Appendix table 1-11

High school graduates completing advanced science courses (1990, 1994, and 1998), by student and school characteristics in 1998

(Percent)

Year and characteristic	Advanced biology		Chemistry		Physics		Advanced biology, chemistry, and physics
	Any	AP/IB	Any	AP/IB	Any	AP/IB	
1990	27.5	NA	45.0	NA	21.5	NA	7.4
1994	34.8	NA	50.4	NA	24.5	NA	9.9
1998	37.4	4.9	56.4	2.9	28.6	1.7	12.1
Male............................	33.8	4.0	53.3	3.3	31.0	2.3	11.8
Female	40.8	5.8	59.2	2.6	26.6	1.2	12.3
White...........................	38.5	5.0	58.8	2.9	31.1	1.8	13.4
Asian/Pacific Islander ...	43.0	14.0	63.7	9.5	37.4	4.8	15.7
Black...........................	35.8	3.4	51.1	1.2	20.3	0.8	7.6
Hispanic	31.2	3.1	45.5	2.9	19.4	1.3	8.2
School urbanicity							
Urban	43.0	5.9	62.4	3.9	30.8	2.7	14.0
Suburban	39.4	5.9	56.1	3.2	31.2	2.0	14.6
Rural	29.3	2.6	50.9	1.6	23.1	0.4	7.3
School size[a]							
Small........................	36.4	2.9	57.7	0.9	25.7	0.3	11.7
Medium....................	36.8	4.9	56.6	2.9	31.0	1.9	13.4
Large	40.1	6.6	55.0	4.8	24.8	2.6	9.2
School poverty[b]							
Very low	37.9	6.4	71.2	4.8	43.0	3.6	17.8
Low...........................	39.4	4.6	54.2	1.9	26.9	0.9	11.7
Medium....................	34.1	3.4	52.4	2.2	23.6	1.3	10.2
High	37.7	5.3	50.7	2.1	17.4	1.0	7.5

AP   Advanced Placement

IB   International Baccalaureate

NA   not available

[a]Small = fewer than 600 students enrolled, medium = 600–1,800, and large = more than 1,800.

[b]Measured by percentage of students eligible for free or reduced-priced lunches: very low = 5 percent or less, low = 6–25 percent, medium = 26–50 percent, and high = 51–100 percent.

NOTES: AP and IB courses were coded separately in 1998 and 2000 but not in prior years. AP/IB courses are counted both in their specific columns and in columns that correspond to the general course category. For example, AP chemistry is included in the "any chemistry" column in addition to being listed in its own column. Before 1998, AP and IB courses were coded with the general set of courses.

SOURCE: U.S. Department of Education, National Center for Education Statistics, High School Transcript Studies, various years.

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