

Appendix table 1-18

High school graduates who completed advanced science courses, by selected student and school characteristics: Selected years, 1990–2000

(Percent)

Class and characteristic	Chemistry		Physics		Advanced biology		Chemistry, physics, and advanced biology	AP/IB environmental science
	Any chemistry	AP/IB chemistry	Any physics	AP/IB physics	Any advanced biology	AP/IB biology		
1990 graduates	45.0	NA	21.5	NA	27.5	NA	7.4	NA
1994 graduates	50.4	NA	24.5	NA	34.8	NA	9.9	NA
1998 graduates	56.4	2.9	28.6	1.7	37.4	4.9	12.1	NA
2000 graduates								
Overall	62.7	3.2	33.4	2.4	36.3	6.6	11.7	0.7
Race/ethnicity								
White	63.0	2.9	34.6	2.3	38.4	6.4	12.5	0.7
Black	61.9	1.1	26.0	1.2	32.7	4.3	8.6	0.5
Hispanic	55.7	2.8	25.9	1.1	27.3	6.8	7.0	0.2
Asian/Pacific Islander ...	75.8	14.6	54.5	10.1	38.9	15.7	23.1	2.1
Other	63.3	0.9	32.9	2.1	32.2	5.3	8.6	0.0
Sex								
Male	58.1	3.1	35.6	3.1	31.5	5.2	11.1	0.6
Female	66.8	3.2	31.5	1.7	40.5	7.8	12.4	0.7
School sector								
Public	60.2	3.1	32.0	2.4	36.2	6.4	11.1	0.7
Private	89.3	3.2	48.5	2.7	36.8	8.5	18.4	0.0
Community type								
Urban	68.1	3.8	38.2	2.5	37.8	7.2	12.9	1.1
Suburban	65.0	3.6	33.5	2.8	36.5	6.8	12.9	0.7
Rural	52.4	1.7	28.4	1.4	34.4	5.6	8.2	0.0
Size (enrollment)								
Small (1–599)	60.3	2.0	36.0	0.8	37.7	4.8	10.5	0.0
Medium (600–1,799) ...	64.9	3.6	34.1	2.8	34.7	7.0	12.6	0.8
Large (≥1,800)	59.8	3.0	30.3	2.6	38.5	7.1	10.9	0.8
Poverty rate ^a								
Very low	74.6	5.9	47.0	4.7	38.3	9.7	17.4	0.8
Low	57.0	1.9	28.8	2.0	31.0	4.9	8.7	1.3
Medium	57.2	2.1	27.5	1.3	44.1	6.3	10.7	0.2
High	63.6	3.5	27.1	1.3	32.7	7.1	8.2	0.6

NA = not available

AP = Advanced Placement; IB = International Baccalaureate

^aStudents eligible for national free/reduced-priced lunch program: very low = ≤5%, low = 6–25%, medium = 26–50%, and high = 51–100%.

NOTES: AP and IB courses coded separately in 1998 and 2000 but not in prior years. AP/IB courses appear in two columns: alone in their specific column and along with other courses in “any” column.

SOURCE: U.S. Department of Education, National Center for Education Statistics, National Assessment of Educational Progress, 1990, 1994, 1998, and 2000 High School Transcript Studies.

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