

Table 406.—Instructional practices and time spent teaching science in 8th-grade, by country: 1994–95

Country	Percent of students whose teachers report using each organizational approach "most or every lesson"						Average number of hours science is taught weekly to science classes							
	Work together as a class and students respond to one another	Work together as a class and teacher teaches whole class	Work individually with assistance from teacher	Work individually without assistance from teacher	Work in pairs or groups with assistance from teacher	Work in pairs or groups without assistance from teacher	Less than 2 hours		At least 2, but less than 3.5 hours		At least 3.5, but less than 5 hours		5 hours or more	
							Percent	Mean score	Percent	Mean score	Percent	Mean score	Percent	Mean score
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Australia ¹	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Austria ¹	² 3	² 65	² 13	² 3	² 18	² 12	—	—	—	—	—	—	—	—
Belgium (Flemish)	² 11	² 62	² 19	² 6	² 13	² 7	—	—	—	—	—	—	—	—
Belgium (French) ¹	³ 11	³ 53	³ 24	³ 8	³ 8	³ 4	—	—	—	—	—	—	—	—
Bulgaria ¹	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Canada	³ 17	² 28	² 26	² 23	² 33	³ 24	² 11 (2.1)	512 (8.9)	69 (3.9)	540 (3.8)	11 (2.5)	528 (5.5)	8 (2.1)	517 (10.3)
Colombia ¹	² 33	² 48	² 55	² 10	² 43	² 13	² 6 (2.3)	416 (4.5)	75 (4.2)	415 (5.6)	13 (3.2)	404 (5.5)	6 (2.4)	403 (18.6)
Cyprus	³ 3	³ 74	³ 35	³ 3	³ 17	³ 6	⁴	—	—	—	—	—	—	—
Czech Republic	11	70	² 46	15	14	4	—	—	—	—	—	—	—	—
Denmark ¹	³ 2	³ 22	³ 25	³ 3	³ 46	³ 13	—	—	—	—	—	—	—	—
England ¹	—	—	—	—	—	—	—	—	—	—	—	—	—	—
France	16	57	34	16	27	12	—	—	—	—	—	—	—	—
Germany ¹	³ 30	³ 69	³ 28	³ 7	³ 19	³ 5	—	—	—	—	—	—	—	—
Greece ¹	3	67	45	10	13	1	—	—	—	—	—	—	—	—
Hong Kong	12	45	35	2	44	13	7 (2.3)	492 (29.9)	82 (3.9)	526 (5.3)	9 (3.3)	518 (8.6)	2 (1.6)	—
Hungary	7	80	54	13	11	2	—	—	—	—	—	—	—	—
Iceland	³ 1	² 35	² 30	² 9	² 16	² 6	—	—	—	—	—	—	—	—
Iran, Islamic Republic	25	57	36	2	25	11	—	—	—	—	—	—	—	—
Ireland	³ 7	³ 62	³ 25	³ 6	³ 20	³ 6	³ 4 (1.9)	578 (16.5)	94 (2.1)	540 (6.2)	2 (0.8)	—	0 (0.0)	—
Israel ¹	³ 17	² 41	² 30	² 15	² 32	² 18	³ 19 (7.9)	547 (19.6)	77 (7.2)	520 (9.1)	4 (3.5)	529 (0.0)	0 (0.0)	—
Japan	19	79	12	8	12	6	5 (1.6)	618 (15.2)	94 (1.7)	569 (1.5)	0 (0.0)	—	1 (0.6)	—
Korea	34	83	28	8	15	3	43 (2.9)	569 (3.3)	51 (3.2)	561 (3.1)	1 (0.8)	—	5 (2.3)	568 (12.7)
Kuwait ¹	² 9	² 46	² 45	² 0	² 36	² 2	² 3 (2.6)	409 (1.9)	97 (2.6)	426 (4.4)	1 (0.5)	—	0 (0.0)	—
Latvia (Latvian-speaking schools) ¹	³ 25	³ 84	³ 59	³ 32	³ 24	³ 8	—	—	—	—	—	—	—	—
Lithuania ¹	² 16	² 60	² 22	² 26	² 8	² 8	—	—	—	—	—	—	—	—
Netherlands ¹	² 5	² 63	² 36	² 23	² 25	² 18	—	—	—	—	—	—	—	—
New Zealand	15	41	33	26	44	20	1 (0.9)	—	52 (4.1)	527 (6.3)	47 (4.2)	525 (6.6)	0 (0.0)	—
Norway	³ 24	³ 62	³ 23	³ 1	³ 23	³ 4	³ 27 (4.9)	526 (3.0)	73 (4.9)	524 (2.6)	1 (0.6)	—	0 (0.0)	—
Portugal	14	66	54	3	54	5	—	—	—	—	—	—	—	—
Romania ¹	15	86	47	8	27	² 2	—	—	—	—	—	—	—	—
Russian Federation	9	68	43	21	13	7	—	—	—	—	—	—	—	—
Scotland ¹	³ 7	³ 22	³ 27	³ 11	³ 56	³ 19	³ 14 (3.1)	538 (23.4)	83 (3.6)	519 (4.8)	3 (1.7)	488 (22.5)	0 (0.0)	—
Singapore	12	59	41	17	40	19	0 (0.0)	—	24 (4.4)	618 (14.6)	76 (4.4)	603 (6.0)	0 (0.0)	—
Slovak Republic	² 48	² 64	² 45	² 15	² 3	² 1	—	—	—	—	—	—	—	—
Slovenia ¹	² 7	² 65	² 19	² 34	² 13	² 13	—	—	—	—	—	—	—	—
South Africa ¹	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spain	² 14	² 65	² 46	² 14	² 18	² 7	² 5 (2.6)	532 (2.5)	84 (3.9)	518 (2.1)	11 (3.0)	502 (9.4)	1 (0.7)	—
Switzerland ¹	³ 3	³ 56	³ 21	³ 6	³ 30	³ 8	³ 41 (4.7)	532 (6.6)	37 (4.4)	524 (8.4)	9 (3.1)	486 (13.7)	13 (3.5)	519 (15.6)
Thailand ¹	² 16	² 38	² 33	² 10	² 32	² 11	—	—	—	—	—	—	—	—
United States	—	—	—	—	—	—	—	—	—	—	—	—	—	—

¹ Countries not meeting all International Association for the Evaluation of Educational Achievement's sampling specifications.

² Teacher response data available for 70 to 84 percent of students.

³ Teacher response available for 50 to 69 percent of students.

—Data not available or not applicable.

NOTE.—Data are for 8th grade or equivalent in most countries. Standard errors appear in parentheses.

SOURCE: International Association for the Evaluation of Educational Achievement, *Science Achievement in the Middle School Years: IEA's Third International Mathematics and Science Study*, 1997, by Albert E. Beaton et al. Copyright © 1996 Boston College, Chestnut Hill, MA. (This table was prepared June 1997.)