



APPENDIX TABLE 1-4 

Students in grades 4, 8, and 12 scoring at or above the main NAEP's proficient level in science for their grade, by student grade and characteristics: 2009–15

(Percent)

Student grade and characteristic	2009	2011	2015
All students in grade 4	33.7	NA	37.7
Sex			
Male	35.0	NA	38.8
Female	32.5	NA	36.7
Race or ethnicity ^a			
White	47.1	NA	50.9
Black	10.6	NA	14.6
Hispanic ^b	13.8	NA	21.2
Asian or Pacific Islander	44.6	NA	53.2
American Indian or Alaska Native	17.4	NA	20.3
More than one race	35.4	NA	41.3
Socioeconomic status ^c			
Eligible for free or reduced-price lunch	16.1	NA	21.8
Not eligible for free or reduced-price lunch	48.0	NA	55.2
Student disability status ^d			
Has a disability	16.5	NA	18.1
Does not have a disability	35.9	NA	40.6
English language learner status ^d			
English language learner	5.1	NA	8.7
Not English language learner	36.6	NA	41.1
All students in grade 8	30.3	31.8	34.2
Sex			
Male	33.6	35.4	36.8
Female	26.9	28.2	31.5



Student grade and characteristic	2009	2011	2015
Race or ethnicity ^a			
White	41.6	43.3	46.7
Black	8.3	9.8	11.5
Hispanic ^b	12.3	16.2	18.3
Asian or Pacific Islander	40.6	41.1	47.0
American Indian or Alaska Native	17.1	19.6	16.0
More than one race	28.6	34.6	38.5
Parents' highest education			
Did not finish high school	10.9	12.1	14.6
Graduated from high school	17.6	18.2	18.6
Some education after high school	29.0	30.3	31.6
Graduated from college	42.2	43.7	46.6
Unknown	11.9	14.8	15.2
Socioeconomic status ^c			
Eligible for free or reduced-price lunch	13.8	16.3	18.3
Not eligible for free or reduced-price lunch	40.7	44.5	49.1
Student disability status ^d			
Has a disability	11.2	11.1	11.0
Does not have a disability	32.6	34.4	37.3
English language learner status ^d			
English language learner	2.4	2.7	3.6
Not English language learner	31.8	33.5	36.1
All students in grade 12	20.9	NA	22.0
Sex			
Male	24.2	NA	25.3
Female	17.6	NA	18.5
Race or ethnicity ^a			



Student grade and characteristic	2009	2011	2015
White	27.0	NA	29.4
Black	4.4	NA	5.5
Hispanic ^b	8.3	NA	9.4
Asian or Pacific Islander	36.2	NA	38.1
American Indian or Alaska Native	13.1	NA	11.5
More than one race	21.5	NA	24.5
Parents' highest education			
Did not finish high school	6.0	NA	6.3
Graduated from high school	9.8	NA	10.7
Some education after high school	15.2	NA	17.0
Graduated from college	31.3	NA	32.8
Unknown	4.7	NA	5.0
Socioeconomic status ^c			
Eligible for free or reduced-price lunch	8.2	NA	9.5
Not eligible for free or reduced-price lunch	25.9	NA	29.2
Student disability status ^d			
Has a disability	5.6	NA	8.8
Does not have a disability	22.3	NA	23.4
English language learner status ^d			
English language learner	1.2	NA	2.1
Not English language learner	21.5	NA	22.7

NA = not available.

NAEP = National Assessment of Educational Progress.

^a Other racial and ethnic groups are included in the rows for all students in grade 4, all students in grade 8, and all students in grade 12 but are not shown separately in the table.

^b Hispanic may be any race. American Indian or Alaska Native, Asian or Pacific Islander, black, white, and more than one race refer to individuals who are not of Hispanic origin.



^c NAEP uses eligibility for the federal National School Lunch Program (NSLP) as a measure of socioeconomic status. NSLP is a federally assisted meal program that provides low-cost or free lunches to eligible students. It is sometimes referred to as the free or reduced-price lunch program.

^d From 1996 on, students with a disability and English language learners were allowed to use testing accommodation (e.g., extended time, one-on-one testing, bilingual dictionary). More information about testing accommodation is available at <https://nces.ed.gov/nationsreportcard/about/inclusion.asp>.

Note(s)

Grades 4 and 12 science data are presented in 2009 and 2015 only because the science framework was substantially revised in 2009, making prior assessment results not comparable with those in or after 2009. Science assessment was not conducted in 2011 for grades 4 and 12.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2016) of main NAEP 2009, 2011, and 2015 science assessments, National Center for Education Statistics.

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