

Appendix table 1-16

High school graduates who attended schools offering advanced science courses, by student and school characteristics: Selected years, 1990–2003

(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	99.1	NA	97.4	NA	93.0	NA	90.2	NA
1994 graduates	99.0	NA	97.0	NA	96.7	NA	93.3	NA
1998 graduates	98.0	39.4	94.6	27.3	95.5	46.3	90.6	NA
2000 graduates								
Overall.....	99.5	57.1	99.2	46.8	96.4	66.5	96.1	9.9
Race/ethnicity								
White	99.9	54.5	99.5	41.1	96.8	63.7	96.5	8.3
Black.....	99.6	58.6	99.6	58.0	97.4	70.5	97.4	12.1
Hispanic.....	97.4	62.6	97.4	55.2	92.9	73.6	92.9	12.3
Asian/Pacific Islander ...	98.5	77.3	98.5	67.6	95.7	74.4	95.7	17.3
Other.....	99.0	51.2	98.6	66.6	98.1	72.3	97.7	4.1
School sector								
Public.....	99.4	58.1	99.2	48.6	96.4	66.2	96.2	10.4
Private	100.0	45.2	99.2	26.0	96.2	70.7	95.4	3.4
Community type								
Urban.....	100.0	65.2	100.0	62.0	97.4	74.9	97.4	17.6
Suburban	98.9	65.9	98.8	51.4	96.0	74.8	95.8	9.5
Rural.....	100.0	30.3	99.2	21.1	96.1	40.4	95.3	2.5
Size (enrollment)								
Small (1–599)	96.9	26.8	95.5	9.0	89.8	32.4	88.4	0.0
Medium (600–1,799) ...	100.0	53.4	100.0	45.3	97.8	67.9	97.8	10.3
Large (≥1,800)	100.0	83.5	100.0	73.6	97.9	85.5	97.9	15.3
Poverty rate ^a								
Very low.....	100.0	75.8	99.7	61.4	98.8	83.8	98.5	9.3
Low.....	100.0	52.0	100.0	44.6	95.3	61.2	95.3	13.2
Medium.....	100.0	47.2	99.1	43.5	98.5	67.2	97.6	11.1
High.....	96.0	52.9	96.0	45.2	90.4	60.6	90.4	8.2

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%.

NOTE: AP and IB courses coded separately in 1998 and 2000 but not in prior years.

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.