APPENDIX TABLE 1-24 ⊞

Science course enrollment of high school completers, by sex and socioeconomic status within race or ethnicity: 2013

(Percentage distribution)

Student and family characteristic	General science	AP/IB or advanced science	No biology	General biology	AP/IB or advanced biology	No chemistry	General chemistry	AP/IB or advanced chemistry	No physics	General physics	AP/IB or advanced physics
All students	78.6	21.3	2.5	86.1	11.5	24.4	67.9	7.7	58.5	36.4	5.1
White											
Lowest fifth SES	89.7	10.1	2.7	91.9	5.4	40.2	55.4	4.4	72.3	26.7	1.0
Middle three-fifths SES	80.9	18.9	2.4	87.0	10.6	26.8	66.3	6.9	62.7	33.2	4.0
Highest fifth SES	62.2	37.8	2.2	79.2	18.6	11.4	73.8	14.7	44.0	46.2	9.8
Black											
Lowest fifth SES	89.2	10.1	2.3	90.9	6.9	25.0	69.9	5.1	66.6	28.9	4.5
Middle three-fifths SES	85.5	14.5	0.6	90.2	9.2	25.7	71.5	2.8	61.8	37.0	1.3
Highest fifth SES	69.3	30.7	1.9	80.8	17.3	14.9	80.6	4.5	51.5	43.5	5.0
Hispanic[a]											
Lowest fifth SES	88.9	10.7	4.3	88.5	7.2	32.5	65.3	2.2	65.8	33.1	1.1

Student and family characteristic	General science	AP/IB or advanced science	No biology	General biology	AP/IB or advanced biology	No chemistry	General chemistry	AP/IB or advanced chemistry	No physics	General physics	AP/IB or advanced physics
Middle three-fifths SES	83.4	16.6	1.9	90.5	7.6	24.8	70.6	4.7	56.8	39.9	3.4
Highest fifth SES	68.8	30.7	2.2	85.4	12.4	13.0	71.7	15.3	47.4	42.4	10.2
Asian											
Lowest fifth SES	69.3	30.7	5.7	79.5	14.7	18.8	72.0	9.2	50.5	38.2	11.3
Middle three-fifths SES	56.0	44.0	3.3	70.1	26.6	10.6	71.0	18.5	35.8	47.6	16.6
Highest fifth SES	32.3	67.7	4.0	56.5	39.5	7.3	55.7	37.0	23.0	51.5	25.5
Other[b]											
Lowest fifth SES	s	s	s	s	s	s	s	s	s	s	s
Middle three-fifths SES	88.6	10.2	3.7	88.2	8.1	29.6	64.9	5.5	76.0	23.7	0.3
Highest fifth SES	s	s	s	s	s	s	s	s	s	s	s
Two or more races											

Student and family characteristic	General science	AP/IB or advanced science	No biology	General biology	AP/IB or advanced biology	No chemistry	General chemistry	AP/IB or advanced chemistry	No physics	General physics	AP/IB or advanced physics
Lowest fifth SES	93.3	6.7	1.6	95.9	2.5	46.5	50.7	2.8	73.2	26.8	0.0
Middle three-fifths SES	81.8	18.2	2.5	87.2	10.2	27.1	67.4	5.5	63.5	31.9	4.6
Highest fifth SES	70.4	29.6	3.5	82.1	14.4	16.5	71.5	12.0	46.4	44.3	9.3
White											
Male	77.8	22.2	2.7	86.6	10.7	26.7	64.9	8.4	55.3	37.9	6.8
Female	75.4	24.4	2.1	83.9	14.0	21.0	69.7	9.3	61.3	34.7	3.9
Black											
Male	90.4	9.2	1.8	93.5	4.7	27.4	68.5	4.0	63.5	34.0	2.5
Female	81.7	18.3	0.8	87.2	12.1	21.2	75.9	2.9	62.3	35.4	2.3
Hispanic											
Male	86.3	13.6	1.9	91.1	7.0	29.3	66.1	4.6	60.0	34.9	5.1
Female	81.7	18.1	3.8	87.4	8.8	25.0	69.9	5.0	59.2	38.9	1.9
Asian											
Male	52.9	47.1	5.6	70.4	24.0	13.5	65.2	21.3	34.2	42.7	23.1
Female	44.3	55.7	2.1	61.9	36.0	6.8	65.3	27.9	31.5	51.9	16.6
Other											

Student and family characteristic	General science	AP/IB or advanced science	No biology	General biology	AP/IB or advanced biology	No chemistry	General chemistry	AP/IB or advanced chemistry	No physics	General physics	AP/IB or advanced physics
Male	92.8	7.2	4.0	91.6	4.3	39.0	58.9	2.1	68.6	30.5	0.9
Female	90.3	8.2	1.5	90.7	7.8	27.3	67.4	5.3	80.0	20.0	0.0
Two or more races											
Male	79.6	20.4	4.0	86.8	9.2	28.7	63.8	7.5	58.4	35.5	6.1
Female	82.5	17.5	1.8	87.0	11.2	27.5	67.1	5.4	65.3	31.2	3.5

s = suppressed for reasons of confidentiality and/or reliability.

AP/IB = Advanced Placement/International Baccalaureate; SES = socioeconomic status.

[a] Hispanic may be any race. Asian, black, white, and other races refer to individuals who are not of Hispanic origin.

[b] Other includes Alaska Native, American Indian, Native Hawaiian, Pacific Islander, more than one race, and those having origins in a race not listed.

Note(s)

Percentages may not add to total because of rounding. SES is a composite variable derived from parental education level, parental occupation, and family income. The quintile measure divides the SES distribution into five equal quintile groups. Quintile 1 corresponds to the lowest one-fifth of the population, and quintile 5 corresponds to the highest. For this report, the middle three quintiles are combined into one category.

Source(s)

National Science Foundation, National Center for Science and Engineering Statistics, special tabulations (2016) of High School Longitudinal Study of 2009 (HSLS:09), National Center for Education Statistics.

Science and Engineering Indicators 2018