	‡	‡
Gender					
Male	51	248	88	51	10
Female	49	244	87	44	7
National School Lunch Program					
Eligible	37	236	78	33	5
Not eligible	63	252	92	56	11

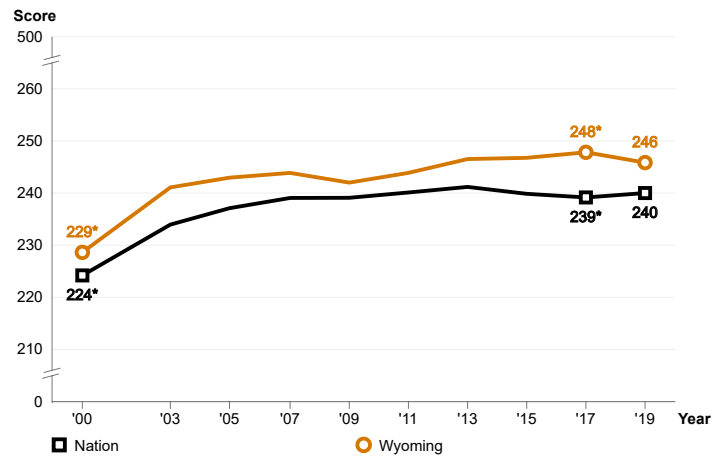
Rounds to zero.
 ‡ Reporting standards not met.
 NOTE: Detail may not sum to totals because of rounding, and because the "Information not available" category for the National School Lunch Program, which provides free/reduced-price lunches, is not displayed. Black includes African American and Hispanic includes Latino. Race categories exclude Hispanic origin.

NAEP Achievement-Level Percentages and Average Score Results



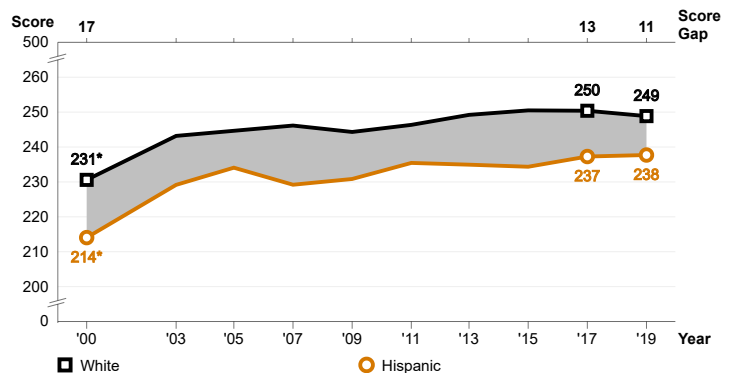
* Significantly different ($p < .05$) from state's results in 2019. Significance tests were performed using unrounded numbers.
 NOTE: NAEP achievement levels are to be used on a trial basis and should be interpreted and used with caution. Detail may not sum to totals because of rounding.

Average Scores for State/Jurisdiction and Nation



* Significantly different ($p < .05$) from 2019. Significance tests were performed using unrounded numbers.

White - Hispanic Score Gap



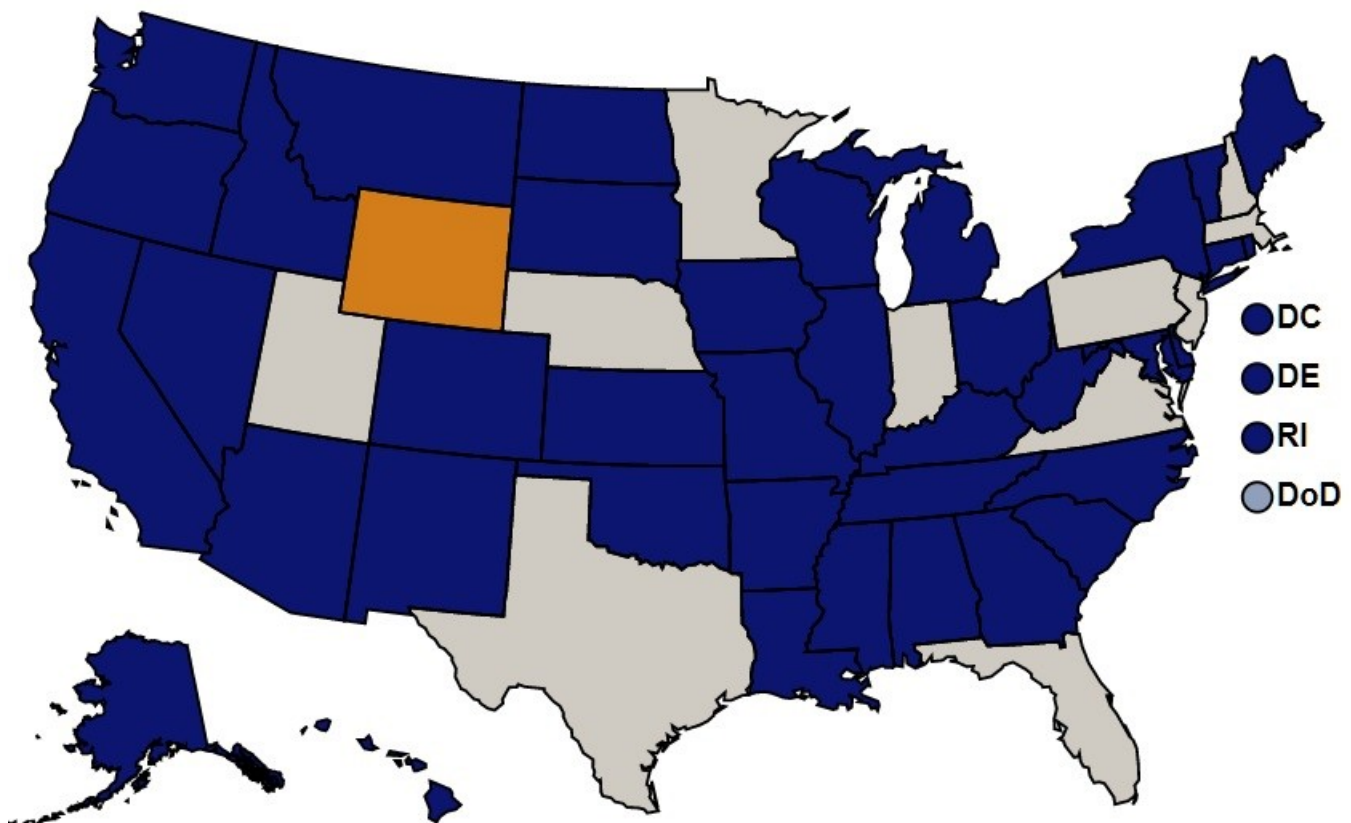
* Significantly different ($p < .05$) from 2019. Significance tests were performed using unrounded numbers.

Grade 4 Report

National Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Wyoming and the Nation Grade 4 Mathematics Scale Scores



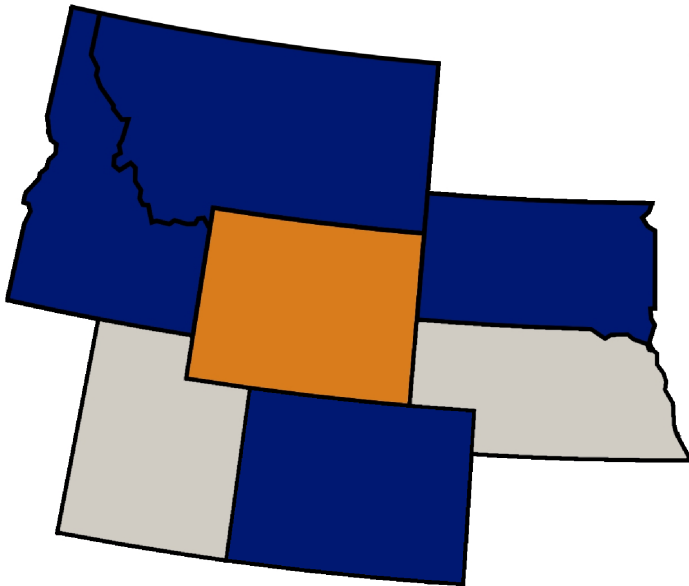
- ▶ On the 2019 mathematics assessment, Wyoming 4th graders had an average scale score that was reliably higher than students in Alabama, Alaska, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District of Columbia, Georgia, Hawaii, Idaho, Illinois, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Michigan, Mississippi, Missouri, Montana, Nevada, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Rhode Island, South Carolina, South Dakota, Tennessee, Vermont, Washington, West Virginia and Wisconsin.
- ▶ Wyoming 4th graders had an average scale score that was not statistically different from students in Florida, Indiana, Massachusetts, Minnesota, Nebraska, New Hampshire, New Jersey, Pennsylvania, Texas, Utah, and Virginia.
- ▶ Only one jurisdiction during 2019, Department of Defense schools, had an average scale score which was reliably higher than 4th graders students in Wyoming.

Grade 4 Report

Regional Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Average Scale Scores

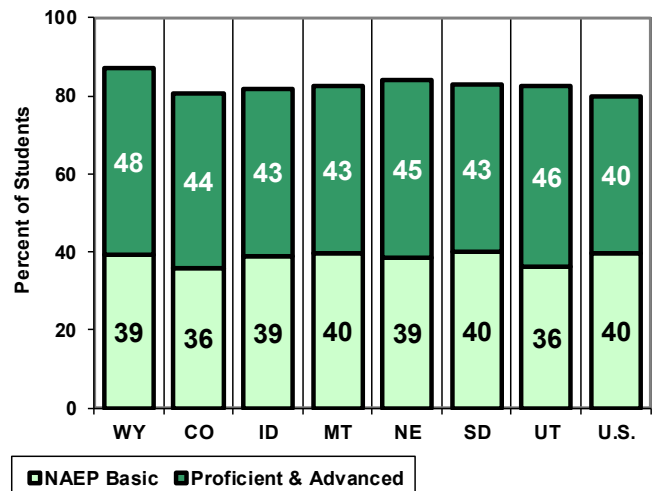


- ▶ In 2019, the average mathematics scale score for 4th grade students in Wyoming was 246; this was reliably higher than the national average (240).
- ▶ Wyoming 4th graders also had a higher average mathematics scale score in 2019 than students in Colorado, Idaho, Montana, Nebraska and South Dakota .
- ▶ Wyoming fourth graders had an average mathematics scale score in 2019 that was not statistically different from Nebraska and Utah.

Legend: Wyoming is the focal state. States in dark blue scored reliably lower than Wyoming. States in beige was not statistically different from Wyoming.

Achievement Levels

- ▶ Eighty-seven (87) percent of Wyoming's 4th graders scored at or above *Basic* on the 2019 mathematics assessment. This was higher than the nation's 80 percent.
- ▶ Wyoming had a higher percentage of 4th graders scoring at or above *Basic* on the 2019 mathematics assessment than Colorado, Idaho, Montana, Nebraska, South Dakota and Utah.

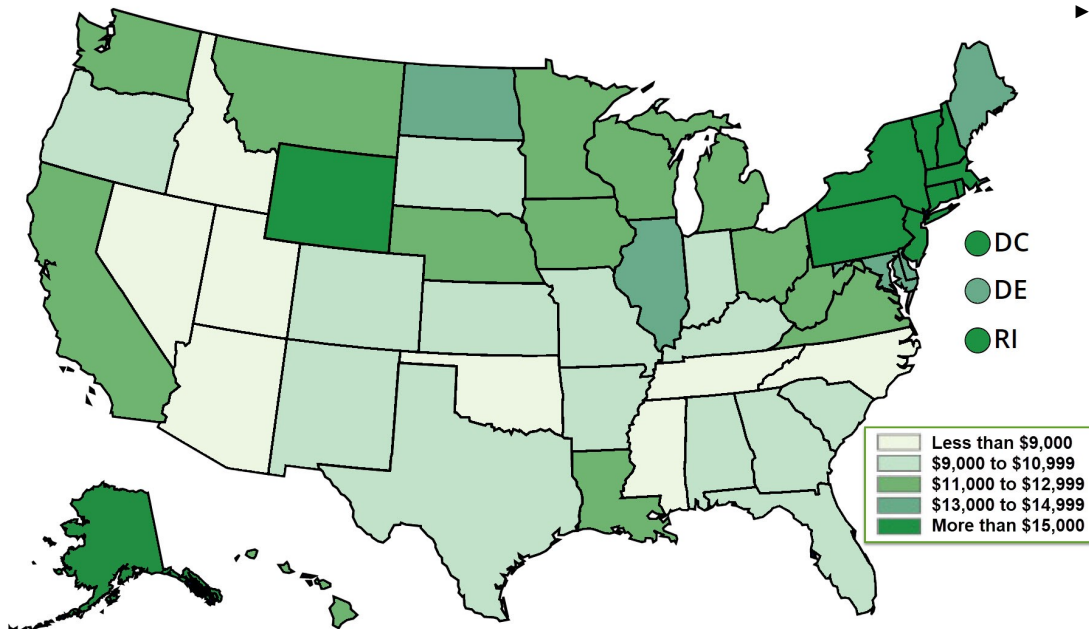


Grade 4 Report

Funding Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Per Capita Student Expenditures During 2015 2016



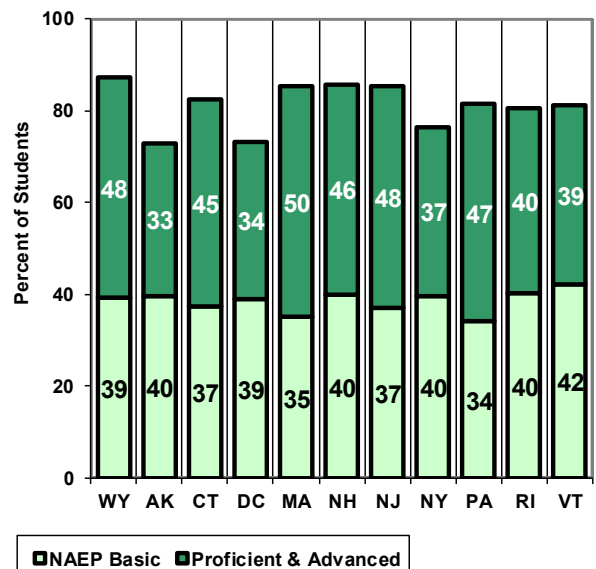
► Wyoming was one of eleven jurisdictions spending over \$15,000 per student during the 2015-2016 school year. Jurisdictions also at this spending level: Alaska, Connecticut, DC, Massachusetts, New Jersey, New York, New Hampshire, Pennsylvania, Rhode Island, and Vermont.

NOTE: Current expenditures include instruction, instruction-related, support services, and other elementary/secondary expenditures, but exclude expenditures on capital outlay, other programs, and interest on long term debt. Interschool transactions are excluded to prevent double-counting.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "National Public Education Financial Survey (NPEFS)," fiscal year 2016, First Look.

NAEP Achievement Levels

- Eighty-seven (87) percent of Wyoming 4th graders scored at or above *Basic* on the 2019 mathematics assessment. This was higher than the nation's 80 percent.
- Wyoming had a higher percentage of 4th graders scoring at or above *Basic* on the 2019 mathematics assessment than Alaska, Connecticut, District of Columbia, New York, Pennsylvania, Rhode Island and Vermont i.e., states with similar per student expenditures.
- The percentage of Wyoming fourth grade students performing at or above *Basic* on the 2019 assessment was not reliably different from Massachusetts, New Hampshire or New Jersey.



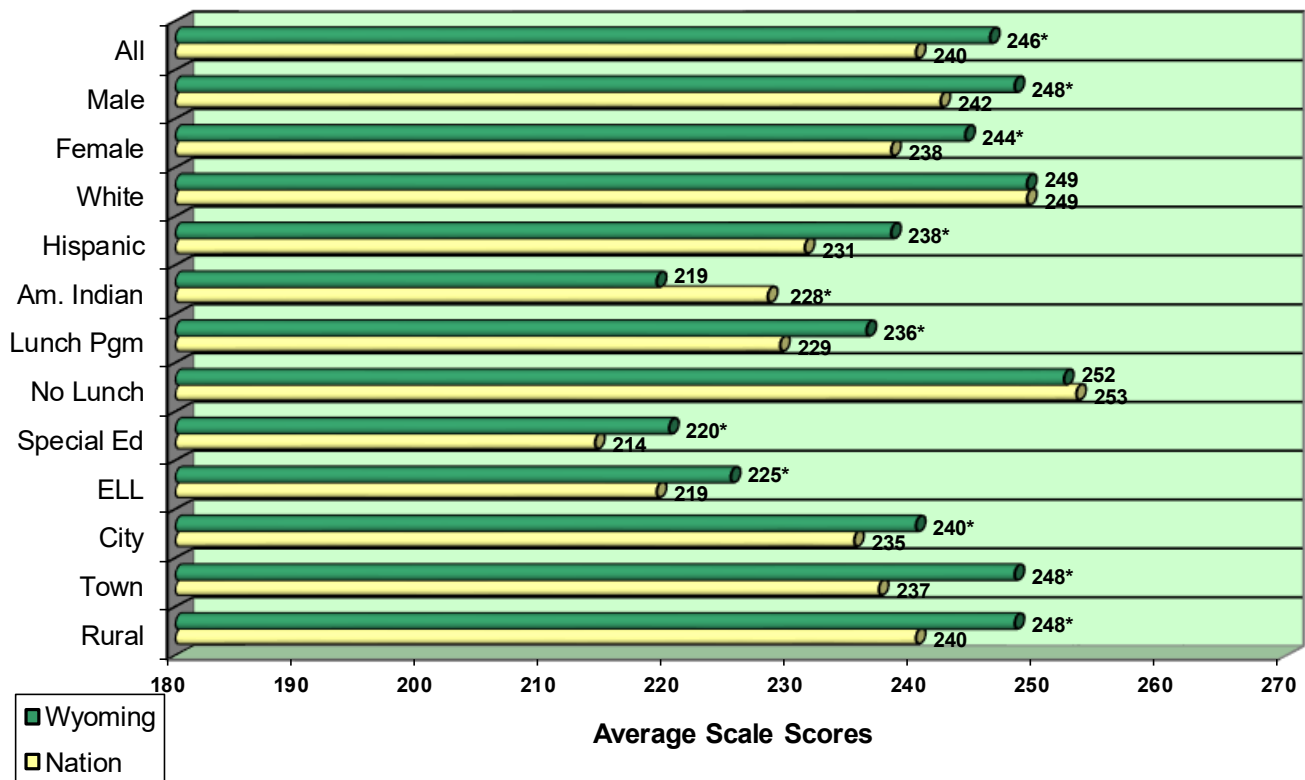
Grade 4 Report

WY US Student Gaps Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Student Group Comparisons

Wyoming and National Results



- ▶ In 2019, Wyoming fourth graders' average scale score in mathematics was higher than students nationally; Wyoming also had higher results in nine student groups: both male and female students, Hispanic students, students from low income families (i.e., students qualifying for free or reduced price meals from the National School Lunch Program), Special Education students, English Language Learners (ELLs) and students in city, town and rural schools (as defined by the US Census Bureau).
- ▶ Wyoming Native American had average scale scores in mathematics that were lower than their peers nationally.
- ▶ Wyoming White students and Non-eligible students (i.e., students *not* qualifying for free or reduced price meals from the National School Lunch Program) had average scale scores in mathematics that were not reliably different from their peers nationally.

Results are based on statistical tests which take into account the variability of NAEP sampling.

For additional results and more information about Wyoming NAEP, please visit:

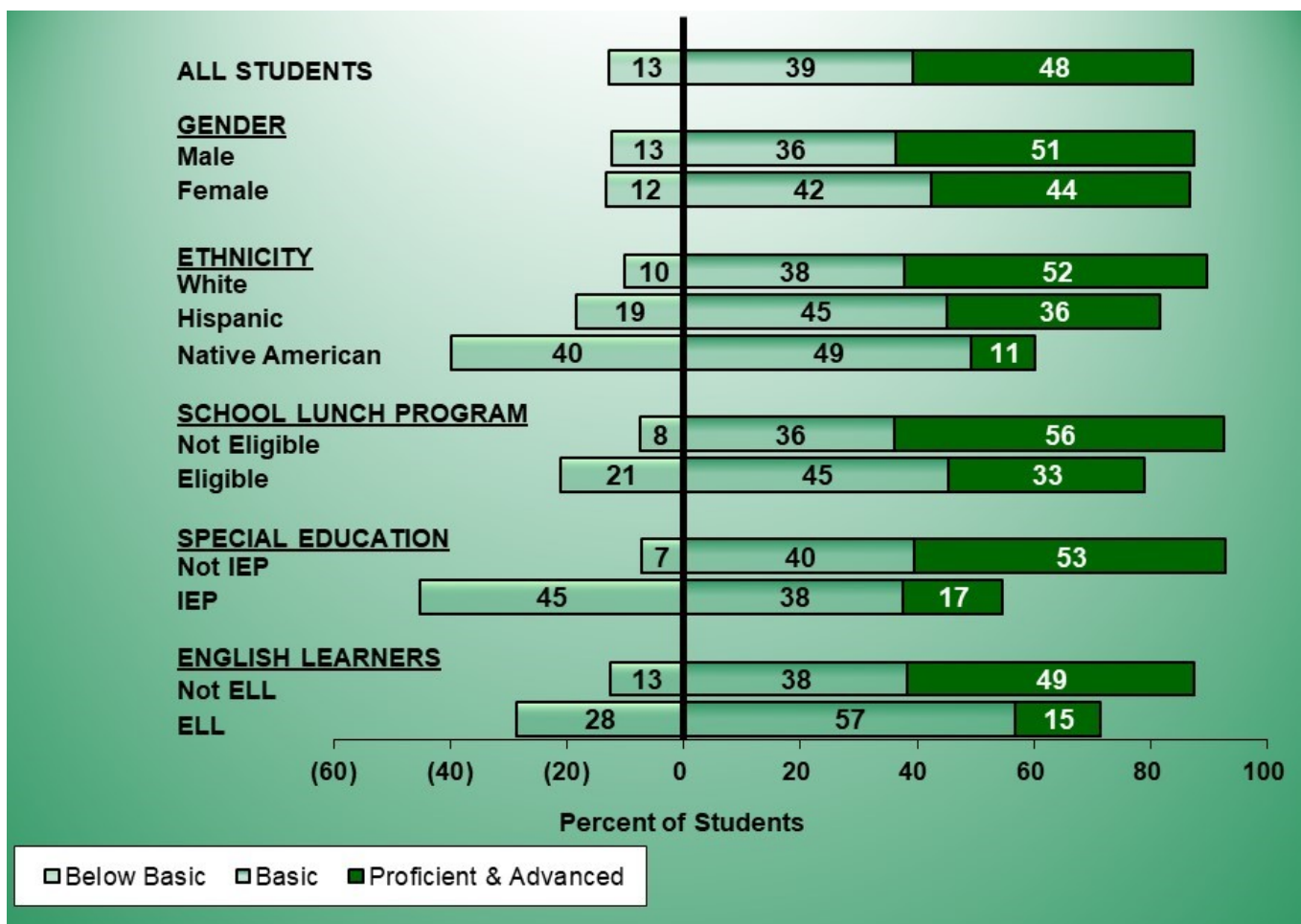
<http://edu.wyoming.gov/educators/assessment/naep>.

Grade 4 Report

Student Groups Snapshot

The National Assessment of Educational Progress (NAEP) uses both multiple choice and constructed-response test items to assess fourth graders' mathematical skills in five categories: number properties & operations, measurement, geometry, data analysis & probability, and algebra. Scale scores range from 0 to 500, wherein a 214 score denotes NAEP's *Basic* achievement benchmark (i.e., approximately a "grade level" performance); 249 reflects *Proficient* results or competency on challenging material, and 282 is considered to be *Advanced*.

Student Groups in Wyoming



- ▶ On the NAEP 2019 mathematics assessment, the proportion of fourth grade female students in Wyoming scoring at or above *Basic* (86 percent) was *not* reliably different than male students (87 percent).
- ▶ The proportion of fourth grade Hispanic (81 percent) and Native American (60 percent) students in Wyoming scoring at or above *Basic* was lower than White students (90 percent). Sampling was not sufficient to permit reporting of mathematics performance for fourth grade Asian and Black students.
- ▶ Wyoming fourth graders qualifying for free or reduced price meals in the School Lunch Program and scoring at or above *Basic* (78 percent) was lower than students not eligible for the program (92 percent).
- ▶ Special education students scoring at or above *Basic* (55 percent) was lower than general education students (93 percent).
- ▶ ELL students scoring at or above *Basic* (72 percent) was lower than non-English learners (87 percent).

Results are based on statistical tests which take into account the variability of NAEP sampling.

For additional results and more information about Wyoming NAEP, please visit:

<http://edu.wyoming.gov/educators/assessment/naep>.