WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
-- Total --	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	
	289.5(1.0)@	283.3(1.2)	288.5(1.4)	290.4(1.1)	294.1(1.3)	294.0(1.6)	295.7(1.2)	LQ
Gender								
Male	49.5(0.7)	48.4(0.7)	49.0(1.2)	48.6(0.9)	50.7(1.2)	49.3(1.3)	49.5(1.2)	
	297.0(1.2)	291.9(1.4)	294.9(1.9)	295.6(1.3)	299.1(1.7)	299.5(2.0)	299.7(1.6)	LQ
Female	50.5(0.7)	51.6(0.7)	51.0(1.2)	51.4(0.9)	49.3(1.2)	50.3(1.3)	50.4(1.2)	
	282.2(1.1)@	275.2(1.3)	282.3(1.5)	285.4(1.6)	289.0(1.5)	288.9(1.7)	291.8(1.4)	LQ
Race/Ethnicity								
White	83.4(1.3)@	80.7(2.0)	77.6(0.5)	73.3(0.5)	74.6(0.5)	71.7(0.6)	71.1(0.7)	
	297.7(0.7)@	293.1(1.0)	297.5(1.7)	300.9(1.1)	304.2(1.3)	306.0(1.5)	306.8(1.2)	LQ
Black	11.6(1.1)@	12.5(1.4)	14.3(0.3)	15.6(0.3)	14.8(0.3)	15.3(0.3)	15.2(0.3)	
	240.2(1.5)@	234.7(1.7)	252.8(2.9)	253.0(4.5)	256.2(3.2)	256.8(3.1)	260.3(2.4)	L
Hispanic	3.7(0.9)@	4.5(1.1)	5.5(0.3)	6.9(0.4)	7.4(0.5)	8.7(0.3)	9.2(0.7)	
	262.3(2.2)	248.7(2.3)	259.3(3.8)	261.5(4.4)	270.2(5.6)	261.4(6.7)	269.3(3.3)	L
Other	1.4(0.2)	2.2(0.7)	2.6(0.4)	4.2(0.5)	3.1(0.2)	3.2(0.3)	4.0(0.7)	
	284.4(4.0)	269.1(5.2)	276.8(11.2)	292.0(5.6)	288.4(4.8)	290.7(8.2)	294.6(8.0)	
Grade								
Below Modal Grade	14.4(0.6)@	15.5(1.0)	16.8(0.9)	21.7(1.0)	23.9(1.1)	20.6(1.6)	23.8(1.2)	
	253.2(1.4)@	250.8(2.2)	259.2(2.7)	260.5(2.0)	262.9(2.6)	262.4(3.4)	271.0(2.4)	L
At Modal Grade	74.9(0.6)@	75.1(1.0)	75.3(1.2)	70.2(1.0)	70.1(1.0)	73.1(1.7)	70.6(1.2)	
	294.9(0.9)@	288.8(1.1)	294.0(1.6)	298.7(1.0)	303.8(1.2)	302.1(1.3)	303.6(1.6)	LQ
Above Modal Grade	10.7(0.5)@	9.4(0.7)	7.9(0.7)	8.1(0.6)	6.1(0.5)	6.3(0.6)	5.5(0.6)	
	300.7(1.5)	292.5(2.6)	298.6(4.3)	298.3(2.5)	304.7(4.1)	302.9(4.2)	301.0(4.4)	

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L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
Region								
Northeast	24.1(1.7)	24.8(3.0)	23.7(0.8)	22.1(1.0)	21.6(0.9)	22.7(1.0)	23.4(2.7)	
	296.3(2.2)	284.4(2.0)	292.2(4.3)	292.6(3.2)	300.1(2.4)	298.9(4.2)	296.0(3.3)	
Southeast	18.4(1.0)	21.1(2.4)	22.9(2.3)	24.3(0.9)	24.6(1.4)	24.6(1.5)	22.4(2.9)	
	276.4(1.9)@	276.3(2.7)	283.5(2.0)	283.6(2.4)	283.0(2.5)	287.8(2.8)	287.8(3.1)	L
Central	33.4(1.6)@	29.5(3.9)	27.7(2.2)	25.9(0.9)	25.0(1.0)	25.5(1.1)	24.5(0.9)	
	294.0(1.5)@	289.3(2.6)	294.4(2.3)	299.6(3.0)	304.2(2.7)	297.8(3.7)	307.3(2.6)	L
West	24.1(1.9)	24.6(2.6)	25.7(0.9)	27.7(0.9)	28.9(0.9)	27.1(1.0)	29.7(2.3)	
	286.5(1.5)	280.9(2.7)	283.2(3.8)	285.8(2.3)	290.4(3.8)	291.8(4.1)	291.7(2.4)	L
Type Of Location								
Central City	0.0(****)	0.0(****)	0.0(****)	0.0(****)	0.0(****)	29.6(2.5)	36.9(4.8)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	285.6(4.0)	287.6(2.9)	NA
Urban Fringe/Large Tow	0.0(****)	0.0(****)	0.0(****)	0.0(****)	0.0(****)	43.7(3.8)	37.9(4.7)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	297.4(2.2)	302.2(2.1)	NA
Rural/Small Town	0.0(****)	0.0(****)	0.0(****)	0.0(****)	0.0(****)	26.6(4.2)	25.1(4.5)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	297.6(2.5)	297.8(3.5)	NA
Parents' Education Level								
Less than H.S.	15.2(0.9)@	12.8(0.7)	8.3(0.4)	7.9(0.6)	8.1(0.6)	7.0(0.5)	6.4(0.7)	
	265.3(1.3)	258.5(2.4)	257.5(3.1)	261.4(2.8)	262.0(3.8)	255.8(4.2)	259.3(4.0)	
Graduated H.S.	33.1(0.6)@	28.7(0.9)	27.9(1.1)	26.4(1.1)	21.4(0.9)	22.1(0.8)	21.1(1.1)	
	284.4(0.8)	275.2(1.6)	277.0(2.0)	276.3(1.4)	280.2(2.4)	279.2(1.7)	282.2(2.5)	Q
Some Educ After H.S.	17.0(0.4)@	21.5(0.6)	24.1(1.0)	23.8(0.9)	25.4(0.9)	23.5(1.1)	24.1(1.1)	
	295.6(1.1)	290.1(1.7)	295.1(2.5)	296.5(1.6)	295.9(1.7)	294.8(1.9)	297.1(1.9)	
Graduated College	30.2(1.2)@	32.4(1.4)	36.9(1.2)	38.9(1.4)	42.6(1.4)	44.4(1.5)	46.4(1.5)	
	309.3(1.0)	300.2(1.7)	303.8(2.1)	305.5(1.7)	308.3(1.3)	310.6(1.6)	307.8(1.5)	Q
Unknown	4.4(0.4)@	4.7(0.8)	2.8(0.3)	3.0(0.4)	2.5(0.3)	3.1(0.3)	2.0(0.2)	
	252.6(3.2)	251.6(3.9)	245.4(5.5)	248.2(5.5)	257.6(7.4)	246.7(6.7)	257.6(8.1)	

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
Type Of School								
Public	93.6(1.8)	90.1(2.0)	96.0(1.4)	92.8(1.8)	90.2(2.4)	87.8(2.3)	91.4(1.7)	
	288.2(1.0)@	282.3(1.1)	287.1(1.6)	289.0(1.1)	292.2(1.3)	291.7(1.5)	294.9(1.2)	LQ
Non−Public	6.4(1.8)	9.9(2.0)	4.0(1.4)	7.2(1.8)	8.6(2.1)	12.2(2.3)	8.6(1.7)	
	308.4(2.4)	292.0(2.9)	321.3(10.1)	307.8(6.6)	311.7(3.7)	310.4(4.8)	303.6(5.5)	
Quartiles								
Upper	25.0(0.8)	24.9(0.9)	25.0(1.3)	25.0(0.9)	24.9(1.1)	25.0(1.2)	24.9(1.2)	
	333.6(0.9)@	328.9(1.0)	339.9(1.1)	344.3(0.7)	346.4(0.7)	346.0(0.9)	347.4(1.7)	L
Middle two	50.0(0.5)	50.1(1.1)	50.0(1.2)	50.1(0.8)	50.1(1.0)	50.0(1.3)	50.1(1.0)	
	291.2(0.5)@	286.1(0.7)	289.6(0.7)	291.6(0.7)	295.3(1.0)	296.2(0.7)	297.7(1.0)	LQ
Lower	25.0(0.9)	25.0(1.3)	25.0(1.6)	25.0(1.0)	25.0(1.0)	25.0(1.3)	25.0(0.9)	
	242.0(0.8)	232.1(1.3)	234.7(1.3)	234.0(1.2)	239.6(1.9)	237.5(1.7)	240.2(1.5)	Q
TELEVISION WATCHED/DAY								
0 − 2 HOURS	*****(****)	*****(****)	44.6(1.3)@	50.6(1.2)	53.1(1.4)	53.2(1.7)	53.6(1.2)	
	*****(****)	*****(****)	298.2(2.0)@	301.2(1.4)	305.0(1.2)	304.5(1.7)	306.4(1.4)	L
3 − 5 HOURS	*****(****)	*****(****)	46.6(1.2)@	40.9(1.1)	40.0(1.1)	38.6(1.3)	39.3(1.1)	
	*****(****)	*****(****)	284.3(1.6)	283.4(1.6)	285.3(1.8)	286.3(1.8)	287.7(1.5)	
6 HOURS OR MORE	*****(****)	*****(****)	8.8(0.6)	8.5(0.5)	6.9(0.5)	8.2(0.7)	7.1(0.5)	
	*****(****)	*****(****)	264.8(2.6)	260.8(2.8)	261.8(4.3)	263.9(3.5)	260.4(2.8)	
RULES CONCERNING TELEVISION VIEWING								
HAVE RULES	*****(****)	*****(****)	11.1(0.6)	12.5(0.7)	11.6(0.7)	11.9(0.6)	11.9(0.6)	
	*****(****)	*****(****)	282.5(3.4)@	288.7(2.7)	294.1(3.3)	292.2(3.9)	294.1(2.8)	L
DO NOT HAVE RULES	*****(****)	*****(****)	88.9(0.6)	87.5(0.7)	88.4(0.7)	88.1(0.6)	88.1(0.6)	
	*****(****)	*****(****)	289.7(1.3)@	290.8(1.1)	294.2(1.3)	294.4(1.5)	296.0(1.2)	L

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
MOTHER'S EDUCATION								
LESS THAN H.S.	*****(****)	21.7(0.8)@	14.4(0.7)	13.1(0.7)	13.0(1.0)	11.8(0.8)	11.1(0.9)	
	*****(****)	269.0(1.8)	265.9(2.7)	269.3(2.4)	270.8(3.2)	266.1(2.9)	268.8(2.7)	
GRADUATED H.S.	*****(****)	26.6(0.9)	37.0(1.1)	33.6(1.0)	30.0(1.0)	30.0(1.0)	29.3(1.1)	
	*****(****)	279.2(1.3)@	286.4(1.8)	284.9(1.6)	288.8(1.7)	288.9(1.4)	290.7(2.0)	L
SOME EDUC AFTER H.S	*****(****)	18.3(0.6)@	21.5(0.8)	23.3(0.7)	24.3(0.8)	23.1(1.0)	24.2(1.1)	
	*****(****)	293.0(1.3)@	298.7(2.1)	299.3(1.7)	300.1(1.5)	300.1(2.0)	301.0(1.6)	L
GRADUATED COLLEGE	*****(****)	25.8(1.4)@	22.3(1.2)	25.3(1.1)	28.6(1.1)	30.5(1.5)	32.0(1.4)	
	*****(****)	303.3(1.8)	304.9(2.5)	307.3(2.1)	309.9(1.5)	312.0(1.9)	309.4(1.9)	L
UNKNOWN	*****(****)	7.5(0.4)@	4.8(0.5)	4.6(0.4)	4.0(0.4)	4.6(0.5)	3.4(0.3)	
	*****(****)	253.1(3.3)	255.5(4.8)	255.0(4.0)	261.3(5.6)	252.9(5.3)	260.9(5.4)	
FATHER'S EDUCATION								
LESS THAN H.S.	*****(****)	19.9(0.9)@	15.7(0.6)	13.9(0.9)	12.3(0.7)	12.0(0.6)	10.7(0.9)	
	*****(****)	263.9(2.0)@	270.6(2.1)	274.1(2.5)	272.6(2.5)	269.9(2.8)	275.5(2.1)	L
GRADUATED H.S.	*****(****)	36.8(0.8)@	27.7(1.2)	27.0(1.1)	25.4(0.9)	24.7(1.0)	25.6(1.0)	
	*****(****)	284.1(1.5)	281.9(2.3)	281.5(1.5)	286.5(2.1)	285.6(2.0)	288.7(1.7)	
SOME EDUC AFTER H.S	*****(****)	20.0(0.7)	18.9(0.9)	19.5(0.9)	20.9(0.8)	20.3(0.9)	20.8(0.8)	
	*****(****)	294.4(1.7)@	298.9(2.9)	301.2(1.6)	300.4(1.7)	300.9(1.7)	302.3(2.0)	L
GRADUATED COLLEGE	*****(****)	19.2(0.8)@	29.7(1.3)	30.8(1.3)	33.3(1.3)	34.2(1.7)	35.9(1.4)	
	*****(****)	298.7(2.0)@	306.9(2.3)	308.5(1.8)	310.6(1.4)	313.5(1.9)	310.3(1.7)	L
UNKNOWN	*****(****)	4.1(0.3)@	7.9(0.4)	8.9(0.7)	8.0(0.4)	8.9(0.5)@	7.1(0.4)	
	*****(****)	255.0(4.6)	256.5(3.5)	257.2(3.9)	266.3(3.7)	260.6(4.1)	259.5(3.4)	

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
TIME WORKED AT PART−TIME JOB								
NONE	*****(****)	*****(****)	41.4(1.7)	44.3(1.2)	46.9(1.2)	48.3(1.4)	45.4(1.3)	
	*****(****)	*****(****)	289.5(1.9)@	292.0(1.8)	294.9(1.6)	296.5(2.0)	297.7(1.9)	L
< 6 HOURS	*****(****)	*****(****)	7.2(0.6)	6.0(0.4)	7.2(0.5)	8.2(0.5)	7.3(0.5)	
	*****(****)	*****(****)	295.6(4.3)	300.6(3.6)	302.1(3.6)	299.8(4.6)	307.3(3.5)	
6 TO 10 HOURS	*****(****)	*****(****)	8.3(0.6)	9.1(0.5)	10.1(0.7)	9.4(0.5)	9.9(0.6)	
	*****(****)	*****(****)	291.6(3.6)@	297.7(3.5)	302.4(2.7)	304.3(3.0)	306.5(2.8)	L
11 TO 15 HOURS	*****(****)	*****(****)	8.2(0.6)	9.4(0.5)	11.5(0.5)	10.0(0.6)	9.8(0.6)	
	*****(****)	*****(****)	296.3(3.4)	301.4(2.9)	303.4(3.0)	301.7(2.8)	304.2(2.6)	
16 TO 20 HOURS	*****(****)	*****(****)	11.3(0.7)	13.8(0.6)	11.4(0.5)	11.6(0.5)	12.4(0.7)	
	*****(****)	*****(****)	298.0(2.7)	298.3(2.2)	300.3(2.6)	303.5(3.2)	301.2(2.5)	
21 TO 25 HOURS	*****(****)	*****(****)	6.7(0.5)	8.4(0.5)	7.1(0.6)	6.3(0.4)	8.3(0.6)	
	*****(****)	*****(****)	294.6(3.8)	293.8(2.9)	293.8(2.8)	298.9(2.7)	293.2(3.5)	
26 TO 30 HOURS	*****(****)	*****(****)	4.1(0.4)	5.4(0.4)	3.5(0.4)	3.8(0.4)	4.0(0.4)	
	*****(****)	*****(****)	290.5(3.7)	284.5(3.1)	294.1(4.8)	290.3(4.0)	292.5(4.2)	
> 30 HOURS	*****(****)	*****(****)	2.6(0.3)	3.6(0.3)	2.3(0.3)	2.4(0.3)	2.8(0.4)	
	*****(****)	*****(****)	283.9(4.0)	281.9(3.7)	288.6(7.0)	280.1(6.4)	280.2(6.2)	
MOTHER/STEPMOTHER EMPLOYMENT								
HAS A FULL−TIME JOB	*****(****)	*****(****)	42.9(1.2)@	59.7(1.2)	59.9(1.1)	62.2(1.1)	63.4(1.3)	
	*****(****)	*****(****)	293.5(1.7)@	294.0(1.3)	299.4(1.4)	301.2(1.3)	301.6(1.6)	L
HAS A PART−TIME JOB	*****(****)	*****(****)	14.0(0.5)@	16.3(0.9)	17.0(0.8)	15.8(1.0)	16.8(0.9)	
	*****(****)	*****(****)	299.8(2.3)	306.4(2.3)	306.0(2.5)	305.6(2.4)	307.1(2.4)	
DOES NOT HAVE A JOB	*****(****)	*****(****)	21.7(0.9)@	21.0(0.9)	19.8(1.0)	18.8(0.8)	17.1(0.8)	
	*****(****)	*****(****)	291.8(2.1)	297.3(2.1)	299.5(2.3)	298.1(3.8)	297.5(2.4)	
MTHR LIVES ELSEWHERE	*****(****)	*****(****)	2.0(0.2)	2.9(0.3)	3.3(0.3)	3.2(0.4)	2.7(0.3)	
	*****(****)	*****(****)	285.5(8.7)	289.4(4.6)	283.3(5.4)	291.5(4.6)	292.3(8.5)	

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
FATHER/STEPFATHER EMPLOYMENT								
HAS A PART−TIME JOB	*****(****)	*****(****)	64.7(1.0)@	82.7(0.9)	80.9(0.8)	82.5(1.0)	83.0(0.8)	
	*****(****)	*****(****)	296.7(1.6)@	299.8(1.1)	303.6(1.1)	303.9(1.7)	305.0(1.3)	L
HAS A FULL−TIME JOB	*****(****)	*****(****)	2.0(0.2)	2.4(0.3)	2.9(0.3)	2.3(0.3)	2.5(0.3)	
	*****(****)	*****(****)	284.5(6.2)	277.5(6.6)	281.9(6.0)	287.2(5.8)	294.8(5.5)	
DOES NOT HAVE A JOB	*****(****)	*****(****)	5.0(0.5)	5.2(0.4)	5.4(0.5)	5.6(0.6)	5.1(0.4)	
	*****(****)	*****(****)	281.1(4.1)	280.7(4.3)	280.6(4.6)	285.1(4.6)	285.5(5.7)	
FTHR LIVES ELSEWHERE	*****(****)	*****(****)	8.2(0.4)	9.7(0.8)	10.8(0.6)	9.5(0.7)	9.5(0.6)	
	*****(****)	*****(****)	283.3(3.1)	284.0(3.2)	290.9(4.4)	291.5(3.2)	283.5(3.9)	
HIGH SCHOOL PROGRAM								
GENERAL	*****(****)	*****(****)	37.8(1.4)	36.9(1.2)	38.8(1.4)	37.0(1.4)	37.9(1.8)	
	*****(****)	*****(****)	274.3(1.6)@	273.0(1.6)	273.8(1.6)	277.1(2.1)	280.7(1.4)	LQ
ACADEMIC/COLLEGE PREP	*****(****)	*****(****)	51.0(1.4)	54.4(1.3)	54.7(1.5)	57.3(1.6)	55.3(1.7)	
	*****(****)	*****(****)	303.7(1.8)@	307.0(1.4)	311.7(1.1)	308.5(1.5)	309.9(1.4)	L
VOCATIONAL/TECHNICAL	*****(****)	*****(****)	10.1(0.9)@	8.7(0.9)	6.5(0.5)	5.7(0.8)	6.9(0.8)	
	*****(****)	*****(****)	270.9(2.8)	267.3(3.5)	270.0(3.5)	267.0(4.8)	269.9(3.8)	
CURRENT ENGLISH CLASS								
NONE	*****(****)	*****(****)	2.8(0.5)	2.3(0.4)	2.0(0.3)	1.6(0.3)	2.3(0.5)	
	*****(****)	*****(****)	267.1(6.5)	266.9(6.7)	270.6(9.4)	275.2(10.0)	282.4(8.3)	
ADVNCD PLCMNT/HONORS	*****(****)	*****(****)	13.8(1.0)@	16.5(0.9)	16.8(0.9)	18.4(1.3)@	23.3(1.2)	
	*****(****)	*****(****)	307.0(2.1)@	315.8(2.5)	315.0(2.2)	314.4(2.2)	315.4(2.4)	
COLLEGE PREP	*****(****)	*****(****)	30.4(1.7)	29.8(1.6)	28.7(1.8)	29.1(1.7)	24.2(2.4)	
	*****(****)	*****(****)	303.9(2.6)	306.1(1.6)	310.5(1.4)	305.5(2.1)	306.5(2.5)	
GENERAL	*****(****)	*****(****)	49.9(1.6)	49.6(1.6)	50.9(1.6)	49.2(1.8)	48.9(2.0)	
	*****(****)	*****(****)	277.6(1.5)@	276.4(1.4)	281.1(2.1)	282.9(2.0)	283.5(1.4)	L
REMEDIAL	*****(****)	*****(****)	1.8(0.3)	1.9(0.2)	1.6(0.2)	1.7(0.3)	1.3(0.3)	
	*****(****)	*****(****)	255.8(7.4)	251.5(4.7)	249.1(6.2)	*****(****)	*****(****)	NA

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(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
CURRENTLY TAKING SCIENCE								
YES	*****(****)	*****(****)	64.1(1.5)@	71.7(1.1)	78.7(1.1)	78.0(1.5)	80.5(1.5)	
	*****(****)	*****(****)	294.8(1.8)@	296.1(1.3)	299.1(1.4)	299.4(1.6)	300.5(1.3)	L
NO	*****(****)	*****(****)	35.9(1.5)@	28.3(1.1)	21.3(1.1)	22.0(1.5)	19.5(1.5)	
	*****(****)	*****(****)	282.8(1.6)	282.3(1.7)	282.5(2.3)	281.6(2.8)	282.7(2.1)	
GENERAL SCIENCE COURSE								
HAVE TAKEN	*****(****)	*****(****)	83.2(1.3)	82.4(1.3)	84.3(1.0)	82.7(1.3)	84.7(1.6)	
	*****(****)	*****(****)	290.1(1.3)@	292.1(1.1)	295.6(1.3)	296.1(1.6)	297.1(1.2)	L
HAVE NOT TAKEN	*****(****)	*****(****)	16.8(1.3)	17.6(1.3)	15.7(1.0)	17.3(1.3)	15.3(1.6)	
	*****(****)	*****(****)	293.9(3.0)	294.0(2.9)	294.8(3.6)	298.3(3.3)	301.1(2.9)	
BIOLOGY COURSE								
HAVE TAKEN	*****(****)	*****(****)	87.8(1.0)@	88.9(0.9)	92.1(0.9)	92.6(0.9)	93.9(0.8)	
	*****(****)	*****(****)	293.5(1.5)@	295.6(1.0)	298.8(1.1)	299.9(1.2)	299.8(1.3)	L
HAVE NOT TAKEN	*****(****)	*****(****)	12.2(1.0)@	11.1(0.9)	7.9(0.9)	7.4(0.9)	6.1(0.8)	
	*****(****)	*****(****)	271.5(3.1)	268.4(3.8)	258.0(3.2)	255.0(4.3)	267.5(4.3)	
CHEMISTRY COURSE								
HAVE TAKEN	*****(****)	*****(****)	40.1(1.6)@	44.8(1.5)	48.8(1.7)	52.7(2.1)	55.7(1.6)	
	*****(****)	*****(****)	311.5(2.1)	316.4(1.4)	318.7(1.0)	315.0(1.7)	315.4(1.9)	
HAVE NOT TAKEN	*****(****)	*****(****)	59.9(1.6)@	55.2(1.5)	51.2(1.7)	47.3(2.1)	44.3(1.6)	
	*****(****)	*****(****)	277.3(1.2)	274.1(1.1)	274.5(1.5)	277.2(2.1)	276.9(1.6)	
PHYSICS COURSE								
HAVE TAKEN	*****(****)	*****(****)	11.2(0.9)	14.1(1.5)	13.6(1.1)	17.7(1.2)	14.2(1.1)	
	*****(****)	*****(****)	296.1(4.7)	303.5(3.7)	306.4(3.9)	313.7(2.9)	308.5(3.0)	L
HAVE NOT TAKEN	*****(****)	*****(****)	88.8(0.9)	85.9(1.5)	86.4(1.1)	82.3(1.2)	85.8(1.1)	
	*****(****)	*****(****)	289.8(1.4)@	290.6(1.0)	293.7(1.3)	293.3(1.4)	295.9(1.5)	L

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(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
PARTICIPATION IN LITTER CLEAN−UP PROJECT								
MANY TIMES	8.9(0.9)	12.8(0.8)	8.4(0.7)	7.6(0.6)	8.5(0.7)	8.6(0.6)	10.2(1.0)	
	283.8(5.9)	274.3(4.4)	277.2(5.3)	282.8(5.9)	300.0(4.1)	305.5(5.9)	295.9(4.8)	L
NOT OFTEN, > 2 TIMES	27.0(1.1)@	28.6(1.4)	16.2(1.1)	18.8(1.0)	21.3(0.8)	22.6(1.2)	19.3(1.2)	
	289.2(2.6)	283.7(3.2)	287.9(3.3)	297.1(3.6)	298.2(4.6)	304.7(3.0)	297.3(2.6)	L
1 OR 2 TIMES	38.3(1.1)	39.2(1.4)	35.6(1.5)	38.1(1.2)	38.1(1.1)	36.9(1.1)	40.4(1.3)	
	291.3(2.1)	281.4(2.5)	292.3(2.4)	298.5(2.3)	298.4(2.1)	297.4(2.3)	298.5(2.2)	L
NEVER	25.8(1.1)	19.4(1.7)	39.8(1.6)	35.6(1.6)	32.0(1.1)	31.9(1.5)	30.1(1.8)	
	284.9(2.3)	273.1(3.9)	287.2(3.1)	285.4(2.5)	286.9(2.7)	281.5(2.8)	283.5(2.5)	
SEPARATE TRASH FOR RECYCLING								
MANY TIMES	8.9(0.6)@	17.7(1.3)	15.4(1.3)	28.3(1.3)	43.3(1.9)	45.3(1.9)	43.2(2.1)	
	286.0(3.6)@	277.1(4.2)	288.1(3.7)	301.4(2.8)	304.4(1.7)	303.7(2.7)	301.7(2.7)	L
NOT OFTEN, > 2 TIMES	14.0(0.9)@	20.7(1.2)	17.6(0.8)	19.1(1.0)	19.3(1.2)	21.5(1.0)	21.7(0.9)	
	289.1(4.0)	280.9(3.4)	291.9(3.3)	297.1(2.9)	298.8(4.2)	295.3(3.0)	295.7(2.7)	L
1 OR 2 TIMES	22.9(1.0)	28.7(1.1)	26.9(2.0)	24.0(1.0)	20.2(1.3)	17.6(1.0)	19.8(1.4)	
	289.6(3.0)	282.4(3.3)	293.6(2.1)	291.5(2.7)	286.6(3.5)	287.0(3.3)	286.2(3.5)	
NEVER	54.2(1.7)@	32.9(1.7)	40.1(2.0)	28.6(1.8)	17.2(1.0)	15.7(1.2)	15.2(1.1)	
	288.3(2.0)@	277.5(3.7)	283.6(2.7)	281.4(3.7)	276.0(3.3)	276.4(4.2)	276.5(3.4)	l
HOW MUCH CAN SCIENCE PREVENT STARVATION								
NONE	4.8(0.4)@	5.2(0.6)	9.2(0.8)	10.6(0.8)	11.6(0.9)	14.7(1.1)	13.1(0.9)	
	256.5(6.1)@	271.2(7.0)	264.9(4.2)	272.7(3.1)	277.2(3.5)	277.8(3.5)	275.6(3.6)	L
SOME	44.7(1.0)@	55.4(1.5)	57.7(1.3)	60.4(1.4)	59.6(1.3)	61.9(1.2)	63.3(1.3)	
	279.2(1.9)@	281.7(2.2)	282.3(1.8)	288.3(2.3)	292.0(2.1)	292.9(1.9)	292.4(2.1)	L
VERY MUCH	50.5(1.2)@	39.4(1.3)	33.1(1.3)	29.0(1.3)	28.9(1.2)	23.4(1.4)	23.6(1.1)	
	298.0(1.9)@	289.2(2.7)	305.1(2.7)	308.3(3.0)	307.8(2.9)	310.4(4.1)	306.5(2.8)	L

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
HOW MUCH CAN SCIENCE PREVENT ENERGY SHORTAGE								
NONE	2.5(0.3)	2.0(0.3)	3.1(0.5)	2.8(0.4)	2.3(0.4)	2.8(0.4)	2.3(0.4)	
	252.8(8.0)	*****(****)	247.3(5.7)	*****(****)	*****(****)	*****(****)	*****(****)	NA
SOME	27.2(1.0)	33.1(1.2)	26.3(1.3)	23.4(1.3)	20.6(0.8)	22.0(1.2)	23.5(1.3)	
	272.7(2.5)	278.0(2.4)	272.2(3.2)	272.9(2.7)	270.4(2.7)	273.7(3.3)	269.9(2.9)	
VERY MUCH	70.3(1.0)@	64.9(1.2)	70.7(1.3)	73.8(1.5)	77.1(0.9)	75.3(1.4)	74.2(1.2)	
	294.6(1.7)@	287.7(2.1)	296.0(1.9)	300.7(2.0)	303.1(1.7)	302.8(2.1)	302.5(1.7)	L
HOW MUCH CAN SCIENCE FIND CURES FOR DISEASES								
NONE	0.9(0.2)	1.1(0.3)	1.5(0.4)	1.7(0.4)	1.4(0.3)	2.0(0.4)	1.7(0.4)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA
SOME	14.0(0.8)	15.3(0.8)	15.9(1.1)	13.9(0.8)	11.9(0.9)	12.6(1.1)	11.6(1.0)	
	262.8(2.7)	271.3(4.3)	264.6(4.2)	267.6(3.7)	263.4(4.5)	263.1(3.9)	270.3(5.5)	
VERY MUCH	85.1(0.8)	83.6(0.8)	82.6(1.1)	84.4(0.9)	86.7(0.9)	85.4(1.3)	86.7(0.9)	
	292.2(1.6)@	286.7(2.0)	294.1(2.0)	297.6(2.0)	300.0(1.6)	300.9(2.0)	297.7(1.7)	L
HOW MUCH CAN SCIENCE CONTROL WEATHER								
NONE	39.7(1.3)@	46.2(1.5)	47.6(1.2)	50.0(1.6)	45.0(1.3)	47.8(1.7)	49.1(1.7)	
	277.3(2.0)@	281.4(2.3)	284.1(2.3)	291.9(2.4)	294.5(2.1)	296.2(2.5)	293.2(2.6)	L
SOME	44.3(1.2)@	43.3(1.3)	33.7(1.2)	33.6(1.1)	34.6(1.2)	34.0(1.5)	33.4(1.2)	
	293.9(1.9)	287.1(2.7)	290.4(2.9)	292.1(3.0)	292.3(2.2)	290.8(3.2)	292.4(2.2)	
VERY MUCH	16.0(0.8)	10.5(0.7)	18.7(0.8)	16.4(1.0)	20.4(0.7)	18.1(1.1)	17.6(1.6)	
	296.2(2.7)	284.0(5.1)	295.0(3.1)	294.4(3.5)	299.7(3.0)	297.8(3.1)	297.0(3.2)	
HOW MUCH CAN SCIENCE PREVENT WARS								
NONE	49.9(1.3)@	49.3(1.4)	46.6(1.2)	52.7(1.0)	49.7(1.6)	53.6(1.4)	54.4(1.3)	
	284.3(2.4)	283.3(3.0)	282.1(1.9)	288.3(2.5)	290.5(2.2)	288.7(2.4)	287.8(1.8)	
SOME	40.8(1.2)	40.4(1.4)	39.5(1.6)	38.1(1.1)	39.7(1.5)	38.3(1.4)	38.1(1.1)	
	293.3(1.8)@	284.7(2.6)	296.9(3.2)	299.7(2.5)	301.8(2.8)	303.9(2.6)	304.1(2.5)	L
VERY MUCH	9.3(0.7)	10.3(1.0)	14.0(0.9)	9.3(0.7)	10.6(0.8)	8.1(0.9)	7.6(0.6)	
	281.1(3.3)	285.5(4.9)	284.2(3.4)	284.8(5.0)	289.1(5.9)	289.7(6.8)	281.7(4.5)	

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
HOW MUCH CAN SCIENCE PREVENT BIRTH DEFECTS								
NONE	8.9(0.7)@	6.9(0.7)	8.0(0.7)	8.3(0.8)	6.2(0.6)	6.8(0.7)	5.3(0.5)	
	261.0(3.9)	268.3(6.2)	250.5(4.2)	260.0(4.3)	253.7(4.4)	248.5(6.4)	263.3(5.7)	
SOME	46.7(1.1)@	52.8(1.4)	40.6(1.3)	40.0(1.3)	41.4(0.9)	38.3(1.5)	41.7(1.4)	
	284.0(2.0)	283.9(2.3)	281.0(2.5)	283.5(2.9)	287.5(2.1)	286.5(2.9)	286.4(2.6)	
VERY MUCH	44.3(1.2)@	40.3(1.3)	51.4(1.3)	51.7(1.5)	52.5(0.9)	54.9(1.7)	53.0(1.3)	
	296.7(1.9)	287.1(3.0)	299.9(2.4)	304.7(1.8)	305.9(2.0)	306.1(2.0)	302.3(1.7)	L
HOW MUCH CAN SCIENCE SAVE NATURAL RESOURCES								
NONE	5.4(0.4)	4.6(0.6)	3.7(0.5)	3.4(0.4)	3.6(0.5)	4.6(0.6)	3.9(0.6)	
	284.3(5.5)	281.1(6.1)	277.8(7.2)	262.2(6.7)	272.9(7.4)	273.0(7.9)	271.6(9.5)	
SOME	46.5(1.1)@	52.9(1.3)	41.5(1.3)	35.4(1.0)	32.6(1.1)	36.4(1.1)	36.8(1.3)	
	282.5(1.9)	282.6(2.2)	283.6(2.3)	288.2(2.9)	286.6(2.5)	291.2(2.9)	289.5(2.7)	L
VERY MUCH	48.2(1.2)@	42.5(1.1)	54.8(1.4)	61.2(1.1)	63.8(1.3)	59.0(1.3)	59.4(1.3)	
	292.9(2.0)	286.5(2.9)	292.6(2.3)	296.9(2.2)	300.8(1.7)	298.4(2.3)	297.5(1.9)	L
HOW MUCH CAN SCIENCE REDUCE POLLUTION								
NONE	5.1(0.5)	4.7(0.6)	5.0(0.7)	5.2(0.5)	4.6(0.6)	4.0(0.5)	4.5(0.6)	
	249.8(5.8)	272.0(5.8)	254.1(4.9)	262.5(6.0)	255.4(4.1)	257.1(6.5)	259.5(8.2)	
SOME	40.6(1.0)@	48.0(1.5)	38.0(1.4)	35.6(1.1)	31.5(1.4)	32.6(1.1)	35.5(1.2)	
	281.8(1.7)	279.4(2.5)	282.1(2.4)	284.8(2.9)	284.3(2.3)	284.8(2.6)	286.3(2.8)	
VERY MUCH	54.3(1.2)@	47.3(1.3)	56.9(1.4)	59.2(1.2)	63.8(1.3)	63.4(1.3)	60.0(1.2)	
	295.5(1.8)	290.1(2.3)	295.5(2.5)	299.6(2.2)	302.8(1.9)	302.1(2.5)	300.5(1.8)	L
HOW MUCH CAN SCIENCE REDUCE OVERPOPULATION								
NONE	26.8(1.2)@	36.2(1.5)	39.7(1.3)	43.8(1.5)	42.0(1.2)	42.0(1.6)	42.1(1.5)	
	271.3(3.1)@	278.8(2.9)	279.2(2.2)	283.2(2.6)	286.0(2.5)	287.7(2.6)	286.5(2.0)	L
SOME	51.4(1.3)@	48.1(1.1)	44.7(1.2)	43.5(1.4)	44.3(1.0)	45.1(1.4)	44.2(1.6)	
	292.6(1.9)	286.8(1.8)	292.0(1.9)	300.3(2.3)	299.4(1.9)	299.2(2.3)	297.8(2.6)	L
VERY MUCH	21.8(0.8)@	15.7(1.1)	15.6(0.6)	12.7(0.8)	13.7(1.0)	12.9(0.9)	13.8(0.8)	
	295.9(2.0)	288.3(3.5)	299.9(4.6)	297.7(4.0)	306.4(3.0)	301.2(4.8)	301.4(4.5)	L

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
SCIENCE HELPS ONE UNDERSTAND THEIR BODY								
STRONGLY AGREE	38.7(1.5)	19.4(1.1)	35.2(1.2)	35.7(1.3)	39.5(1.2)	42.7(1.7)	41.0(1.9)	
	292.2(2.6)@	287.4(3.9)	298.9(3.0)	306.7(2.4)	307.5(2.3)	307.5(2.8)	306.9(2.3)	L
AGREE	48.6(1.4)	57.0(1.3)	51.1(1.2)	50.6(1.1)	49.1(1.3)	47.8(1.8)	51.6(1.8)	
	288.9(2.1)	285.7(2.7)	286.5(1.7)	290.0(2.3)	291.3(1.9)	290.4(2.4)	288.2(2.0)	
NO OPINION	9.5(0.7)@	16.9(1.6)	9.5(0.8)	10.3(0.9)	8.4(0.8)	7.0(0.7)	5.6(0.7)	
	282.1(4.1)@	275.6(4.3)	274.3(4.7)	266.5(4.0)	270.1(4.1)	263.0(4.6)	263.1(5.4)	l
DISAGREE	2.6(0.4)	5.8(0.6)	3.3(0.5)	2.7(0.5)	2.7(0.4)	2.1(0.4)	1.4(0.2)	
	274.9(6.6)	278.9(7.1)	257.0(7.1)	*****(****)	*****(****)	*****(****)	*****(****)	NA
STRONGLY DISAGREE	0.7(0.2)	1.0(0.2)	0.9(0.3)	0.7(0.2)	0.3(0.1)	0.4(0.2)	0.4(0.2)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA
SCIENCE NOT USEFUL OUTSIDE OF CLASS								
STRONGLY AGREE	3.5(0.4)	3.8(0.5)	5.0(0.7)	4.9(0.6)	3.7(0.4)	4.2(0.6)	4.3(0.6)	
	284.0(7.3)	277.7(6.4)	279.1(5.5)	271.8(4.3)	275.5(6.2)	269.7(9.3)	269.2(7.7)	
AGREE	14.1(0.7)	19.1(1.4)	13.9(0.9)	14.8(0.8)	12.1(0.6)	11.4(0.9)	12.9(1.0)	
	283.0(2.8)	281.7(3.7)	277.8(3.4)	282.5(3.5)	275.7(3.1)	282.4(3.3)	275.7(3.5)	
NO OPINION	16.0(0.7)@	13.0(0.8)	14.5(1.1)	13.3(0.9)	13.4(0.7)	14.6(1.2)	12.5(0.8)	
	283.4(3.6)	279.4(4.9)	273.7(4.8)	275.5(4.1)	282.2(3.5)	276.1(5.1)	281.9(3.4)	
DISAGREE	44.9(1.1)@	49.5(1.5)	50.3(1.5)	48.6(1.3)	50.3(1.1)	48.6(1.6)	50.3(1.3)	
	289.7(2.1)	285.2(3.3)	291.8(1.8)	296.4(2.4)	297.1(2.0)	298.6(2.4)	296.4(2.2)	L
STRONGLY DISAGREE	21.5(1.0)	14.6(1.1)	16.3(0.8)	18.3(0.8)	20.5(1.0)	21.2(1.1)	20.0(1.2)	
	296.9(3.3)@	286.8(3.4)	302.2(3.5)	307.3(3.7)	313.2(2.2)	310.2(4.0)	312.1(3.4)	L

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(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
SCIENCE GOOD ONLY IN LABORATORY								
STRONGLY AGREE	2.7(0.4)	1.8(0.4)	3.1(0.4)	2.4(0.3)	2.4(0.4)	2.4(0.4)	3.7(0.5)	
	268.3(8.1)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA
AGREE	7.9(0.5)	11.9(1.0)	9.3(1.0)	9.3(0.8)	8.9(0.7)	7.7(0.7)	8.3(0.6)	
	275.1(5.0)	275.7(4.1)	271.0(6.1)	276.0(4.5)	271.1(5.5)	266.0(4.9)	274.7(4.9)	
NO OPINION	15.2(0.8)	16.4(0.8)	15.6(1.0)	15.1(0.7)	12.5(0.9)	13.8(1.2)	16.1(1.1)	
	286.8(3.8)	284.1(2.7)	279.7(4.2)	276.3(3.0)	278.4(3.8)	280.2(4.2)	283.8(3.0)	
DISAGREE	52.3(1.0)	52.6(1.1)	52.0(1.5)	51.7(1.2)	52.1(1.3)	51.9(1.2)	50.5(1.3)	
	290.2(2.1)	285.3(3.4)	291.5(1.6)	296.7(2.1)	297.0(1.9)	296.1(2.5)	296.9(1.9)	L
STRONGLY DISAGREE	22.0(0.8)	17.3(1.0)	20.0(1.1)	21.5(1.2)	24.1(1.2)	24.2(1.1)	21.4(1.3)	
	295.5(2.8)@	287.3(3.9)	298.1(2.9)	304.6(3.2)	310.9(2.9)	311.8(3.0)	308.2(3.1)	L
CAN STUDENTS HELP SOLVE POLLUTION								
DEFINITELY YES	38.4(1.2)	18.0(0.9)	21.9(1.4)	35.0(1.3)	41.2(1.3)	38.5(1.2)	34.9(1.6)	
	298.3(1.9)	289.7(3.6)	293.0(3.1)	303.7(2.1)	303.4(1.9)	302.2(2.7)	297.2(2.5)	L
PROBABLY YES	38.5(0.9)	38.5(1.3)	40.9(1.7)	41.7(1.4)	40.4(1.2)	40.8(1.2)	42.6(1.5)	
	287.0(2.2)@	282.1(2.5)	290.2(2.4)	293.3(2.5)	293.5(2.4)	293.5(2.4)	296.8(2.0)	L
NOT SURE	11.3(0.8)	21.5(0.9)	13.2(1.0)	9.5(0.7)	8.6(0.5)	8.7(0.8)	8.9(0.8)	
	271.2(3.0)	273.5(3.6)	273.4(3.1)	259.9(6.2)	270.1(3.9)	272.5(5.3)	275.3(4.7)	
PROBABLY NOT	9.8(0.7)	18.5(0.7)	20.4(1.3)	11.3(0.8)	8.1(0.7)	10.4(0.9)	11.3(0.9)	
	280.7(4.5)	274.9(3.2)	292.1(3.5)	285.7(4.0)	294.5(4.9)	293.0(4.7)	288.8(3.9)	L
DIFINITELY NOT	2.0(0.3)	3.5(0.3)	3.6(0.6)	2.5(0.4)	1.7(0.3)	1.7(0.3)	2.4(0.4)	
	*****(****)	258.7(7.6)	269.9(8.7)	*****(****)	*****(****)	*****(****)	*****(****)	NA

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
STUDENTS HELP SOLVE ENERGY WASTE								
DEFINITELY YES	33.9(1.2)	18.9(1.0)	20.6(1.5)	30.8(1.4)	33.7(1.3)	31.7(1.5)	29.4(1.4)	
	297.1(2.3)	291.1(2.9)	299.2(3.1)	309.9(2.1)	309.1(2.0)	309.5(3.0)	302.8(2.9)	L
PROBABLY YES	36.3(1.1)	39.3(1.4)	40.7(1.1)	36.2(1.1)	38.0(1.2)	37.6(1.4)	39.4(1.4)	
	287.9(2.0)	281.2(2.4)	289.4(1.9)	292.4(2.7)	296.4(2.0)	294.3(2.7)	295.6(2.7)	L
NOT SURE	16.4(1.0)	19.5(0.9)	15.0(0.8)	15.8(0.9)	15.4(0.8)	16.1(1.0)	14.6(0.8)	
	276.6(2.6)	273.0(3.2)	270.6(3.3)	271.0(4.2)	273.9(3.3)	273.5(3.6)	276.5(2.8)	
PROBABLY NOT	10.9(0.8)@	17.8(0.7)	19.8(1.5)	13.4(0.7)	11.1(0.8)	12.1(0.8)	13.8(0.7)	
	285.3(3.6)	275.5(3.3)	291.5(3.9)	285.2(3.3)	283.2(4.9)	287.4(3.2)	290.7(3.6)	
DEFINITELY NOT	2.5(0.3)	4.5(0.4)	4.0(0.6)	3.8(0.6)	1.8(0.3)	2.5(0.4)	2.8(0.4)	
	278.3(8.1)	260.0(7.8)	272.0(6.8)	261.2(6.5)	*****(****)	*****(****)	*****(****)	NA
STUDENTS HELP SOLVE FOOD SHORTAGES								
DEFINITELY YES	18.9(0.8)@	12.1(1.1)	12.3(0.9)	17.0(1.1)	14.0(1.1)	13.4(1.0)	13.2(1.2)	
	290.4(2.3)	279.8(5.7)	284.0(4.0)	295.0(3.2)	291.7(3.5)	297.5(5.1)	290.0(3.9)	
PROBABLY YES	36.2(1.1)@	32.9(1.1)	33.3(0.9)	34.5(1.1)	32.6(1.4)	32.7(1.3)	29.6(1.3)	
	289.1(2.6)	278.1(2.2)	287.6(1.9)	293.0(2.5)	294.3(2.4)	293.0(2.7)	290.6(2.7)	L
NOT SURE	21.9(0.9)	25.3(1.2)	18.3(1.3)	20.6(0.8)	21.5(1.0)	19.8(1.1)	20.7(0.9)	
	284.9(2.4)	278.5(2.7)	279.4(2.9)	283.4(3.3)	287.3(2.7)	282.8(3.5)	290.4(2.7)	
PROBABLY NOT	18.9(1.0)@	24.3(0.8)	29.3(1.5)	23.8(0.8)	27.5(1.3)	29.0(1.0)	30.9(1.6)	
	291.8(3.0)	283.2(2.9)	297.0(2.6)	298.8(2.4)	306.7(2.5)	304.1(2.3)	301.5(2.7)	L
DEFINITELY NOT	4.1(0.5)	5.4(0.7)	6.8(0.8)	4.2(0.5)	4.3(0.4)	5.1(0.7)	5.6(0.6)	
	278.2(8.2)	275.5(6.6)	284.9(7.4)	281.3(7.0)	281.1(6.9)	292.9(5.6)	286.5(8.0)	

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
STUDENTS HELP SOLVE OVERPOPULATION								
DEFINITELY YES	27.3(1.5)@	12.5(0.8)	9.9(0.8)	11.4(0.8)	8.8(0.8)	7.8(0.6)	8.5(0.8)	
	297.7(1.9)	287.6(4.7)	298.3(4.8)	298.1(3.2)	302.9(4.3)	304.2(2.9)	294.9(5.4)	
PROBABLY YES	27.3(1.1)@	22.4(1.2)	18.9(1.0)	18.1(0.9)	16.6(1.0)	14.7(0.9)	13.8(0.8)	
	291.9(2.0)	284.4(3.7)	288.7(2.9)	298.4(2.7)	297.6(3.3)	297.1(4.5)	296.5(2.8)	L
NOT SURE	16.0(1.0)	18.5(1.2)	14.0(1.0)	15.7(1.0)	16.8(1.0)	16.0(1.0)	13.6(0.9)	
	278.6(3.4)	273.9(4.0)	276.1(3.6)	281.8(4.0)	285.6(3.6)	279.1(4.2)	282.8(4.3)	
PROBABLY NOT	18.1(1.1)@	30.0(1.4)	35.0(1.5)	35.0(1.0)	37.2(1.3)	38.9(1.2)	39.8(1.4)	
	286.6(3.3)@	281.2(3.1)	292.4(2.7)	296.8(2.5)	299.3(2.5)	300.4(2.5)	299.9(2.2)	L
DEFINITELY NOT	11.3(0.7)@	16.7(1.0)	22.2(1.2)	19.8(1.0)	20.6(1.0)	22.6(0.9)	24.4(1.0)	
	275.5(3.9)	270.0(4.6)	284.7(3.3)	283.5(3.5)	289.8(3.3)	291.5(2.9)	287.8(3.2)	L
STUDENTS HELP SAVE NATURAL RESOURCES								
DEFINITELY YES	11.3(0.6)	6.5(0.7)	8.8(0.9)	17.0(1.1)	16.9(1.1)	12.6(1.0)	12.7(1.2)	
	302.1(3.4)	295.1(6.7)	300.2(4.9)	310.2(3.6)	312.4(2.8)	312.7(4.0)	305.0(3.8)	L
PROBABLY YES	29.1(0.9)	23.1(1.0)	25.1(1.2)	28.9(1.0)	30.9(1.5)	30.2(1.6)	27.6(1.5)	
	292.2(2.1)@	285.4(3.0)	297.7(2.5)	300.5(2.2)	306.5(2.3)	301.2(2.9)	301.9(1.8)	L
NOT SURE	25.3(0.9)@	25.8(1.3)	21.5(1.3)	19.5(1.0)	20.7(1.2)	18.6(1.2)	20.2(1.1)	
	279.5(3.1)	273.6(2.8)	273.0(2.8)	274.2(3.9)	275.4(3.4)	277.4(3.7)	280.7(3.0)	
PROBABLY NOT	24.2(0.6)@	29.8(1.6)	30.7(1.1)	25.0(1.0)	22.4(1.1)	28.3(1.2)	28.2(1.3)	
	289.3(2.8)	279.3(2.8)	290.3(2.8)	292.3(2.9)	292.2(2.5)	295.9(2.8)	294.3(2.0)	L
DEFINITELY NOT	10.1(0.6)	14.9(1.2)	13.8(0.8)	9.6(0.7)	9.1(0.6)	10.2(0.8)	11.3(0.9)	
	283.4(3.6)	273.9(4.6)	283.2(3.5)	272.1(3.9)	275.3(4.4)	281.1(4.0)	281.8(5.3)	

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(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
STUDENTS HELP SOLVE ACCIDENTS								
DEFINITELY YES	24.7(0.7)@	17.2(1.0)	18.5(1.1)	20.9(1.2)	19.5(0.7)	19.0(1.2)	18.1(1.1)	
	294.8(2.4)	283.2(3.7)	286.5(3.6)	293.4(3.9)	298.0(3.6)	296.7(3.6)	290.8(3.7)	
PROBABLY YES	33.6(0.9)@	38.8(1.2)	33.8(1.4)	30.6(1.1)	28.6(1.0)	31.3(1.3)	29.9(0.9)	
	288.2(2.3)	278.4(2.5)	286.2(2.2)	293.6(2.5)	293.5(2.6)	289.2(3.2)	296.2(2.8)	L
NOT SURE	13.5(0.6)	16.6(0.9)	11.3(0.9)	12.2(0.8)	13.3(0.7)	10.2(0.8)	13.4(1.0)	
	278.0(3.3)	276.0(4.1)	279.6(4.4)	279.1(3.6)	287.0(2.6)	287.7(4.7)	285.8(3.7)	L
PROBABLY NOT	16.1(0.6)@	17.3(1.0)	21.1(1.0)	19.2(1.0)	21.6(1.1)	21.1(1.2)	21.2(1.0)	
	291.0(3.4)	284.6(3.0)	297.6(2.9)	297.0(3.5)	299.2(2.5)	301.3(2.9)	296.1(3.7)	L
DEFINITELY YES	12.0(0.8)@	10.2(0.4)	15.4(1.3)	17.0(1.0)	17.1(1.1)	18.4(1.0)	17.5(0.9)	
	285.1(4.7)	274.3(5.0)	288.5(4.5)	292.2(3.4)	295.4(3.9)	298.2(3.8)	294.8(4.0)	L
SCIENCE CLASSES ARE USEFUL								
STRONGLY AGREE	27.0(1.1)	27.0(1.3)	24.0(1.3)	28.5(1.1)	30.6(1.0)	30.3(1.3)	30.7(1.4)	
	294.4(3.2)@	288.6(2.7)	303.9(2.8)	304.5(3.5)	308.5(2.6)	308.1(2.6)	309.6(2.3)	L
AGREE	53.1(1.1)	58.6(1.2)	55.9(1.5)	54.3(1.2)	51.4(1.0)	53.0(1.6)	53.9(1.4)	
	293.1(1.8)	284.7(2.4)	291.9(2.5)	287.7(2.2)	293.1(2.1)	292.0(2.0)	297.6(2.2)	Q
NO OPINION	12.0(0.7)	10.2(0.7)	14.1(1.3)	12.2(1.0)	12.9(0.9)	11.5(0.8)	9.6(0.6)	
	285.9(3.4)	274.1(4.5)	277.0(4.3)	268.9(3.3)	269.4(4.7)	273.9(3.7)	277.3(2.7)	Q
DISAGREE	5.9(0.5)	3.3(0.5)	4.8(0.6)	3.7(0.4)	3.8(0.4)	4.2(0.8)	4.4(0.5)	
	281.1(4.7)	272.1(7.3)	278.0(4.2)	274.6(5.3)	273.0(5.4)	279.3(7.0)	284.5(6.4)	
STRONGLY DISAGREE	2.0(0.3)	0.9(0.3)	1.2(0.3)	1.3(0.3)	1.2(0.2)	0.9(0.3)	1.5(0.3)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
SCIENCE CLASSES UNRELATED TO REAL WORLD								
STRONGLY AGREE	1.9(0.3)	0.9(0.2)	2.2(0.4)	2.5(0.4)	2.4(0.6)	2.6(0.4)	2.7(0.4)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA
AGREE	5.3(0.4)@	5.8(0.7)	7.8(0.8)	7.4(0.6)	7.2(0.6)	8.0(0.8)	8.0(0.6)	
	281.5(4.5)	274.2(6.6)	286.0(5.8)	264.4(5.2)	276.7(4.7)	281.5(4.3)	281.6(4.4)	
NO OPINION	8.0(0.7)@	7.5(1.0)	13.1(0.9)	13.5(0.8)	14.2(1.0)	13.2(1.0)	13.0(0.9)	
	287.5(4.0)	273.4(5.3)	282.1(4.2)	273.8(3.1)	276.2(3.4)	279.1(3.3)	283.3(3.8)	
DISAGREE	46.8(0.9)@	53.5(1.2)	56.7(1.1)	51.7(1.2)	52.1(1.2)	51.4(1.3)	52.9(1.3)	
	290.8(1.8)@	285.2(2.5)	293.1(2.0)	289.4(2.7)	294.8(2.3)	296.1(2.2)	300.3(2.2)	LQ
STRONGLY DISAGREE	38.0(1.1)@	32.4(1.4)	20.3(1.1)	24.8(1.2)	24.1(1.2)	24.8(1.3)	23.4(1.0)	
	295.6(2.7)@	287.2(2.7)	301.3(3.7)	306.9(3.1)	308.2(2.4)	305.5(2.6)	311.1(2.8)	L
SCIENCE SHOULD BE REQUIRED IN SCHOOL								
STRONGLY AGREE	19.9(0.8)@	24.9(1.1)	22.5(1.3)	29.1(1.3)	31.8(1.2)	31.6(1.7)	30.0(1.0)	
	288.1(3.5)@	284.9(4.1)	299.6(3.3)	302.9(3.4)	305.0(2.9)	301.1(3.2)	311.0(2.3)	L
AGREE	42.0(1.0)@	48.0(1.3)	47.1(1.6)	45.7(1.2)	44.2(1.3)	46.1(1.3)	46.1(0.9)	
	293.2(2.0)	284.0(2.2)	293.4(2.2)	289.1(2.5)	293.9(2.7)	295.6(2.4)	295.5(2.2)	
NO OPINION	17.4(0.8)	13.5(0.9)	17.1(1.3)	13.8(0.9)	14.1(0.9)	14.7(1.0)	14.7(1.1)	
	290.9(3.9)	285.8(2.9)	287.3(4.0)	277.8(3.0)	279.9(3.3)	280.0(3.4)	287.3(2.8)	
DISAGREE	13.2(0.6)@	9.6(0.9)	10.4(0.9)	8.5(0.6)	6.6(0.7)	5.8(0.6)	6.7(0.6)	
	294.5(2.9)	283.2(4.8)	282.0(4.1)	270.4(4.4)	276.2(4.4)	285.5(4.5)	294.7(4.4)	Q
STRONGLY DISAGREE	7.4(0.7)@	4.0(0.5)	2.9(0.4)	3.0(0.3)	3.3(0.4)	1.9(0.4)	2.5(0.4)	
	285.5(3.4)	277.1(9.9)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
SCIENCE CLASSES USEFUL IN EVERYDAY LIFE								
STRONGLY AGREE	13.2(1.0)	13.2(0.9)	8.8(0.8)	12.6(0.7)	12.4(0.7)	13.2(1.0)	11.8(1.0)	
	282.5(4.8)@	284.4(4.9)	288.1(6.0)	293.2(5.3)	294.3(4.5)	296.1(4.5)	299.9(4.7)	L
AGREE	39.7(0.9)	44.9(1.5)	40.0(1.6)	39.6(1.1)	40.6(1.1)	42.7(1.3)	43.5(1.3)	
	292.7(2.4)	283.8(2.7)	291.3(2.8)	292.1(3.3)	298.7(2.7)	296.7(2.3)	299.2(2.3)	L
NO OPINION	19.4(0.9)	16.3(1.0)	22.9(1.2)	23.1(1.0)	22.9(1.0)	21.4(1.1)	21.5(1.0)	
	293.9(2.9)	284.3(4.3)	291.7(3.2)	283.5(2.9)	285.4(2.8)	288.2(3.8)	293.2(2.2)	
DISAGREE	23.2(1.1)	22.3(1.3)	24.5(1.1)	21.2(1.0)	20.6(0.9)	20.0(1.2)	19.5(1.6)	
	294.0(2.1)	285.4(3.6)	295.9(3.2)	290.4(2.5)	295.0(2.3)	295.2(2.9)	300.9(3.1)	
STRONGLY DISAGREE	4.6(0.4)	3.4(0.5)	3.8(0.5)	3.5(0.5)	3.5(0.4)	2.6(0.4)	3.7(0.5)	
	283.6(4.2)	278.3(10.0)	285.9(7.9)	275.0(4.8)	278.4(7.1)	*****(****)	*****(****)	NA
SCIENCE CLASSES WILL BE USEFUL IN FUTURE								
STRONGLY AGREE	21.4(0.9)	23.4(1.4)	17.7(1.0)	21.1(1.2)	22.2(1.1)	23.2(1.1)	21.0(1.1)	
	292.3(3.4)@	286.6(3.7)	291.0(3.9)	299.0(5.1)	301.3(2.9)	300.0(2.6)	305.7(3.2)	L
AGREE	43.6(1.1)	50.1(1.1)	47.7(1.3)	45.0(1.2)	45.4(1.1)	47.1(1.0)	46.9(0.9)	
	291.9(2.1)	285.0(2.8)	295.2(2.1)	291.6(2.6)	296.5(2.6)	294.9(2.4)	298.7(2.1)	L
NO OPINION	19.7(1.0)	15.1(1.3)	20.4(1.0)	21.9(1.1)	21.0(1.0)	19.6(1.2)	18.8(1.1)	
	290.8(3.0)	279.7(4.7)	285.8(4.0)	279.2(3.0)	285.7(2.9)	285.1(3.6)	289.5(3.1)	
DISAGREE	12.7(0.8)	9.7(0.7)	11.4(0.8)	9.3(0.7)	9.1(0.7)	8.4(0.7)	9.9(0.7)	
	291.4(3.2)	281.9(5.2)	294.2(4.8)	285.5(3.6)	286.9(4.6)	296.1(4.1)	302.3(5.7)	
STRONGLY DISAGREE	2.6(0.3)	1.6(0.4)	2.8(0.4)	2.6(0.4)	2.4(0.4)	1.6(0.4)@	3.4(0.5)	
	281.4(6.4)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
SCIENTISTS SHOULD EXPERIMENT ON PEOPLE W/OUT APPROVAL								
ALWAYS	0.5(0.1)@	1.2(0.3)	1.4(0.3)	2.0(0.3)	2.2(0.4)	3.0(0.5)	1.6(0.4)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA
OFTEN	0.4(0.1)@	1.4(0.3)	1.7(0.3)	1.4(0.2)	1.1(0.2)	1.4(0.3)	1.5(0.3)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA
SOMETIMES	6.9(0.7)@	9.0(0.6)	4.4(0.6)	3.7(0.4)	3.5(0.4)	4.0(0.5)	3.8(0.4)	
	282.2(3.8)	268.9(5.6)	278.8(10.4)	285.2(5.8)	273.7(6.7)	289.9(6.1)	281.2(7.7)	
SELDOM	11.1(0.9)@	13.1(1.0)	7.5(0.7)	7.8(0.6)	5.8(0.5)	6.3(0.7)	6.6(0.6)	
	298.0(2.9)	285.0(3.7)	294.2(5.7)	291.2(4.5)	291.9(6.6)	292.3(6.8)	306.4(5.6)	
NEVER	81.0(1.1)@	75.4(1.2)	85.1(1.0)	85.1(0.9)	87.4(0.8)	85.3(0.9)	86.4(0.9)	
	290.1(1.8)@	281.0(1.8)	293.7(1.9)	290.2(2.4)	295.8(1.8)	295.7(1.8)	299.3(1.6)	LQ
SCIENTISTS SHOULD CREATE DISEASES FOR WARFARE								
ALWAYS	1.6(0.3)@	4.0(0.6)	3.6(0.4)	2.8(0.5)	3.6(0.5)	3.6(0.5)	2.9(0.3)	
	*****(****)	263.5(8.8)	267.8(8.2)	262.6(5.9)	267.8(7.8)	277.4(8.0)	*****(****)	NA
OFTEN	1.3(0.2)	4.1(0.6)	3.0(0.3)	1.7(0.4)	2.5(0.3)	3.4(0.5)	2.1(0.3)	
	*****(****)	248.8(8.1)	264.9(9.6)	*****(****)	*****(****)	270.1(7.3)	*****(****)	NA
SOMETIMES	5.9(0.5)	13.3(0.6)	6.2(0.6)	6.1(0.5)	6.6(0.6)	6.7(0.8)	5.6(0.5)	
	282.3(4.7)	270.0(3.4)	286.3(6.1)	282.0(5.7)	283.8(6.4)	280.3(4.4)	283.9(6.4)	
SELDOM	9.8(0.7)	19.1(1.0)	10.0(0.7)	8.6(0.5)	8.9(0.5)	9.2(0.6)	11.3(0.8)	
	291.7(4.3)	281.0(3.3)	285.2(4.8)	288.3(5.3)	292.7(3.8)	288.8(5.1)	297.8(3.9)	
NEVER	81.4(1.1)	59.5(1.4)	77.2(1.2)	80.7(0.9)	78.4(1.0)	77.1(1.2)	78.1(1.0)	
	291.3(1.6)@	284.8(1.8)	295.7(2.0)	291.9(2.4)	296.5(1.9)	297.8(2.0)	300.8(1.8)	L

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
SCIENTISTS SHOULD WORK ON SECRET PROJECTS								
ALWAYS	8.2(0.7)	14.4(0.8)	12.5(0.8)	11.1(0.9)	9.6(1.1)	10.1(0.8)	7.6(0.9)	
	288.5(4.1)	277.9(4.3)	288.4(4.6)	293.7(4.3)	286.1(4.3)	294.6(4.5)	301.4(3.7)	L
OFTEN	13.4(0.8)@	22.9(1.2)	17.4(1.0)	12.8(0.8)	12.2(0.9)	10.9(0.9)	10.4(0.8)	
	289.9(3.3)	283.2(3.3)	287.7(3.0)	289.5(4.5)	292.4(5.7)	294.2(4.2)	301.0(3.4)	L
SOMETIMES	48.0(1.2)@	44.5(1.1)	37.4(1.2)	36.4(1.3)	35.9(1.4)	31.4(1.4)	33.4(1.0)	
	291.8(2.0)@	281.0(2.3)	298.7(2.1)	294.6(2.9)	297.9(2.8)	297.7(2.0)	302.8(2.3)	L
SELDOM	21.0(0.7)	12.9(0.7)	17.5(0.8)	18.1(0.8)	20.4(0.8)	22.9(0.9)	23.2(0.9)	
	290.5(2.5)	274.9(3.5)	293.9(3.9)	289.6(3.2)	297.2(2.7)	298.0(3.9)	299.7(2.5)	L
NEVER	9.5(0.5)@	5.3(0.7)	15.3(1.2)	21.6(1.2)	21.9(1.3)	24.6(1.2)	25.4(1.0)	
	283.7(3.0)	271.4(5.8)	281.9(4.0)	278.3(3.3)	287.4(2.8)	285.5(2.9)	289.2(3.1)	
SCIENTISTS SHOULD CONTROL PEOPLE'S ACTIONS								
ALWAYS	1.3(0.3)	3.2(0.6)	1.1(0.2)	2.2(0.4)	2.8(0.6)	2.6(0.5)	1.9(0.3)	
	*****(****)	238.0(7.8)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA
OFTEN	1.2(0.2)	3.5(0.5)	1.4(0.3)	1.6(0.3)	1.8(0.4)	2.4(0.3)	2.0(0.4)	
	*****(****)	252.5(7.2)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA
SOMETIMES	12.0(0.7)	11.9(0.8)	8.7(0.8)	7.0(0.5)	8.3(0.8)	8.9(0.8)	9.6(1.0)	
	288.5(3.1)	274.4(3.8)	284.9(5.0)	286.9(5.3)	283.8(5.5)	292.1(4.8)	290.9(5.1)	
SELDOM	15.7(0.8)@	16.8(1.1)	10.2(1.2)	11.8(0.9)	11.1(0.7)	10.5(1.0)	11.8(0.8)	
	296.3(3.4)	287.1(3.8)	298.6(5.0)	298.1(4.0)	299.1(4.8)	297.1(4.0)	304.6(3.6)	
NEVER	69.8(0.9)@	64.6(1.3)	78.7(1.5)	77.4(1.1)	76.1(1.0)	75.7(1.3)	74.6(1.1)	
	290.2(1.6)@	282.3(1.9)	293.5(2.0)	290.2(2.4)	296.3(1.7)	295.9(1.9)	300.0(1.8)	LQ

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
SUBJECT STUDIED BY RACE/ETHNICITY								
GEN SCI − WHITE	*****(****)	*****(****)	83.5(1.6)	83.7(1.4)	86.0(1.0)	84.0(1.5)	85.8(2.0)	
	*****(****)	*****(****)	297.3(1.5)@	300.4(1.1)	303.9(1.3)	305.7(1.7)	305.8(1.4)	L
GEN SCI − BLACK	*****(****)	*****(****)	83.0(2.6)	75.9(3.1)	78.5(3.6)	80.4(1.9)	78.0(1.9)	
	*****(****)	*****(****)	256.6(2.8)	257.5(4.5)	259.2(3.9)	258.5(3.3)	263.5(2.5)	
GEN SCI − HISPANIC	*****(****)	*****(****)	82.2(3.5)	81.5(4.4)	79.3(3.2)	77.3(2.4)	84.3(2.8)	
	*****(****)	*****(****)	263.6(4.5)	265.9(4.8)	273.9(5.4)	267.6(5.1)	273.8(2.9)	
BIOLOGY − WHITE	*****(****)	*****(****)	88.6(1.1)@	90.3(0.9)	92.9(1.0)	93.6(0.9)	95.0(0.8)	
	*****(****)	*****(****)	300.6(1.8)@	304.3(1.0)	308.1(1.1)	309.7(1.3)	309.0(1.3)	L
BIOLOGY − BLACK	*****(****)	*****(****)	83.6(2.7)	87.4(2.2)	91.7(1.9)	92.9(1.8)	93.8(1.6)	
	*****(****)	*****(****)	259.6(3.1)	259.9(4.6)	260.4(3.1)	263.4(2.7)	265.8(2.3)	
BIOLOGY − HISPANIC	*****(****)	*****(****)	83.8(3.4)	79.1(4.4)	87.2(4.1)	84.0(3.4)	86.6(3.8)	
	*****(****)	*****(****)	265.4(3.7)	269.6(5.0)	276.4(4.5)	273.1(6.1)	276.5(2.6)	
CHEMISTRY − WHITE	*****(****)	*****(****)	42.5(1.8)@	45.6(1.7)	52.2(1.8)	53.7(2.5)	57.7(1.9)	
	*****(****)	*****(****)	316.8(2.2)	324.5(1.3)	325.0(1.3)	324.0(1.7)	323.0(1.9)	
CHEMISTRY − BLACK	*****(****)	*****(****)	29.3(2.6)@	45.8(4.0)	35.8(3.2)	51.3(3.6)	49.1(3.0)	
	*****(****)	*****(****)	275.4(6.4)	280.4(7.3)	281.8(3.6)	277.8(3.4)	283.9(3.8)	
CHEMISTRY − HISPANIC	*****(****)	*****(****)	24.4(2.2)@	31.1(4.3)	35.6(5.6)	41.3(3.0)	46.0(3.6)	
	*****(****)	*****(****)	281.1(8.7)	294.5(6.0)	298.4(4.1)	287.9(6.3)	292.7(3.8)	
PHYSICS − WHITE	*****(****)	*****(****)	9.7(0.8)	12.9(1.7)	13.2(1.2)	17.8(1.4)	12.4(1.3)	
	*****(****)	*****(****)	316.3(4.4)	317.2(2.6)	319.2(3.5)	326.4(3.2)	323.3(4.4)	
PHYSICS − BLACK	*****(****)	*****(****)	18.2(3.5)	15.3(2.7)	13.9(1.9)	15.5(2.0)	19.2(1.6)	
	*****(****)	*****(****)	239.2(5.4)@	263.1(11.8)	*****(****)	267.8(7.5)	270.0(4.3)	L
PHYSICS − HISPANIC	*****(****)	*****(****)	12.9(2.8)	16.7(4.5)	13.3(2.3)	17.6(2.9)	16.1(2.7)	
	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	NA

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES ACROSS ASSESSMENT YEARS

	1977	1982	1986	1990	1992	1994	1996	
SUBJECT STUDIED BY GENDER								
GEN SCI − MALE	*****(****)	*****(****)	84.1(1.5)	83.6(1.3)	85.7(1.1)	83.9(1.5)	85.4(1.6)	
	*****(****)	*****(****)	297.8(1.7)	298.2(1.4)	300.7(1.6)	301.9(2.2)	300.9(1.7)	
GEN SCI − FEMALE	*****(****)	*****(****)	82.4(1.6)	81.3(1.7)	82.9(1.5)	81.7(1.4)	84.0(1.8)	
	*****(****)	*****(****)	282.6(1.6)@	286.3(1.4)	290.3(1.5)	290.5(1.8)	293.3(1.3)	L
BIOLOGY − MALE	*****(****)	*****(****)	87.1(1.1)@	86.8(1.1)	91.2(1.2)	92.1(0.9)	92.4(1.2)	
	*****(****)	*****(****)	300.6(1.8)	301.9(1.3)	304.7(1.5)	306.0(1.8)	304.6(1.8)	
BIOLOGY − FEMALE	*****(****)	*****(****)	88.4(1.1)@	90.7(1.0)	93.1(1.0)	93.3(1.0)	95.4(0.7)	
	*****(****)	*****(****)	287.0(1.7)@	290.1(1.5)	293.1(1.4)	294.3(1.3)	295.4(1.5)	L
CHEMISTRY − MALE	*****(****)	*****(****)	41.6(1.8)@	44.6(1.7)	47.1(1.9)	50.1(2.6)	53.0(2.2)	
	*****(****)	*****(****)	319.2(2.7)	324.1(1.9)	325.3(1.5)	322.3(2.4)	322.0(2.7)	
CHEMISTRY − FEMALE	*****(****)	*****(****)	38.7(2.1)@	45.0(1.7)	50.6(2.0)	55.2(2.3)	58.4(1.7)	
	*****(****)	*****(****)	303.8(2.2)	309.5(1.7)	312.5(1.5)	308.8(1.9)	309.7(2.1)	
PHYSICS − MALE	*****(****)	*****(****)	14.2(1.3)	15.7(1.8)	15.1(1.0)	19.5(1.5)	16.3(1.3)	
	*****(****)	*****(****)	304.8(6.8)	310.9(4.3)	310.0(4.7)	317.5(4.1)	310.8(3.7)	
PHYSICS − FEMALE	*****(****)	*****(****)	8.4(0.7)@	12.6(1.5)	12.2(1.5)	15.7(1.3)	12.2(1.0)	
	*****(****)	*****(****)	282.4(3.8)@	295.0(4.2)	302.0(4.1)	310.0(3.3)	305.7(4.0)	L
DIFFERENCES								
WHITE − BLACK	71.8(1.7)@	68.2(2.4)	63.3(0.6)	57.7(0.6)	59.9(0.6)	56.4(0.6)	55.8(0.7)	
	57.4(1.7)@	58.4(2.0)	44.7(3.3)	47.9(4.6)	48.0(3.5)	49.3(3.5)	46.5(2.7)	l
WHITE − HISPANIC	79.7(1.6)@	76.2(2.3)	72.1(0.6)	66.4(0.6)	67.2(0.7)	63.0(0.7)	61.8(1.0)	
	35.4(2.3)	44.4(2.5)	38.2(4.1)	39.5(4.5)	34.1(5.8)	44.6(6.9)	37.5(3.5)	
MALE − FEMALE	−1.1(****)	−3.1(0.9)	−2.1(****)	−2.7(1.2)	1.3(****)	−1.0(****)	−0.9(****)	
	14.8(1.6)@	16.7(1.9)	12.6(2.4)	10.1(2.1)	10.1(2.2)	10.7(2.6)	7.9(2.1)	l

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(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 150

	1977	1982	1986	1990	1992	1994	1996
-- Total --	99.8(0.0)	99.7(0.1)	99.9(****)	99.9(****)	100.0(****)	99.8(0.1)	100.0(****)
Gender							
Male	99.9(0.0)	99.8(0.1)	99.9(****)	99.9(****)	99.9(****)	99.8(****)	99.9(****)
Female	99.7(0.1)	99.6(0.1)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
Race/Ethnicity							
White	100.0(0.0)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
Black	98.5(0.3)	97.9(0.5)	99.7(****)	99.4(****)	99.8(****)	99.6(****)	99.9(****)
Hispanic	99.7(0.2)	98.9(****)	99.8(****)	99.6(****)	100.0(****)	99.3(****)	99.8(****)
Other	99.9(****)	99.8(****)	99.2(****)	99.9(****)	99.9(****)	99.0(****)	100.0(****)
Grade							
Below Modal Grade	98.9(0.3)	98.6(0.4)	99.6(****)	99.4(****)	99.8(****)	99.5(0.3)	99.8(****)
At Modal Grade	100.0(0.0)	99.9(0.1)	100.0(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)
Above Modal Grade	99.9(0.0)	99.8(****)	100.0(****)	100.0(****)	100.0(****)	99.7(****)	100.0(****)
Region							
Northeast	99.9(****)	99.6(0.2)	99.9(****)	99.8(****)	100.0(****)	99.7(0.2)	100.0(****)
Southeast	99.5(0.2)	99.5(0.3)	99.9(****)	99.9(****)	99.9(****)	99.9(****)	99.9(****)
Central	99.9(0.0)	99.8(****)	100.0(****)	99.9(****)	100.0(****)	99.8(****)	100.0(****)
West	99.9(0.0)	99.7(0.2)	99.8(****)	99.9(****)	100.0(****)	99.8(****)	99.9(****)
Type Of Location							
Central City	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	99.6(****)	100.0(****)
Urban Fringe/Large Tow	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	99.9(****)	99.9(****)
Rural/Small Town	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	100.0(****)	100.0(****)
Parents' Education Level							
Less than H.S.	99.5(0.2)	99.1(0.4)	99.6(****)	99.5(****)	99.9(****)	99.4(****)	99.8(****)
Graduated H.S.	99.9(0.0)	99.6(0.2)	99.9(****)	99.9(****)	99.9(****)	99.8(****)	99.9(****)
Some Educ After H.S.	100.0(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)
Graduated College	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
Unknown	98.4(0.6)	98.3(1.1)	98.7(****)	98.6(****)	99.9(****)	98.4(****)	100.0(****)
Type Of School							
Public	99.8(0.0)	99.6(0.1)	99.9(****)	99.8(****)	100.0(****)	99.8(0.1)	99.9(****)
Non−Public	100.0(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
Quartiles							
Upper	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
Middle two	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
Lower	99.2(0.2)	98.7(0.3)	99.6(****)	99.4(****)	99.8(****)	99.3(0.4)	99.8(****)
TELEVISION WATCHED/DAY							
0 − 2 HOURS	*****(****)	*****(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	99.9(****)
3 − 5 HOURS	*****(****)	*****(****)	99.8(****)	99.9(****)	99.9(****)	99.8(****)	100.0(****)
6 HOURS OR MORE	*****(****)	*****(****)	99.9(****)	99.7(****)	99.8(****)	99.6(****)	99.9(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 150

	1977	1982	1986	1990	1992	1994	1996
RULES CONCERNING TELEVISION VIEWING							
HAVE RULES	*****(****)	*****(****)	99.8(****)	99.5(****)	100.0(****)	99.7(****)	99.9(****)
DO NOT HAVE RULES	*****(****)	*****(****)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
MOTHER'S EDUCATION							
LESS THAN H.S.	*****(****)	99.5(0.3)	99.8(****)	99.7(****)	99.9(****)	99.5(****)	99.9(****)
GRADUATED H.S.	*****(****)	99.7(0.1)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	99.9(****)
SOME EDUC AFTER H.S	*****(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)
GRADUATED COLLEGE	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)
UNKNOWN	*****(****)	98.3(0.6)	99.2(****)	99.1(****)	99.7(****)	98.8(****)	100.0(****)
FATHER'S EDUCATION							
LESS THAN H.S.	*****(****)	99.3(0.3)	99.8(****)	99.7(****)	100.0(****)	99.6(****)	100.0(****)
GRADUATED H.S.	*****(****)	99.8(0.1)	100.0(****)	99.9(****)	99.9(****)	99.9(****)	99.9(****)
SOME EDUC AFTER H.S	*****(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
GRADUATED COLLEGE	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
UNKNOWN	*****(****)	98.3(1.0)	99.4(****)	99.3(****)	99.8(****)	99.2(****)	99.7(****)
TIME WORKED AT PART−TIME JOB							
NONE	*****(****)	*****(****)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
< 6 HOURS	*****(****)	*****(****)	99.9(****)	100.0(****)	100.0(****)	99.8(****)	100.0(****)
6 TO 10 HOURS	*****(****)	*****(****)	100.0(****)	99.9(****)	100.0(****)	99.8(****)	99.7(****)
11 TO 15 HOURS	*****(****)	*****(****)	100.0(****)	99.7(****)	100.0(****)	100.0(****)	100.0(****)
16 TO 20 HOURS	*****(****)	*****(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
21 TO 25 HOURS	*****(****)	*****(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)
26 TO 30 HOURS	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)
> 30 HOURS	*****(****)	*****(****)	99.2(****)	100.0(****)	99.9(****)	99.4(****)	100.0(****)
MOTHER/STEPMOTHER EMPLOYMENT							
HAS A FULL−TIME JOB	*****(****)	*****(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
HAS A PART−TIME JOB	*****(****)	*****(****)	100.0(****)	99.8(****)	99.9(****)	100.0(****)	99.9(****)
DOES NOT HAVE A JOB	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	99.7(****)	100.0(****)
MTHR LIVES ELSEWHERE	*****(****)	*****(****)	99.8(****)	99.5(****)	99.7(****)	99.6(****)	100.0(****)
FATHER/STEPFATHER EMPLOYMENT							
HAS A PART−TIME JOB	*****(****)	*****(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
HAS A FULL−TIME JOB	*****(****)	*****(****)	99.9(****)	99.2(****)	100.0(****)	100.0(****)	100.0(****)
DOES NOT HAVE A JOB	*****(****)	*****(****)	100.0(****)	99.7(****)	99.8(****)	99.5(****)	100.0(****)
FTHR LIVES ELSEWHERE	*****(****)	*****(****)	99.9(****)	99.8(****)	99.8(****)	99.9(****)	99.9(****)
HIGH SCHOOL PROGRAM							
GENERAL	*****(****)	*****(****)	99.8(****)	99.8(****)	99.9(****)	99.8(0.2)	99.9(****)
ACADEMIC/COLLEGE PREP	*****(****)	*****(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
VOCATIONAL/TECHNICAL	*****(****)	*****(****)	99.9(****)	99.8(****)	99.8(****)	99.5(****)	99.8(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 150

	1977	1982	1986	1990	1992	1994	1996
CURRENT ENGLISH CLASS							
NONE	*****(****)	*****(****)	100.0(****)	99.6(****)	100.0(****)	99.8(****)	100.0(****)
ADVNCD PLCMNT/HONORS	*****(****)	*****(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
COLLEGE PREP	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
GENERAL	*****(****)	*****(****)	99.9(****)	99.8(****)	99.9(****)	99.8(****)	99.9(****)
REMEDIAL	*****(****)	*****(****)	99.6(****)	99.0(****)	99.8(****)	*****(****)	*****(****)
CURRENTLY TAKING SCIENCE							
YES	*****(****)	*****(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
NO	*****(****)	*****(****)	99.9(****)	99.9(****)	99.9(****)	99.7(****)	99.9(****)
GENERAL SCIENCE COURSE							
HAVE TAKEN	*****(****)	*****(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
HAVE NOT TAKEN	*****(****)	*****(****)	99.9(****)	99.8(****)	99.9(****)	99.6(****)	99.9(****)
BIOLOGY COURSE							
HAVE TAKEN	*****(****)	*****(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
HAVE NOT TAKEN	*****(****)	*****(****)	99.8(****)	99.5(****)	99.8(****)	99.3(****)	99.7(****)
CHEMISTRY COURSE							
HAVE TAKEN	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
HAVE NOT TAKEN	*****(****)	*****(****)	99.9(****)	99.8(****)	100.0(****)	99.8(****)	99.9(****)
PHYSICS COURSE							
HAVE TAKEN	*****(****)	*****(****)	99.9(****)	99.7(****)	99.9(****)	99.9(****)	100.0(****)
HAVE NOT TAKEN	*****(****)	*****(****)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	99.9(****)
PARTICIPATION IN LITTER CLEAN−UP PROJECT							
MANY TIMES	99.5(****)	99.4(****)	99.7(****)	99.5(****)	99.9(****)	99.7(****)	99.9(****)
NOT OFTEN, > 2 TIMES	99.8(****)	99.7(****)	99.9(****)	99.8(****)	100.0(****)	99.9(****)	100.0(****)
1 OR 2 TIMES	99.9(****)	99.6(0.2)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
NEVER	99.8(****)	99.4(****)	100.0(****)	99.8(****)	100.0(****)	99.4(****)	99.8(****)
SEPARATE TRASH FOR RECYCLING							
MANY TIMES	99.6(****)	99.5(****)	99.9(****)	100.0(****)	100.0(****)	99.8(****)	100.0(****)
NOT OFTEN, > 2 TIMES	99.6(****)	99.7(0.2)	99.9(****)	99.9(****)	100.0(****)	99.7(****)	99.8(****)
1 OR 2 TIMES	99.8(****)	99.6(****)	100.0(****)	99.8(****)	100.0(****)	100.0(****)	100.0(****)
NEVER	99.9(****)	99.5(0.3)	99.9(****)	99.7(****)	100.0(****)	99.5(****)	99.9(****)
HOW MUCH CAN SCIENCE PREVENT STARVATION							
NONE	98.5(****)	99.7(****)	99.8(****)	99.7(****)	100.0(****)	99.4(****)	99.7(****)
SOME	99.7(0.2)	99.6(0.3)	99.9(****)	99.9(****)	100.0(****)	99.8(0.1)	99.9(****)
VERY MUCH	99.8(****)	99.7(****)	100.0(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 150

	1977	1982	1986	1990	1992	1994	1996
HOW MUCH CAN SCIENCE PREVENT ENERGY SHORTAGE							
NONE	98.1(****)	*****(****)	99.3(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	99.4(0.3)	99.5(0.3)	99.9(****)	99.9(****)	100.0(****)	99.5(****)	99.8(****)
VERY MUCH	99.9(****)	99.7(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
HOW MUCH CAN SCIENCE FIND CURES FOR DISEASES							
NONE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	99.3(****)	99.4(0.4)	99.9(****)	99.8(****)	100.0(****)	99.5(****)	99.9(****)
VERY MUCH	99.8(0.1)	99.7(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	99.9(****)
HOW MUCH CAN SCIENCE CONTROL WEATHER							
NONE	99.6(****)	99.7(****)	100.0(****)	99.9(****)	100.0(****)	99.8(****)	99.9(****)
SOME	99.8(****)	99.6(0.2)	99.9(****)	99.8(****)	100.0(****)	99.7(****)	99.9(****)
VERY MUCH	99.8(****)	99.6(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
HOW MUCH CAN SCIENCE PREVENT WARS							
NONE	99.6(****)	99.7(0.2)	100.0(****)	100.0(****)	100.0(****)	99.7(****)	99.9(****)
SOME	99.8(****)	99.7(****)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
VERY MUCH	99.5(0.3)	99.4(****)	99.9(****)	99.3(****)	99.9(****)	99.8(****)	99.9(****)
HOW MUCH CAN SCIENCE PREVENT BIRTH DEFECTS							
NONE	99.2(****)	99.2(****)	99.4(****)	99.6(****)	99.9(****)	98.6(****)	100.0(****)
SOME	99.7(0.2)	99.7(****)	100.0(****)	100.0(****)	100.0(****)	99.7(****)	99.9(****)
VERY MUCH	99.8(****)	99.7(0.2)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
HOW MUCH CAN SCIENCE SAVE NATURAL RESOURCES							
NONE	99.3(****)	99.7(****)	99.7(****)	98.9(****)	100.0(****)	98.6(****)	100.0(****)
SOME	99.7(0.2)	99.6(****)	99.9(****)	99.9(****)	100.0(****)	99.7(0.2)	99.8(****)
VERY MUCH	99.8(****)	99.7(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
HOW MUCH CAN SCIENCE REDUCE POLLUTION							
NONE	99.1(****)	99.3(****)	99.8(****)	99.7(****)	100.0(****)	98.4(****)	100.0(****)
SOME	99.6(0.2)	99.6(0.2)	99.9(****)	99.8(****)	100.0(****)	99.8(****)	99.8(****)
VERY MUCH	99.8(****)	99.8(****)	100.0(****)	99.9(****)	100.0(****)	99.8(0.1)	100.0(****)
HOW MUCH CAN SCIENCE REDUCE OVERPOPULATION							
NONE	99.4(****)	99.6(****)	99.9(****)	99.8(****)	100.0(****)	99.6(****)	99.9(****)
SOME	99.8(****)	99.7(0.2)	99.9(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)
VERY MUCH	99.8(****)	99.7(****)	99.9(****)	99.7(****)	99.9(****)	99.6(****)	99.9(****)

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(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 150

	1977	1982	1986	1990	1992	1994	1996
SCIENCE HELPS ONE UNDERSTAND THEIR BODY							
STRONGLY AGREE	99.8(0.2)	99.8(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	99.9(****)
AGREE	99.7(0.2)	99.7(****)	100.0(****)	100.0(****)	100.0(****)	99.8(****)	100.0(****)
NO OPINION	99.8(****)	99.0(****)	99.9(****)	99.4(****)	99.9(****)	99.1(****)	100.0(****)
DISAGREE	99.6(****)	99.6(****)	99.3(****)	*****(****)	*****(****)	*****(****)	*****(****)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE NOT USEFUL OUTSIDE OF CLASS							
STRONGLY AGREE	99.7(****)	99.6(****)	99.9(****)	100.0(****)	99.8(****)	99.8(****)	100.0(****)
AGREE	99.7(****)	99.6(****)	99.9(****)	99.7(****)	100.0(****)	100.0(****)	99.8(****)
NO OPINION	99.8(****)	99.3(****)	99.9(****)	99.5(****)	100.0(****)	99.2(****)	99.9(****)
DISAGREE	99.6(0.2)	99.7(****)	99.9(****)	100.0(****)	100.0(****)	99.8(****)	100.0(****)
STRONGLY DISAGREE	99.9(****)	99.4(0.4)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
SCIENCE GOOD ONLY IN LABORATORY							
STRONGLY AGREE	99.7(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	99.4(****)	99.7(****)	99.8(****)	100.0(****)	99.9(****)	99.5(****)	100.0(****)
NO OPINION	99.7(****)	99.7(****)	99.9(****)	99.7(****)	100.0(****)	99.5(****)	100.0(****)
DISAGREE	99.8(0.2)	99.6(****)	99.9(****)	99.9(****)	100.0(****)	99.8(****)	99.9(****)
STRONGLY DISAGREE	99.8(****)	99.6(****)	100.0(****)	99.8(****)	100.0(****)	100.0(****)	100.0(****)
CAN STUDENTS HELP SOLVE POLLUTION							
DEFINITELY YES	99.9(****)	99.8(****)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	99.9(****)
PROBABLY YES	99.8(****)	99.8(****)	100.0(****)	99.9(****)	100.0(****)	99.8(****)	100.0(****)
NOT SURE	99.6(****)	99.3(****)	99.9(****)	99.2(****)	99.9(****)	99.0(****)	99.7(****)
PROBABLY NOT	99.8(****)	99.4(****)	100.0(****)	100.0(****)	100.0(****)	99.6(****)	100.0(****)
DIFINITELY NOT	*****(****)	98.2(****)	99.7(****)	*****(****)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE ENERGY WASTE							
DEFINITELY YES	99.9(****)	99.8(****)	99.9(****)	100.0(****)	100.0(****)	99.9(****)	99.9(****)
PROBABLY YES	99.7(****)	99.6(0.2)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
NOT SURE	99.7(0.2)	99.7(****)	100.0(****)	99.7(****)	100.0(****)	99.2(****)	100.0(****)
PROBABLY NOT	99.8(****)	99.3(****)	100.0(****)	99.9(****)	99.9(****)	99.8(****)	99.9(****)
DEFINITELY NOT	100.0(****)	98.6(****)	100.0(****)	98.9(****)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE FOOD SHORTAGES							
DEFINITELY YES	99.8(****)	99.3(****)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
PROBABLY YES	99.9(0.1)	99.6(0.2)	99.9(****)	99.8(****)	100.0(****)	99.9(****)	99.8(****)
NOT SURE	99.7(****)	99.6(****)	99.9(****)	99.9(****)	100.0(****)	99.3(****)	100.0(****)
PROBABLY NOT	99.9(****)	99.7(****)	100.0(****)	99.9(****)	100.0(****)	99.8(****)	100.0(****)
DEFINITELY NOT	99.8(****)	99.3(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 150

	1977	1982	1986	1990	1992	1994	1996
STUDENTS HELP SOLVE OVERPOPULATION							
DEFINITELY YES	99.9(****)	99.8(****)	100.0(****)	99.8(****)	100.0(****)	100.0(****)	100.0(****)
PROBABLY YES	99.9(****)	99.8(****)	99.9(****)	99.9(****)	100.0(****)	99.5(****)	100.0(****)
NOT SURE	99.8(****)	99.4(0.4)	99.8(****)	99.5(****)	100.0(****)	99.1(****)	99.8(****)
PROBABLY NOT	99.7(****)	99.6(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
DEFINITELY NOT	99.6(****)	99.2(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	99.8(****)
STUDENTS HELP SAVE NATURAL RESOURCES							
DEFINITELY YES	100.0(****)	99.5(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	99.7(****)
PROBABLY YES	99.9(****)	99.7(0.2)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
NOT SURE	99.7(****)	99.5(0.2)	99.8(****)	99.6(****)	100.0(****)	99.5(****)	99.9(****)
PROBABLY NOT	99.9(****)	99.5(****)	99.9(****)	100.0(****)	100.0(****)	99.9(****)	99.9(****)
DEFINITELY NOT	99.5(****)	99.6(****)	100.0(****)	99.8(****)	100.0(****)	99.5(****)	100.0(****)
STUDENTS HELP SOLVE ACCIDENTS							
DEFINITELY YES	99.8(****)	99.4(0.4)	100.0(****)	99.8(****)	99.9(****)	99.6(****)	100.0(****)
PROBABLY YES	99.9(****)	99.7(****)	99.9(****)	100.0(****)	100.0(****)	99.8(****)	99.9(****)
NOT SURE	99.8(****)	99.3(****)	99.8(****)	99.6(****)	100.0(****)	99.4(****)	99.9(****)
PROBABLY NOT	99.7(****)	99.8(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
DEFINITELY YES	99.7(****)	99.5(****)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	99.8(****)
SCIENCE CLASSES ARE USEFUL							
STRONGLY AGREE	99.7(0.2)	99.7(0.2)	99.9(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
AGREE	99.9(****)	99.7(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
NO OPINION	99.8(****)	99.6(****)	99.6(****)	100.0(****)	99.8(****)	99.8(****)	99.8(****)
DISAGREE	100.0(****)	99.4(****)	100.0(****)	100.0(****)	99.8(****)	99.8(****)	100.0(****)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE CLASSES UNRELATED TO REAL WORLD							
STRONGLY AGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	99.7(****)	98.8(****)	99.3(****)	99.4(****)	100.0(****)	100.0(****)	100.0(****)
NO OPINION	100.0(****)	99.8(****)	99.8(****)	99.9(****)	99.8(****)	99.9(****)	100.0(****)
DISAGREE	99.9(****)	99.8(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	99.9(****)
STRONGLY DISAGREE	99.8(****)	99.7(0.2)	100.0(****)	99.8(****)	99.9(****)	100.0(****)	100.0(****)
SCIENCE SHOULD BE REQUIRED IN SCHOOL							
STRONGLY AGREE	99.8(****)	99.5(****)	100.0(****)	99.9(****)	99.9(****)	99.9(****)	100.0(****)
AGREE	99.8(****)	99.7(0.2)	99.9(****)	99.8(****)	100.0(****)	100.0(****)	99.9(****)
NO OPINION	99.9(****)	99.8(****)	99.8(****)	99.9(****)	99.8(****)	99.9(****)	100.0(****)
DISAGREE	99.9(****)	99.7(****)	99.6(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
STRONGLY DISAGREE	99.9(****)	99.6(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 150

	1977	1982	1986	1990	1992	1994	1996
SCIENCE CLASSES USEFUL IN EVERYDAY LIFE							
STRONGLY AGREE	99.5(****)	99.4(****)	99.9(****)	100.0(****)	100.0(****)	99.8(****)	100.0(****)
AGREE	99.8(****)	99.6(****)	99.9(****)	99.8(****)	100.0(****)	100.0(****)	99.9(****)
NO OPINION	100.0(****)	99.8(****)	99.9(****)	100.0(****)	99.9(****)	99.9(****)	100.0(****)
DISAGREE	100.0(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
STRONGLY DISAGREE	99.9(****)	99.5(****)	98.9(****)	100.0(****)	99.7(****)	*****(****)	*****(****)
SCIENCE CLASSES WILL BE USEFUL IN FUTURE							
STRONGLY AGREE	99.7(****)	99.4(****)	99.7(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)
AGREE	99.9(****)	99.7(****)	100.0(****)	99.8(****)	100.0(****)	99.9(****)	99.9(****)
NO OPINION	99.9(****)	99.8(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)
DISAGREE	99.9(****)	100.0(****)	99.9(****)	99.9(****)	99.8(****)	100.0(****)	100.0(****)
STRONGLY DISAGREE	99.8(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENTISTS SHOULD EXPERIMENT ON PEOPLE W/OUT APPROVAL							
ALWAYS	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	99.6(****)	98.9(****)	99.1(****)	99.5(****)	99.6(****)	99.5(****)	100.0(****)
SELDOM	99.9(****)	99.7(****)	99.7(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)
NEVER	99.8(0.1)	99.7(0.2)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
SCIENTISTS SHOULD CREATE DISEASES FOR WARFARE							
ALWAYS	*****(****)	98.4(****)	99.9(****)	99.0(****)	99.9(****)	100.0(****)	*****(****)
OFTEN	*****(****)	97.0(****)	98.3(****)	*****(****)	*****(****)	100.0(****)	*****(****)
SOMETIMES	99.9(****)	99.5(****)	100.0(****)	100.0(****)	100.0(****)	99.8(****)	99.6(****)
SELDOM	99.8(****)	99.8(****)	99.9(****)	99.6(****)	99.8(****)	99.8(****)	100.0(****)
NEVER	99.9(0.1)	99.8(0.1)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
SCIENTISTS SHOULD WORK ON SECRET PROJECTS							
ALWAYS	99.7(****)	99.2(****)	99.6(****)	99.6(****)	99.9(****)	99.9(****)	100.0(****)
OFTEN	99.8(****)	99.6(****)	100.0(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)
SOMETIMES	99.8(****)	99.6(****)	99.9(****)	99.9(****)	99.9(****)	99.9(****)	99.9(****)
SELDOM	99.9(****)	99.8(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)
NEVER	99.8(****)	99.2(****)	100.0(****)	99.9(****)	99.9(****)	99.9(****)	99.9(****)
SCIENTISTS SHOULD CONTROL PEOPLE'S ACTIONS							
ALWAYS	*****(****)	96.8(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	98.6(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	99.8(****)	99.4(****)	99.5(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)
SELDOM	99.9(****)	99.6(****)	99.8(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
NEVER	99.9(****)	99.8(0.1)	99.9(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)

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(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 150

	1977	1982	1986	1990	1992	1994	1996
SUBJECT STUDIED BY RACE/ETHNICITY							
GEN SCI − WHITE	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
GEN SCI − BLACK	*****(****)	*****(****)	99.8(****)	99.7(****)	99.9(****)	100.0(****)	100.0(****)
GEN SCI − HISPANIC	*****(****)	*****(****)	99.9(****)	99.8(****)	100.0(****)	99.8(****)	99.7(****)
BIOLOGY − WHITE	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
BIOLOGY − BLACK	*****(****)	*****(****)	99.8(****)	99.7(****)	99.8(****)	99.9(****)	99.9(****)
BIOLOGY − HISPANIC	*****(****)	*****(****)	99.9(****)	99.8(****)	100.0(****)	99.7(****)	100.0(****)
CHEMISTRY − WHITE	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
CHEMISTRY − BLACK	*****(****)	*****(****)	100.0(****)	99.8(****)	100.0(****)	100.0(****)	100.0(****)
CHEMISTRY − HISPANIC	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
PHYSICS − WHITE	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
PHYSICS − BLACK	*****(****)	*****(****)	99.7(****)	98.7(****)	*****(****)	99.6(****)	100.0(****)
PHYSICS − HISPANIC	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SUBJECT STUDIED BY GENDER							
GEN SCI − MALE	*****(****)	*****(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
GEN SCI − FEMALE	*****(****)	*****(****)	99.9(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
BIOLOGY − MALE	*****(****)	*****(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
BIOLOGY − FEMALE	*****(****)	*****(****)	100.0(****)	99.9(****)	100.0(****)	99.9(****)	100.0(****)
CHEMISTRY − MALE	*****(****)	*****(****)	100.0(****)	99.9(****)	100.0(****)	100.0(****)	100.0(****)
CHEMISTRY − FEMALE	*****(****)	*****(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
PHYSICS − MALE	*****(****)	*****(****)	100.0(****)	99.5(****)	99.9(****)	99.9(****)	100.0(****)
PHYSICS − FEMALE	*****(****)	*****(****)	99.8(****)	100.0(****)	99.9(****)	99.8(****)	100.0(****)
DIFFERENCES							
WHITE − BLACK	1.5(0.3)	2.1(0.5)	0.3(****)	0.6(****)	0.2(****)	0.4(****)	0.1(****)
WHITE − HISPANIC	0.3(0.2)	1.1(****)	0.2(****)	0.3(****)	0.0(****)	0.7(****)	0.2(****)
MALE − FEMALE	0.2(0.1)	0.2(****)	0.0(****)	0.0(****)	0.0(****)	−0.1(****)	−0.1(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 200

	1977	1982	1986	1990	1992	1994	1996
-- Total --	97.1(0.2)	95.7(0.5)	97.1(0.5)	96.7(0.3)	97.8(0.5)	97.1(0.7)	97.8(0.3)
Gender							
Male	97.8(0.2)	96.8(0.5)	97.4(0.7)	96.8(0.5)	98.0(0.6)	97.1(0.6)	97.5(0.5)
Female	96.4(0.3)@	94.6(0.8)	96.9(0.5)	96.6(0.6)	97.5(0.7)	97.2(1.0)	98.1(0.4)
Race/Ethnicity							
White	99.2(0.1)	98.6(0.2)	98.8(0.3)	99.0(0.2)	99.3(0.3)	99.3(0.3)	99.3(0.3)
Black	83.6(1.3)@	79.7(1.9)	90.9(2.1)	88.3(1.9)	92.1(1.8)	91.1(1.9)	93.0(1.2)
Hispanic	93.1(1.7)	86.9(2.9)	93.3(2.4)	91.9(2.2)	94.6(2.6)	89.9(3.3)	94.1(1.6)
Other	97.1(1.8)	95.1(2.2)	89.3(4.8)	96.3(1.6)	95.1(2.6)	95.8(2.8)	98.3(1.0)
Grade							
Below Modal Grade	88.4(1.1)@	85.6(1.6)	90.7(2.1)	89.9(1.6)	92.9(1.3)	90.7(1.8)	94.0(1.1)
At Modal Grade	98.5(0.1)	97.5(0.4)	98.5(0.3)	98.6(0.2)	99.3(0.3)	98.8(0.5)	99.0(0.4)
Above Modal Grade	99.0(0.3)	97.3(1.2)	98.0(****)	98.8(****)	98.7(0.7)	98.2(0.9)	98.7(****)
Region							
Northeast	98.0(0.4)	95.7(0.9)	97.1(1.5)	96.4(1.1)	98.3(0.6)	97.1(1.1)	97.3(1.0)
Southeast	94.2(0.7)@	93.9(1.5)	96.6(1.2)	95.8(0.6)	96.6(1.0)	97.0(1.1)	97.6(0.9)
Central	98.0(0.3)	97.4(0.7)	98.4(0.5)	97.8(0.7)	98.6(0.8)	97.9(0.9)	99.3(****)
West	97.3(0.3)	95.0(0.9)	96.3(0.9)	96.7(0.6)	97.6(0.9)	96.3(1.6)	97.2(0.5)
Type Of Location							
Central City	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	94.9(1.2)	96.4(0.5)
Urban Fringe/Large Tow	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	97.8(0.8)	98.9(0.3)
Rural/Small Town	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	98.3(0.7)	98.3(0.9)
Parents' Education Level							
Less than H.S.	93.1(0.8)	90.1(1.6)	91.7(2.3)	91.7(2.2)	93.1(3.3)	89.7(3.1)	92.3(2.9)
Graduated H.S.	97.3(0.3)	95.2(0.8)	96.7(0.9)	94.9(1.0)	96.9(0.9)	96.2(1.2)	96.4(0.8)
Some Educ After H.S.	98.9(0.2)	98.0(0.4)	98.6(0.8)	98.7(0.5)	98.8(0.7)	98.4(0.7)	99.0(0.4)
Graduated College	99.5(0.1)	98.2(0.3)	99.2(0.3)	98.7(0.3)	98.9(0.5)	99.0(0.4)	99.0(0.3)
Unknown	85.8(1.6)	85.4(3.2)	83.9(5.0)	84.8(5.0)	90.3(4.0)	84.3(4.8)	89.3(7.0)
Type Of School							
Public	97.0(0.2)	95.4(0.6)	97.0(0.5)	96.5(0.4)	97.5(0.5)	96.8(0.7)	97.7(0.4)
Non−Public	99.5(0.2)	97.9(0.7)	99.8(****)	99.5(****)	100.0(****)	99.3(0.4)	99.0(****)
Quartiles							
Upper	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
Middle two	99.9(0.1)	99.7(0.1)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
Lower	88.7(0.7)	83.2(1.6)	88.5(1.7)	86.8(1.2)	91.1(1.7)	88.3(2.3)	91.3(1.2)
TELEVISION WATCHED/DAY							
0 − 2 HOURS	*****(****)	*****(****)	98.3(0.8)	98.1(0.5)	98.6(0.4)	98.3(0.6)	99.0(0.4)
3 − 5 HOURS	*****(****)	*****(****)	97.0(0.6)	96.3(0.7)	97.5(0.7)	96.5(0.8)	97.5(0.5)
6 HOURS OR MORE	*****(****)	*****(****)	93.8(1.9)	91.0(1.7)	93.4(2.8)	92.7(2.2)	91.6(1.6)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 200

	1977	1982	1986	1990	1992	1994	1996
RULES CONCERNING TELEVISION VIEWING							
HAVE RULES	*****(****)	*****(****)	95.3(1.1)	95.0(1.2)	96.1(1.4)	95.8(1.6)	97.2(0.9)
DO NOT HAVE RULES	*****(****)	*****(****)	97.6(0.5)	97.0(0.4)	98.0(0.5)	97.3(0.6)	98.0(0.3)
MOTHER'S EDUCATION							
LESS THAN H.S.	*****(****)	93.4(1.3)	93.6(1.8)	93.7(1.6)	95.2(2.3)	92.0(2.3)	94.2(1.8)
GRADUATED H.S.	*****(****)	96.2(0.7)	97.9(0.6)	96.3(0.8)	98.0(0.7)	97.7(0.8)	97.7(0.5)
SOME EDUC AFTER H.S	*****(****)	98.2(0.5)	98.6(0.8)	98.9(0.5)	98.9(0.7)	98.6(0.6)	99.1(0.5)
GRADUATED COLLEGE	*****(****)	98.4(0.3)	99.4(0.4)	98.5(0.4)	98.7(0.7)	98.9(0.5)	99.0(0.4)
UNKNOWN	*****(****)	86.3(2.6)	87.6(3.8)	87.9(3.7)	91.5(3.1)	87.6(3.7)	90.5(5.3)
FATHER'S EDUCATION							
LESS THAN H.S.	*****(****)	91.7(1.4)	95.3(1.6)	95.2(1.1)	95.0(2.0)	93.5(1.9)	96.4(1.1)
GRADUATED H.S.	*****(****)	96.6(0.6)	97.2(1.0)	95.8(0.8)	97.8(0.8)	96.8(1.2)	97.5(0.7)
SOME EDUC AFTER H.S	*****(****)	98.3(0.4)	99.1(0.4)	99.3(0.3)	98.9(0.6)	99.1(0.5)	99.1(0.4)
GRADUATED COLLEGE	*****(****)	97.8(0.6)	99.2(0.4)	98.9(0.3)	99.2(****)	99.3(0.3)	99.1(0.4)
UNKNOWN	*****(****)	86.5(3.1)	89.7(2.2)	88.9(2.7)	93.2(1.9)	90.1(2.3)	91.1(2.9)
TIME WORKED AT PART−TIME JOB							
NONE	*****(****)	*****(****)	97.7(0.4)	97.6(0.6)	98.1(0.5)	97.3(0.7)	98.4(0.4)
< 6 HOURS	*****(****)	*****(****)	98.0(1.1)	97.8(****)	97.0(1.2)	98.5(0.9)	99.0(0.5)
6 TO 10 HOURS	*****(****)	*****(****)	97.2(1.2)	97.6(1.6)	98.9(****)	98.2(0.8)	98.4(0.9)
11 TO 15 HOURS	*****(****)	*****(****)	99.6(****)	97.8(1.4)	99.3(****)	98.9(****)	99.6(****)
16 TO 20 HOURS	*****(****)	*****(****)	99.0(0.5)	99.1(0.6)	98.9(0.6)	99.2(****)	99.3(****)
21 TO 25 HOURS	*****(****)	*****(****)	98.7(****)	97.8(1.1)	98.9(****)	98.8(0.8)	99.1(****)
26 TO 30 HOURS	*****(****)	*****(****)	99.0(****)	98.5(****)	98.8(****)	97.3(1.9)	99.1(****)
> 30 HOURS	*****(****)	*****(****)	97.6(****)	95.1(2.1)	96.6(1.9)	94.9(3.3)	91.5(3.1)
MOTHER/STEPMOTHER EMPLOYMENT							
HAS A FULL−TIME JOB	*****(****)	*****(****)	98.6(0.4)	97.9(0.4)	98.8(0.6)	98.5(0.4)	98.9(0.4)
HAS A PART−TIME JOB	*****(****)	*****(****)	99.3(0.4)	98.6(0.7)	99.0(****)	98.4(1.0)	99.0(0.5)
DOES NOT HAVE A JOB	*****(****)	*****(****)	97.6(0.9)	98.3(0.6)	98.0(0.9)	97.5(1.2)	98.2(1.1)
MTHR LIVES ELSEWHERE	*****(****)	*****(****)	96.2(****)	95.2(2.0)	95.6(2.7)	97.1(****)	95.0(****)
FATHER/STEPFATHER EMPLOYMENT							
HAS A PART−TIME JOB	*****(****)	*****(****)	98.8(0.2)	98.4(0.3)	99.1(0.4)	98.6(0.4)	99.2(0.2)
HAS A FULL−TIME JOB	*****(****)	*****(****)	96.3(2.5)	93.3(3.9)	94.4(3.6)	97.3(****)	98.6(****)
DOES NOT HAVE A JOB	*****(****)	*****(****)	96.7(2.1)	95.1(2.0)	96.1(2.3)	96.8(2.0)	97.2(1.7)
FTHR LIVES ELSEWHERE	*****(****)	*****(****)	96.8(1.4)	97.4(0.9)	97.5(1.6)	96.6(1.6)	95.0(1.9)
HIGH SCHOOL PROGRAM							
GENERAL	*****(****)	*****(****)	95.9(0.8)	94.9(0.6)	96.1(1.0)	95.3(1.0)	96.6(0.6)
ACADEMIC/COLLEGE PREP	*****(****)	*****(****)	98.9(0.5)	98.9(0.3)	99.3(0.3)	99.1(0.3)	99.5(0.4)
VOCATIONAL/TECHNICAL	*****(****)	*****(****)	95.9(1.4)	93.9(2.1)	96.3(1.3)	92.5(3.1)	93.4(2.0)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 200

	1977	1982	1986	1990	1992	1994	1996
CURRENT ENGLISH CLASS							
NONE	*****(****)	*****(****)	95.6(2.7)	91.8(4.0)	89.2(****)	88.6(5.6)	94.1(****)
ADVNCD PLCMNT/HONORS	*****(****)	*****(****)	98.1(1.0)	99.0(****)	98.5(****)	98.3(0.8)	99.3(0.4)
COLLEGE PREP	*****(****)	*****(****)	99.0(0.7)	99.1(0.4)	99.4(0.3)	99.0(0.4)	98.9(0.6)
GENERAL	*****(****)	*****(****)	96.8(0.5)	95.7(0.6)	97.5(0.6)	96.7(0.8)	97.4(0.5)
REMEDIAL	*****(****)	*****(****)	89.8(7.2)	89.5(6.7)	89.5(5.8)	*****(****)	*****(****)
CURRENTLY TAKING SCIENCE							
YES	*****(****)	*****(****)	97.7(0.5)	97.2(0.5)	98.3(0.4)	98.1(0.5)	98.4(0.4)
NO	*****(****)	*****(****)	97.8(0.7)	97.1(0.5)	97.9(0.6)	95.9(1.5)	97.4(1.0)
GENERAL SCIENCE COURSE							
HAVE TAKEN	*****(****)	*****(****)	98.0(0.4)	97.8(0.2)	98.4(0.4)	98.1(0.6)	98.6(0.3)
HAVE NOT TAKEN	*****(****)	*****(****)	97.0(1.2)	95.8(1.2)	96.9(1.3)	96.4(1.3)	97.4(1.0)
BIOLOGY COURSE							
HAVE TAKEN	*****(****)	*****(****)	98.3(0.4)	98.1(0.2)	98.6(0.3)	98.6(0.3)	98.7(0.3)
HAVE NOT TAKEN	*****(****)	*****(****)	94.2(2.0)	92.5(2.3)	93.3(2.5)	87.8(4.4)	94.9(2.3)
CHEMISTRY COURSE							
HAVE TAKEN	*****(****)	*****(****)	99.2(0.3)	99.4(0.3)	99.8(****)	99.6(0.3)	99.7(0.1)
HAVE NOT TAKEN	*****(****)	*****(****)	96.9(0.6)	96.0(0.5)	96.9(0.6)	96.0(1.1)	96.9(0.8)
PHYSICS COURSE							
HAVE TAKEN	*****(****)	*****(****)	95.2(2.3)	96.7(1.5)	97.7(1.0)	97.6(0.7)	98.1(0.8)
HAVE NOT TAKEN	*****(****)	*****(****)	98.1(0.3)	97.5(0.4)	98.3(0.5)	97.9(0.6)	98.4(0.4)
PARTICIPATION IN LITTER CLEAN−UP PROJECT							
MANY TIMES	93.2(2.6)	92.0(2.2)	94.0(2.6)	93.7(3.1)	97.1(1.4)	95.4(2.2)	98.3(****)
NOT OFTEN, > 2 TIMES	96.7(0.9)	95.6(1.7)	97.2(1.3)	96.1(1.1)	95.7(1.9)	98.6(0.8)	98.3(1.0)
1 OR 2 TIMES	97.5(0.7)	95.4(1.2)	97.6(1.2)	98.2(0.7)	98.8(0.5)	98.0(1.0)	98.7(0.6)
NEVER	96.6(1.0)	93.1(1.4)	98.2(0.7)	96.7(0.9)	97.6(1.1)	95.3(1.6)	95.6(1.1)
SEPARATE TRASH FOR RECYCLING							
MANY TIMES	95.4(1.7)	93.6(1.7)	97.3(1.4)	97.9(1.2)	98.2(0.7)	97.5(1.0)	97.9(0.9)
NOT OFTEN, > 2 TIMES	96.0(1.2)	94.6(1.5)	97.4(1.2)	97.9(0.9)	98.5(****)	97.5(1.1)	99.1(0.6)
1 OR 2 TIMES	96.6(1.3)	95.8(1.3)	98.7(0.8)	97.3(1.0)	98.0(1.2)	96.8(1.3)	97.9(1.3)
NEVER	97.1(0.8)	93.9(1.4)	96.9(1.1)	95.1(1.6)	94.6(1.6)	95.3(2.4)	94.5(2.8)
HOW MUCH CAN SCIENCE PREVENT STARVATION							
NONE	89.9(5.7)	92.7(4.8)	92.7(3.1)	95.2(1.6)	96.7(1.6)	95.6(1.7)	95.7(1.7)
SOME	96.2(0.7)	96.2(0.9)	97.3(0.9)	96.6(0.9)	97.7(0.9)	97.3(0.9)	97.9(0.6)
VERY MUCH	98.0(0.4)	96.2(1.4)	99.1(0.5)	98.2(0.7)	97.9(1.0)	97.5(1.2)	98.0(1.1)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 200

	1977	1982	1986	1990	1992	1994	1996
HOW MUCH CAN SCIENCE PREVENT ENERGY SHORTAGE							
NONE	90.2(6.0)	*****(****)	88.7(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	94.2(1.5)	94.9(1.4)	95.5(1.6)	95.3(1.3)	95.5(1.3)	93.9(2.5)	94.6(1.4)
VERY MUCH	98.0(0.4)	96.6(1.0)	98.6(0.5)	98.3(0.5)	98.7(0.6)	98.5(0.6)	99.2(0.3)
HOW MUCH CAN SCIENCE FIND CURES FOR DISEASES							
NONE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	92.0(2.7)	93.6(2.6)	94.3(3.0)	93.1(2.4)	92.7(2.8)	92.2(2.4)	95.1(2.3)
VERY MUCH	97.7(0.5)	96.5(0.7)	98.6(0.4)	98.0(0.6)	98.5(0.5)	98.3(0.7)	98.4(0.5)
HOW MUCH CAN SCIENCE CONTROL WEATHER							
NONE	95.5(0.8)	95.9(1.2)	97.4(0.8)	97.3(0.7)	97.6(0.9)	97.5(0.8)	97.7(0.7)
SOME	97.7(0.6)	96.1(1.0)	97.2(1.2)	96.6(1.1)	97.4(1.1)	95.7(1.7)	97.5(0.8)
VERY MUCH	97.6(1.0)	95.9(1.9)	98.3(0.9)	96.9(1.3)	97.8(1.5)	98.4(1.0)	97.8(1.1)
HOW MUCH CAN SCIENCE PREVENT WARS							
NONE	96.3(1.0)	95.8(1.3)	97.9(0.7)	96.7(0.7)	97.4(0.8)	96.8(1.1)	97.3(0.8)
SOME	98.0(0.6)	96.4(0.9)	97.5(1.1)	97.9(0.8)	98.3(1.0)	98.1(0.8)	99.0(0.5)
VERY MUCH	94.9(2.0)	95.4(1.9)	96.1(2.0)	95.0(2.8)	95.7(1.9)	93.8(2.7)	93.6(2.5)
HOW MUCH CAN SCIENCE PREVENT BIRTH DEFECTS							
NONE	91.4(3.0)	92.2(3.2)	89.3(3.9)	89.8(3.3)	89.3(3.8)	87.9(6.0)	93.0(3.7)
SOME	96.5(0.7)	96.0(1.0)	97.1(1.1)	96.4(1.0)	97.9(0.6)	96.2(1.3)	96.5(0.8)
VERY MUCH	98.2(0.5)	96.7(0.9)	99.1(0.5)	98.7(0.6)	98.7(0.6)	98.9(0.4)	99.0(0.4)
HOW MUCH CAN SCIENCE SAVE NATURAL RESOURCES							
NONE	96.0(2.7)	96.3(2.4)	94.3(3.2)	86.4(4.8)	92.6(4.6)	91.2(4.5)	88.7(5.5)
SOME	96.5(0.8)	96.0(1.2)	96.8(1.1)	96.0(1.0)	96.8(1.0)	96.6(1.2)	97.1(1.1)
VERY MUCH	97.2(0.7)	96.1(1.0)	98.2(0.8)	98.3(0.6)	98.6(0.5)	97.8(0.7)	98.6(0.4)
HOW MUCH CAN SCIENCE REDUCE POLLUTION							
NONE	86.1(5.7)	92.1(3.3)	91.2(2.8)	90.1(4.4)	88.7(4.7)	89.0(5.4)	87.7(5.7)
SOME	96.3(0.7)	95.4(1.0)	97.0(1.1)	95.9(1.1)	96.9(0.9)	96.0(1.4)	96.8(1.3)
VERY MUCH	98.1(0.4)	97.1(1.0)	98.4(0.7)	98.3(0.8)	98.5(0.5)	98.1(0.6)	98.9(0.3)
HOW MUCH CAN SCIENCE REDUCE OVERPOPULATION							
NONE	94.1(1.4)	95.0(1.6)	96.7(1.2)	96.0(1.1)	97.1(0.8)	97.3(1.0)	97.4(1.0)
SOME	97.8(0.5)	96.7(0.8)	98.2(0.7)	98.3(0.7)	97.9(0.9)	97.6(0.8)	98.1(0.6)
VERY MUCH	97.7(0.9)	96.1(1.4)	97.5(1.3)	96.2(1.5)	97.8(1.2)	94.3(1.8)	96.9(1.2)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 200

	1977	1982	1986	1990	1992	1994	1996
SCIENCE HELPS ONE UNDERSTAND THEIR BODY							
STRONGLY AGREE	97.3(0.8)	96.5(1.5)	98.4(0.6)	98.9(0.6)	99.0(0.7)	98.3(0.7)	99.3(0.4)
AGREE	97.2(0.7)	96.3(0.8)	98.1(0.7)	97.2(0.8)	97.7(0.9)	97.2(1.0)	97.8(0.7)
NO OPINION	96.7(1.3)	94.0(1.3)	94.5(****)	91.5(2.3)	93.8(2.1)	92.1(2.9)	90.5(4.4)
DISAGREE	96.5(2.3)	94.7(3.4)	90.9(4.3)	*****(****)	*****(****)	*****(****)	*****(****)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE NOT USEFUL OUTSIDE OF CLASS							
STRONGLY AGREE	95.8(2.2)	95.1(2.6)	97.0(****)	96.9(1.9)	94.6(2.5)	93.3(****)	90.5(4.8)
AGREE	96.2(1.0)	96.3(1.5)	96.0(1.8)	95.3(1.5)	95.8(2.9)	96.3(2.4)	94.6(2.1)
NO OPINION	96.3(1.1)	95.1(1.6)	94.3(2.7)	93.1(2.5)	96.7(1.6)	92.6(2.4)	97.4(1.4)
DISAGREE	97.3(0.7)	96.0(0.9)	98.4(0.6)	97.9(0.8)	97.9(0.7)	98.2(0.5)	98.7(0.6)
STRONGLY DISAGREE	98.3(0.8)	95.3(1.4)	99.2(0.5)	98.3(1.2)	99.4(****)	98.7(****)	99.0(****)
SCIENCE GOOD ONLY IN LABORATORY							
STRONGLY AGREE	92.7(4.0)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	95.4(2.4)	94.9(1.8)	94.4(3.5)	94.6(2.2)	94.6(2.7)	88.2(4.5)	96.3(2.0)
NO OPINION	96.4(1.3)	97.2(1.3)	96.8(1.7)	94.2(1.7)	96.0(1.5)	95.3(2.2)	96.0(1.9)
DISAGREE	97.7(0.7)	95.9(0.8)	98.2(0.7)	98.2(0.5)	98.2(0.7)	97.9(0.6)	98.5(0.6)
STRONGLY DISAGREE	97.7(1.2)	96.2(1.0)	98.6(0.7)	98.0(1.1)	98.9(****)	99.4(****)	99.3(****)
CAN STUDENTS HELP SOLVE POLLUTION							
DEFINITELY YES	98.6(0.4)	97.4(1.2)	98.3(0.8)	98.8(0.6)	99.1(0.3)	98.1(0.8)	98.2(0.8)
PROBABLY YES	96.4(0.8)@	95.5(1.2)	98.2(0.9)	97.7(1.0)	98.1(0.8)	97.4(0.9)	98.8(0.4)
NOT SURE	93.2(1.7)	92.4(1.9)	95.3(1.8)	88.7(3.4)	92.3(2.2)	92.0(2.5)	93.3(2.5)
PROBABLY NOT	95.5(1.7)	93.5(1.6)	97.9(1.1)	95.1(1.9)	97.3(1.7)	96.3(2.5)	97.2(1.5)
DIFINITELY NOT	*****(****)	87.7(3.7)	90.2(****)	*****(****)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE ENERGY WASTE							
DEFINITELY YES	97.9(0.6)	96.8(1.1)	98.4(1.1)	99.5(****)	99.1(****)	98.5(0.8)	98.2(1.0)
PROBABLY YES	96.7(0.7)	95.4(1.3)	97.7(0.8)	97.4(0.9)	98.6(0.5)	97.1(1.1)	98.6(0.8)
NOT SURE	94.8(1.4)	92.6(2.0)	95.6(1.7)	92.7(2.4)	95.6(1.7)	94.8(2.1)	95.8(1.9)
PROBABLY NOT	96.1(1.3)	94.0(1.5)	98.5(****)	96.2(1.3)	95.1(2.3)	95.6(1.6)	97.6(1.4)
DEFINITELY NOT	94.7(****)	87.8(4.5)	93.3(****)	91.4(4.0)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE FOOD SHORTAGES							
DEFINITELY YES	97.0(1.0)	92.5(2.6)	97.3(1.3)	97.5(1.4)	97.5(1.2)	96.9(****)	96.8(1.9)
PROBABLY YES	96.9(0.7)	94.8(1.2)	98.0(0.9)	97.1(0.9)	98.0(0.6)	97.3(1.1)	97.8(1.0)
NOT SURE	96.3(1.2)	94.4(1.9)	95.4(1.8)	95.0(1.3)	97.7(1.0)	95.1(1.7)	97.7(1.2)
PROBABLY NOT	97.0(0.8)	95.3(1.3)	98.6(****)	98.1(1.0)	99.0(0.6)	98.2(1.0)	98.5(0.8)
DEFINITELY NOT	93.3(4.3)	94.5(2.7)	96.0(****)	94.9(2.8)	91.0(5.6)	97.7(****)	94.7(3.3)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 200

	1977	1982	1986	1990	1992	1994	1996
STUDENTS HELP SOLVE OVERPOPULATION							
DEFINITELY YES	98.5(0.4)	96.9(1.6)	98.7(****)	97.4(1.8)	99.4(****)	97.2(1.3)	96.6(2.0)
PROBABLY YES	97.9(0.9)	96.4(1.3)	98.1(1.3)	98.0(0.8)	97.2(1.6)	96.0(1.7)	99.2(****)
NOT SURE	94.2(1.5)	92.6(2.1)	94.3(2.2)	94.0(2.3)	96.2(1.6)	92.1(2.2)	95.3(2.3)
PROBABLY NOT	96.4(1.0)	94.4(1.5)	98.1(1.1)	97.5(0.9)	98.3(0.9)	98.8(****)	98.7(0.6)
DEFINITELY NOT	93.3(1.7)	92.6(2.1)	97.5(1.2)	96.7(1.2)	97.5(1.4)	98.2(0.7)	97.0(1.0)
STUDENTS HELP SAVE NATURAL RESOURCES							
DEFINITELY YES	98.7(0.6)	96.8(1.4)	98.9(****)	98.2(****)	98.8(****)	98.3(****)	97.4(****)
PROBABLY YES	97.6(0.9)	95.8(1.4)	98.6(0.6)	98.2(0.9)	98.9(0.6)	97.8(1.1)	98.5(0.7)
NOT SURE	95.1(1.3)	93.0(1.5)	95.6(1.1)	94.5(2.0)	95.5(1.6)	94.4(2.0)	97.3(1.1)
PROBABLY NOT	97.0(0.9)	94.7(1.3)	97.6(1.4)	97.4(1.3)	98.7(0.8)	97.9(1.0)	98.0(1.0)
DEFINITELY NOT	95.0(1.6)	93.8(1.7)	97.6(****)	93.5(2.1)	93.9(3.4)	95.7(2.3)	95.7(2.5)
STUDENTS HELP SOLVE ACCIDENTS							
DEFINITELY YES	97.4(1.0)	94.3(2.1)	97.1(1.4)	96.4(1.6)	97.5(****)	96.3(1.7)	97.5(0.9)
PROBABLY YES	97.4(0.7)	94.8(1.3)	97.5(1.1)	97.8(0.8)	97.8(1.0)	96.2(1.6)	98.7(0.6)
NOT SURE	94.2(1.6)	93.2(2.1)	95.8(2.5)	93.6(1.8)	97.1(1.3)	95.5(2.4)	97.0(1.9)
PROBABLY NOT	96.8(1.0)	96.7(1.0)	98.8(****)	98.0(****)	98.3(****)	98.8(0.8)	97.7(1.1)
DEFINITELY YES	95.9(1.3)	92.4(2.3)	97.3(1.4)	96.8(1.4)	97.6(1.2)	98.1(0.7)	96.6(2.0)
SCIENCE CLASSES ARE USEFUL							
STRONGLY AGREE	96.5(1.1)	96.1(1.2)	98.4(0.8)	97.4(0.8)	98.9(0.7)	98.6(0.8)	98.9(****)
AGREE	97.9(0.4)	96.4(1.0)	97.8(0.6)	97.1(0.7)	98.8(0.5)	97.2(0.7)	98.2(0.6)
NO OPINION	97.5(1.1)	94.3(1.7)	96.2(2.0)	94.9(1.7)	94.5(3.6)	94.6(2.9)	97.2(1.9)
DISAGREE	95.6(2.5)	95.3(3.0)	97.3(1.9)	97.3(****)	94.4(2.9)	97.8(****)	96.1(2.6)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE CLASSES UNRELATED TO REAL WORLD							
STRONGLY AGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	96.4(2.3)	94.6(2.6)	96.2(****)	91.2(3.0)	97.4(****)	95.7(2.9)	95.8(2.1)
NO OPINION	97.3(1.4)	94.7(2.7)	96.6(1.2)	95.6(1.9)	95.7(2.0)	95.8(2.0)	97.4(1.5)
DISAGREE	97.5(0.6)	96.2(1.0)	98.3(0.7)	97.3(0.9)	98.5(0.9)	98.1(0.8)	98.5(0.6)
STRONGLY DISAGREE	97.5(0.7)	96.5(1.3)	98.2(1.0)	98.7(0.7)	98.8(0.5)	98.1(1.0)	98.9(****)
SCIENCE SHOULD BE REQUIRED IN SCHOOL							
STRONGLY AGREE	95.8(1.2)	95.0(1.3)	98.0(1.0)	97.6(0.8)	98.3(0.9)	97.4(1.1)	98.7(****)
AGREE	97.2(0.6)	96.3(0.9)	98.2(0.6)	96.9(0.8)	98.4(0.9)	98.0(0.8)	97.8(0.7)
NO OPINION	97.9(1.0)	96.4(2.4)	97.3(1.7)	96.5(1.6)	97.5(1.2)	95.7(2.4)	98.1(****)
DISAGREE	98.6(0.6)	96.8(1.8)	97.0(2.0)	95.0(1.9)	97.7(****)	98.1(****)	98.4(****)
STRONGLY DISAGREE	98.5(****)	96.0(2.8)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 200

	1977	1982	1986	1990	1992	1994	1996
SCIENCE CLASSES USEFUL IN EVERYDAY LIFE							
STRONGLY AGREE	94.2(1.8)	94.4(2.2)	96.9(****)	95.8(1.4)	97.4(1.8)	96.2(1.9)	98.0(****)
AGREE	97.3(0.9)	95.5(1.2)	97.5(0.8)	96.7(1.0)	98.5(0.7)	97.5(0.9)	97.7(0.9)
NO OPINION	97.7(0.7)	97.2(1.8)	98.3(0.9)	97.1(1.2)	97.1(1.7)	97.0(1.3)	98.3(0.9)
DISAGREE	98.6(0.5)	97.1(1.0)	98.4(0.8)	97.8(1.2)	99.2(****)	98.4(1.0)	99.1(****)
STRONGLY DISAGREE	98.3(1.2)	95.9(****)	96.8(****)	96.9(****)	95.1(2.4)	*****(****)	*****(****)
SCIENCE CLASSES WILL BE USEFUL IN FUTURE							
STRONGLY AGREE	96.3(1.2)	95.2(1.8)	96.3(1.4)	97.2(0.9)	97.8(1.0)	97.1(1.3)	97.9(0.8)
AGREE	97.2(0.4)	96.1(1.1)	98.3(0.7)	97.1(1.0)	99.0(0.6)	97.6(0.8)	98.1(0.6)
NO OPINION	98.0(0.8)	96.8(1.7)	97.7(0.7)	96.1(1.0)	97.4(1.5)	96.7(1.8)	98.2(****)
DISAGREE	98.4(0.8)	96.5(2.5)	98.5(0.9)	97.7(****)	97.0(****)	98.4(****)	99.2(****)
STRONGLY DISAGREE	96.8(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENTISTS SHOULD EXPERIMENT ON PEOPLE W/OUT APPROVAL							
ALWAYS	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	95.3(2.1)	91.3(3.1)	93.8(2.5)	91.8(4.7)	95.5(2.9)	93.2(4.1)	92.5(4.1)
SELDOM	98.2(0.8)	95.9(1.8)	96.7(1.5)	97.5(1.3)	97.4(****)	95.7(2.8)	99.2(****)
NEVER	97.3(0.4)	95.3(1.0)	98.2(0.5)	97.4(0.6)	98.4(0.6)	98.0(0.6)	98.6(0.5)
SCIENTISTS SHOULD CREATE DISEASES FOR WARFARE							
ALWAYS	*****(****)	89.0(4.4)	93.1(****)	87.9(4.7)	93.6(****)	96.0(****)	*****(****)
OFTEN	*****(****)	84.1(4.1)	91.5(4.2)	*****(****)	*****(****)	92.9(4.3)	*****(****)
SOMETIMES	95.8(1.5)	92.0(2.7)	96.3(****)	95.2(2.7)	98.9(****)	95.3(1.7)	96.3(2.0)
SELDOM	97.8(1.1)	94.9(1.1)	96.6(2.1)	96.6(1.5)	98.3(1.1)	95.1(2.8)	98.5(****)
NEVER	97.4(0.4)	96.3(1.0)	98.6(0.3)	97.7(0.6)	98.3(0.7)	98.1(0.6)	98.5(0.6)
SCIENTISTS SHOULD WORK ON SECRET PROJECTS							
ALWAYS	95.4(1.7)	93.0(1.9)	97.4(1.6)	95.4(1.8)	97.0(****)	96.8(1.8)	96.9(1.4)
OFTEN	96.7(1.0)	94.8(1.7)	96.2(1.7)	97.3(1.4)	98.1(****)	97.3(1.3)	98.3(****)
SOMETIMES	97.4(0.6)	95.2(1.2)	98.5(0.6)	97.6(0.7)	98.2(1.2)	97.4(0.8)	98.3(0.6)
SELDOM	97.9(1.1)	95.1(2.1)	98.4(****)	97.5(1.2)	98.7(0.6)	98.3(****)	99.1(****)
NEVER	96.7(1.1)	92.4(4.1)	97.5(1.4)	95.9(1.1)	97.5(1.1)	96.7(1.6)	97.3(1.3)
SCIENTISTS SHOULD CONTROL PEOPLE'S ACTIONS							
ALWAYS	*****(****)	76.4(7.8)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	86.7(5.8)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	96.7(1.3)	92.1(2.7)	93.8(3.1)	95.3(2.5)	98.6(****)	96.4(2.4)	96.0(2.5)
SELDOM	97.9(0.6)	96.1(1.6)	97.2(1.3)	97.8(1.2)	97.7(****)	97.5(****)	98.1(1.2)
NEVER	97.4(0.5)	96.0(0.8)	98.7(0.4)	97.5(0.6)	98.5(0.5)	98.0(0.6)	98.7(0.5)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 200

	1977	1982	1986	1990	1992	1994	1996
SUBJECT STUDIED BY RACE/ETHNICITY							
GEN SCI − WHITE	*****(****)	*****(****)	99.0(0.3)	99.4(0.3)	99.4(0.3)	99.5(0.2)	99.4(0.3)
GEN SCI − BLACK	*****(****)	*****(****)	92.8(2.1)	91.1(2.0)	93.6(2.1)	92.8(2.3)	95.2(1.4)
GEN SCI − HISPANIC	*****(****)	*****(****)	96.3(1.6)	93.9(2.8)	96.7(2.1)	93.8(3.1)	96.7(1.5)
BIOLOGY − WHITE	*****(****)	*****(****)	99.2(0.3)	99.5(0.2)	99.6(0.2)	99.7(0.1)	99.5(0.2)
BIOLOGY − BLACK	*****(****)	*****(****)	93.9(1.8)	91.8(1.5)	94.2(1.7)	95.0(1.5)	95.3(1.2)
BIOLOGY − HISPANIC	*****(****)	*****(****)	95.6(2.2)	95.4(****)	96.8(1.6)	94.8(2.1)	96.8(1.9)
CHEMISTRY − WHITE	*****(****)	*****(****)	99.6(0.2)	99.9(****)	99.8(****)	99.9(****)	99.9(0.1)
CHEMISTRY − BLACK	*****(****)	*****(****)	96.4(1.8)	97.2(1.6)	99.2(****)	98.2(****)	98.9(0.7)
CHEMISTRY − HISPANIC	*****(****)	*****(****)	98.2(****)	100.0(****)	100.0(****)	98.9(****)	99.7(****)
PHYSICS − WHITE	*****(****)	*****(****)	98.2(****)	99.3(****)	99.5(****)	99.5(****)	99.1(****)
PHYSICS − BLACK	*****(****)	*****(****)	86.1(8.7)	90.2(6.8)	*****(****)	90.4(4.7)	94.6(3.3)
PHYSICS − HISPANIC	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SUBJECT STUDIED BY GENDER							
GEN SCI − MALE	*****(****)	*****(****)	98.4(0.6)	98.1(0.5)	98.6(0.5)	98.1(0.7)	98.4(0.4)
GEN SCI − FEMALE	*****(****)	*****(****)	97.7(0.4)	97.6(0.5)	98.2(0.6)	98.1(0.8)	98.8(0.4)
BIOLOGY − MALE	*****(****)	*****(****)	98.7(0.5)	98.3(0.5)	98.9(0.5)	98.6(0.4)	98.4(0.3)
BIOLOGY − FEMALE	*****(****)	*****(****)	98.0(0.5)	97.9(0.4)	98.3(0.5)	98.7(0.5)	98.9(0.5)
CHEMISTRY − MALE	*****(****)	*****(****)	99.3(****)	99.4(0.3)	99.7(****)	99.5(0.3)	99.5(0.2)
CHEMISTRY − FEMALE	*****(****)	*****(****)	99.1(0.4)	99.4(****)	99.9(****)	99.6(****)	99.9(****)
PHYSICS − MALE	*****(****)	*****(****)	96.0(****)	96.7(1.7)	97.8(1.5)	97.2(0.8)	97.4(1.8)
PHYSICS − FEMALE	*****(****)	*****(****)	94.0(2.6)	96.6(2.0)	97.7(****)	98.5(0.9)	99.0(****)
DIFFERENCES							
WHITE − BLACK	15.5(1.3)@	18.9(1.9)	8.0(2.1)	10.7(1.9)	7.3(1.9)	8.2(2.0)	6.3(1.3)
WHITE − HISPANIC	6.1(1.7)	11.7(2.9)	5.6(2.4)	7.1(2.2)	4.7(2.6)	9.4(3.3)	5.2(1.7)
MALE − FEMALE	1.4(0.4)	2.1(1.0)	0.6(****)	0.2(****)	0.4(****)	−0.1(****)	−0.6(****)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 250

	1977	1982	1986	1990	1992	1994	1996
-- Total --	81.6(0.7)	76.6(1.0)	80.7(1.3)	81.2(0.9)	83.3(1.2)	83.1(1.2)	83.8(0.9)
Gender							
Male	85.2(0.7)	81.2(1.2)	82.4(1.4)	82.5(1.2)	85.0(1.4)	84.9(1.3)	83.8(1.1)
Female	78.0(1.0)@	72.2(1.3)	79.1(1.7)	79.9(1.4)	81.6(1.4)	81.6(1.6)	83.7(1.1)
Race/Ethnicity							
White	88.2(0.4)@	84.9(0.9)	87.8(1.4)	89.6(0.8)	90.5(1.0)	91.5(0.9)	91.2(0.7)
Black	40.5(1.5)@	35.0(2.1)	52.2(3.2)	51.4(3.7)	55.7(3.7)	58.1(3.7)	59.8(3.2)
Hispanic	61.5(1.7)	48.0(2.7)	60.0(7.2)	59.9(5.0)	68.3(6.6)	58.6(7.4)	67.6(4.5)
Other	78.7(2.9)	65.4(5.8)	71.0(7.0)	79.2(3.8)	78.4(4.4)	82.7(5.0)	79.5(6.0)
Grade							
Below Modal Grade	53.6(1.4)@	49.9(2.6)	58.1(2.8)	59.5(2.5)	61.0(3.1)	60.2(2.9)	67.2(2.5)
At Modal Grade	86.0(0.6)@	81.3(1.0)	85.2(1.4)	87.2(0.8)	90.5(0.9)	89.1(0.8)	89.3(0.8)
Above Modal Grade	88.2(1.0)	83.0(2.4)	86.8(2.6)	86.8(2.3)	88.7(2.9)	89.2(3.1)	84.4(3.0)
Region							
Northeast	85.4(1.6)	77.5(1.9)	80.8(3.9)	82.1(2.8)	85.8(2.3)	85.5(2.9)	83.9(2.4)
Southeast	72.2(1.5)	71.2(2.3)	76.9(1.9)	76.8(2.2)	76.1(2.0)	80.2(2.4)	78.9(1.9)
Central	85.1(1.1)@	81.1(2.3)	85.7(1.8)	86.9(2.0)	90.3(2.2)	85.4(2.9)	91.1(1.6)
West	79.9(1.2)	74.8(2.5)	78.8(3.0)	79.0(1.9)	81.7(3.0)	81.7(3.0)	81.2(2.1)
Type Of Location							
Central City	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	76.5(3.1)	78.8(2.4)
Urban Fringe/Large Tow	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	85.5(1.6)	87.7(1.7)
Rural/Small Town	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	86.6(1.8)	85.0(2.3)
Parents' Education Level							
Less than H.S.	64.8(1.5)	58.2(2.6)	59.8(3.5)	62.0(4.3)	61.2(4.8)	57.0(5.3)	57.5(5.5)
Graduated H.S.	80.0(1.0)	72.3(1.5)	74.1(2.1)	73.4(1.5)	76.6(2.5)	75.6(2.1)	76.4(2.3)
Some Educ After H.S.	87.0(0.8)	83.1(1.4)	86.8(1.9)	88.1(1.6)	87.5(1.3)	86.6(1.6)	87.7(1.3)
Graduated College	92.9(0.5)	86.7(1.4)	89.6(1.4)	88.9(1.1)	90.2(1.3)	92.1(0.8)	90.1(1.3)
Unknown	52.7(2.6)	52.1(4.2)	47.4(7.9)	48.5(5.5)	54.1(7.5)	45.7(6.7)	53.3(7.8)
Type Of School							
Public	80.8(0.7)	75.8(1.0)	80.1(1.4)	80.4(0.9)	82.0(1.2)	81.7(1.3)	83.2(1.0)
Non−Public	92.9(1.2)	83.5(2.8)	96.5(2.2)	90.6(4.1)	95.5(2.0)	93.1(2.3)	90.1(3.0)
Quartiles							
Upper	99.7(0.1)	99.5(0.2)	100.0(****)	100.0(****)	100.0(****)	100.0(****)	100.0(****)
Middle two	91.9(0.4)@	88.1(0.7)	95.8(0.6)	96.5(0.6)	97.5(0.6)	97.6(0.6)	97.9(0.9)
Lower	42.6(1.1)	30.5(1.5)	31.2(2.4)	31.7(2.2)	38.2(3.0)	37.3(2.3)	39.2(2.9)
TELEVISION WATCHED/DAY							
0 − 2 HOURS	*****(****)	*****(****)	86.6(1.8)	87.4(1.0)	89.7(1.0)	89.6(1.2)	90.2(0.8)
3 − 5 HOURS	*****(****)	*****(****)	79.1(1.5)	78.0(1.8)	78.9(1.7)	79.5(1.5)	80.0(1.5)
6 HOURS OR MORE	*****(****)	*****(****)	62.1(3.6)	60.9(3.0)	60.5(4.0)	60.8(4.0)	57.1(3.8)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 250

	1977	1982	1986	1990	1992	1994	1996
RULES CONCERNING TELEVISION VIEWING							
HAVE RULES	*****(****)	*****(****)	74.8(3.2)	78.7(2.0)	80.2(2.6)	81.4(2.9)	81.6(2.6)
DO NOT HAVE RULES	*****(****)	*****(****)	81.8(1.2)	81.7(1.0)	83.8(1.2)	83.5(1.2)	84.1(0.9)
MOTHER'S EDUCATION							
LESS THAN H.S.	*****(****)	66.9(2.0)	66.2(2.8)	67.1(3.5)	68.9(3.6)	65.2(3.4)	65.8(3.6)
GRADUATED H.S.	*****(****)	75.2(1.7)@	80.9(1.6)	79.8(1.5)	82.1(1.6)	82.2(2.0)	81.9(1.7)
SOME EDUC AFTER H.S	*****(****)	85.3(1.5)	87.8(1.9)	88.7(1.4)	88.1(1.5)	88.8(1.9)	88.7(1.5)
GRADUATED COLLEGE	*****(****)	88.2(1.4)	89.5(1.8)	88.8(1.5)	90.4(1.3)	92.1(1.1)	90.7(1.4)
UNKNOWN	*****(****)	52.5(4.0)	54.5(5.5)	54.1(4.0)	60.6(6.5)	51.2(4.7)	57.6(5.4)
FATHER'S EDUCATION							
LESS THAN H.S.	*****(****)	62.8(2.2)	69.5(2.3)	72.8(3.2)	70.8(2.9)	67.9(3.5)	70.7(3.0)
GRADUATED H.S.	*****(****)	78.2(1.3)	77.7(2.4)	76.9(1.5)	80.6(2.0)	80.2(1.8)	81.1(1.5)
SOME EDUC AFTER H.S	*****(****)	84.5(1.2)@	89.4(2.3)	90.6(1.9)	89.4(1.3)	89.7(1.5)	90.1(1.2)
GRADUATED COLLEGE	*****(****)	86.0(1.6)	91.1(1.4)	90.2(1.0)	91.1(1.3)	93.8(0.9)	91.1(1.4)
UNKNOWN	*****(****)	53.5(5.3)	56.5(5.3)	56.8(4.2)	63.1(4.5)	58.0(4.9)	58.1(4.3)
TIME WORKED AT PART-TIME JOB							
NONE	*****(****)	*****(****)	81.7(1.4)	81.9(1.5)	84.2(1.5)	84.6(1.3)	85.5(1.5)
< 6 HOURS	*****(****)	*****(****)	82.2(4.2)	84.3(3.7)	84.9(3.6)	86.2(3.5)	88.6(2.1)
6 TO 10 HOURS	*****(****)	*****(****)	80.5(4.3)	84.7(3.0)	86.5(2.3)	89.9(2.0)	89.9(2.3)
11 TO 15 HOURS	*****(****)	*****(****)	88.2(2.4)	88.9(2.1)	89.6(2.4)	90.2(2.2)	91.5(2.9)
16 TO 20 HOURS	*****(****)	*****(****)	89.1(2.4)	87.7(1.8)	88.4(2.1)	88.8(2.2)	89.1(2.2)
21 TO 25 HOURS	*****(****)	*****(****)	87.4(3.4)	86.8(2.5)	87.2(2.2)	91.6(2.8)	84.8(3.0)
26 TO 30 HOURS	*****(****)	*****(****)	81.4(5.2)	81.7(3.6)	86.4(5.3)	82.7(5.4)	81.8(5.1)
> 30 HOURS	*****(****)	*****(****)	81.1(4.0)	76.0(5.8)	78.6(9.1)	76.2(6.0)	74.4(5.9)
MOTHER/STEPMOTHER EMPLOYMENT							
HAS A FULL-TIME JOB	*****(****)	*****(****)	84.9(1.5)	84.8(1.3)	87.8(1.1)	88.7(1.2)	88.1(0.9)
HAS A PART-TIME JOB	*****(****)	*****(****)	88.1(2.3)	90.1(1.8)	90.5(1.9)	89.2(2.4)	89.8(2.2)
DOES NOT HAVE A JOB	*****(****)	*****(****)	82.6(1.9)	85.5(1.7)	85.5(2.4)	85.4(2.3)	84.7(2.2)
MTHR LIVES ELSEWHERE	*****(****)	*****(****)	79.3(7.9)	80.4(4.3)	80.6(6.8)	83.9(3.3)	80.3(6.1)
FATHER/STEPFATHER EMPLOYMENT							
HAS A PART-TIME JOB	*****(****)	*****(****)	86.3(1.4)	87.5(0.8)	89.8(0.9)	89.7(1.0)	89.9(0.9)
HAS A FULL-TIME JOB	*****(****)	*****(****)	77.7(6.5)	71.4(7.2)	72.6(7.2)	79.4(6.9)	80.5(7.4)
DOES NOT HAVE A JOB	*****(****)	*****(****)	76.5(4.5)	76.3(5.0)	76.6(5.8)	79.9(3.7)	76.1(6.8)
FTHR LIVES ELSEWHERE	*****(****)	*****(****)	78.6(3.6)	79.1(3.7)	82.3(3.8)	82.4(2.9)	76.4(3.3)
HIGH SCHOOL PROGRAM							
GENERAL	*****(****)	*****(****)	73.3(1.7)	72.1(1.8)	72.0(1.8)	74.4(2.2)	75.8(1.6)
ACADEMIC/COLLEGE PREP	*****(****)	*****(****)	89.0(1.6)	90.5(1.1)	93.3(0.8)	91.5(0.8)	91.8(0.8)
VOCATIONAL/TECHNICAL	*****(****)	*****(****)	71.4(3.6)	67.3(3.8)	70.4(3.7)	63.6(4.4)	67.5(3.7)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 250

	1977	1982	1986	1990	1992	1994	1996
CURRENT ENGLISH CLASS							
NONE	*****(****)	*****(****)	66.5(6.2)	62.4(8.2)	66.4(6.2)	67.1(7.8)	72.9(5.9)
ADVNCD PLCMNT/HONORS	*****(****)	*****(****)	87.2(1.9)@	91.4(1.4)	91.2(1.7)	91.7(1.6)	93.3(1.2)
COLLEGE PREP	*****(****)	*****(****)	90.3(2.2)	92.4(1.1)	93.3(1.3)	90.9(1.5)	90.0(1.3)
GENERAL	*****(****)	*****(****)	75.7(1.6)	74.1(1.6)	77.6(1.8)	78.1(1.9)	78.1(1.5)
REMEDIAL	*****(****)	*****(****)	58.9(8.2)	51.5(6.3)	45.6(8.8)	*****(****)	*****(****)
CURRENTLY TAKING SCIENCE							
YES	*****(****)	*****(****)	82.7(1.4)	83.3(1.0)	85.4(1.2)	86.1(1.1)	86.2(0.9)
NO	*****(****)	*****(****)	81.3(1.9)	80.5(1.8)	80.9(2.9)	77.8(2.2)	78.7(2.4)
GENERAL SCIENCE COURSE							
HAVE TAKEN	*****(****)	*****(****)	82.7(1.3)	83.4(0.9)	85.0(1.2)	85.5(1.1)	85.6(0.8)
HAVE NOT TAKEN	*****(****)	*****(****)	82.4(2.5)	80.1(2.6)	81.1(3.2)	83.5(2.2)	84.5(2.6)
BIOLOGY COURSE							
HAVE TAKEN	*****(****)	*****(****)	84.5(1.3)	85.1(0.8)	86.8(1.1)	87.9(0.8)	87.1(0.8)
HAVE NOT TAKEN	*****(****)	*****(****)	69.7(3.7)	65.3(3.5)	56.2(3.7)	53.5(4.0)	63.0(5.5)
CHEMISTRY COURSE							
HAVE TAKEN	*****(****)	*****(****)	91.7(2.0)	93.9(0.9)	95.8(0.9)	94.5(0.8)	94.4(0.9)
HAVE NOT TAKEN	*****(****)	*****(****)	76.8(1.3)	74.3(1.5)	74.0(1.8)	75.8(1.9)	74.9(1.6)
PHYSICS COURSE							
HAVE TAKEN	*****(****)	*****(****)	76.1(3.9)@	84.2(2.8)	84.2(2.6)	89.8(1.7)	86.7(1.5)
HAVE NOT TAKEN	*****(****)	*****(****)	83.4(1.3)	82.4(0.9)	84.3(1.4)	84.6(1.2)	85.3(0.9)
PARTICIPATION IN LITTER CLEAN−UP PROJECT							
MANY TIMES	74.4(4.8)	70.0(4.0)	71.5(4.6)	74.7(5.5)	86.1(3.0)	83.0(4.4)	82.4(4.9)
NOT OFTEN, > 2 TIMES	82.1(2.6)	76.2(2.5)	81.2(3.1)	82.8(3.2)	83.2(4.3)	89.8(2.0)	84.8(2.4)
1 OR 2 TIMES	83.0(1.8)	76.2(2.3)	84.4(1.6)	86.6(2.0)	86.9(1.9)	86.0(1.7)	85.8(1.6)
NEVER	78.9(1.9)	70.0(3.3)	81.5(2.6)	79.8(2.7)	80.3(2.3)	75.9(3.1)	77.2(2.5)
SEPARATE TRASH FOR RECYCLING							
MANY TIMES	79.0(3.1)	72.6(3.6)	81.6(2.7)	86.5(2.3)	88.9(1.5)	88.1(1.7)	87.7(2.4)
NOT OFTEN, > 2 TIMES	80.6(3.6)	76.2(4.1)	83.1(2.7)	86.5(2.4)	85.1(2.8)	83.9(2.8)	84.2(2.5)
1 OR 2 TIMES	82.5(3.0)	76.0(3.0)	86.7(1.8)	83.7(2.3)	81.2(3.6)	81.7(2.9)	77.9(3.3)
NEVER	80.8(1.9)	72.2(3.4)	78.0(2.2)	75.3(3.5)	73.5(3.6)	71.1(5.0)	72.3(3.3)
HOW MUCH CAN SCIENCE PREVENT STARVATION							
NONE	55.2(6.5)@	68.0(7.4)	61.7(3.9)	69.5(3.6)	76.1(4.8)	73.4(3.3)	74.5(3.8)
SOME	75.6(2.2)@	75.5(2.0)	79.9(1.6)	82.1(2.1)	83.5(1.9)	84.4(1.8)	82.8(1.6)
VERY MUCH	86.3(1.7)	80.0(2.2)	89.9(1.8)	88.5(1.9)	88.2(1.9)	87.2(2.4)	86.9(2.2)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 250

	1977	1982	1986	1990	1992	1994	1996
HOW MUCH CAN SCIENCE PREVENT ENERGY SHORTAGE							
NONE	52.9(7.2)	*****(****)	46.8(6.7)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	68.7(2.8)	73.2(2.3)	70.5(3.9)	69.7(2.6)	68.5(3.3)	70.6(3.5)	65.5(3.2)
VERY MUCH	85.4(1.6)	79.3(2.0)	87.3(1.3)	88.4(1.5)	89.3(1.2)	88.8(1.5)	89.3(1.6)
HOW MUCH CAN SCIENCE FIND CURES FOR DISEASES							
NONE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	61.3(3.1)	66.4(3.0)	62.3(4.0)	64.9(3.7)	62.3(6.5)	60.9(5.0)	64.4(4.2)
VERY MUCH	83.5(1.6)	79.0(1.8)	86.4(1.2)	86.4(1.5)	87.5(1.2)	87.9(1.3)	86.0(1.4)
HOW MUCH CAN SCIENCE CONTROL WEATHER							
NONE	73.7(2.0)@	75.2(2.4)	80.8(1.8)	83.3(2.0)	83.7(2.1)	84.9(1.8)	82.2(2.3)
SOME	83.5(1.9)	78.7(2.9)	80.5(2.5)	80.3(2.7)	82.5(2.2)	80.6(2.5)	82.1(2.0)
VERY MUCH	86.6(2.0)	76.9(5.8)	85.4(3.0)	84.9(3.2)	86.9(2.7)	84.7(2.7)	85.9(1.7)
HOW MUCH CAN SCIENCE PREVENT WARS							
NONE	78.0(2.3)	76.1(2.4)	78.5(2.1)	80.0(2.4)	82.8(2.1)	80.4(2.0)	79.9(1.9)
SOME	84.2(1.6)	78.3(2.9)	86.7(2.1)	87.0(1.9)	87.4(2.1)	89.1(2.1)	89.2(1.4)
VERY MUCH	73.4(3.4)	75.2(3.7)	77.2(3.5)	78.1(4.8)	76.5(4.8)	75.8(5.9)	70.7(4.8)
HOW MUCH CAN SCIENCE PREVENT BIRTH DEFECTS							
NONE	57.8(4.6)	65.8(5.3)	47.7(4.8)	59.7(6.3)	52.6(4.8)	46.5(6.9)	62.8(6.5)
SOME	77.9(2.2)	77.1(1.9)	77.2(2.2)	77.1(2.4)	81.0(2.2)	79.4(2.5)	78.2(2.1)
VERY MUCH	86.8(1.5)	78.6(3.1)	90.2(1.3)	90.6(1.5)	90.3(1.4)	90.8(1.0)	88.2(1.4)
HOW MUCH CAN SCIENCE SAVE NATURAL RESOURCES							
NONE	78.2(4.7)	75.0(7.9)	71.8(9.4)	59.9(6.9)	70.4(6.5)	65.9(6.0)	66.0(9.3)
SOME	76.7(2.0)	75.8(1.9)	77.9(2.3)	79.4(2.6)	77.7(2.1)	82.4(2.2)	79.9(2.0)
VERY MUCH	83.5(2.1)	78.5(3.2)	85.1(1.5)	85.9(1.7)	88.4(1.5)	85.3(1.7)	85.6(1.6)
HOW MUCH CAN SCIENCE REDUCE POLLUTION							
NONE	49.4(7.1)	69.5(4.5)	49.5(7.3)	58.9(8.7)	56.1(6.2)	59.3(5.9)	60.6(8.4)
SOME	76.7(2.4)	73.2(2.1)	78.5(2.1)	78.3(2.3)	77.9(2.3)	78.0(2.9)	78.4(2.8)
VERY MUCH	85.5(2.0)	81.3(2.5)	86.5(1.6)	87.2(1.7)	88.8(1.5)	87.7(1.7)	86.9(1.5)
HOW MUCH CAN SCIENCE REDUCE OVERPOPULATION							
NONE	68.7(3.2)@	73.5(2.2)	75.4(2.0)	77.9(2.6)	80.5(2.3)	81.2(2.1)	80.1(2.4)
SOME	83.8(1.6)	78.6(2.2)	85.0(2.0)	87.2(1.8)	86.0(1.7)	85.5(1.8)	84.8(1.7)
VERY MUCH	85.1(2.4)	79.5(3.6)	87.0(2.9)	83.1(3.3)	87.4(2.9)	82.9(3.3)	84.2(3.1)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 250

	1977	1982	1986	1990	1992	1994	1996
SCIENCE HELPS ONE UNDERSTAND THEIR BODY							
STRONGLY AGREE	83.1(2.0)	78.6(3.3)	87.9(2.1)	89.8(1.8)	90.9(2.1)	89.5(1.8)	89.4(1.9)
AGREE	80.8(1.7)	78.5(2.2)	82.0(1.6)	82.5(2.3)	82.8(1.6)	83.0(2.2)	81.1(1.9)
NO OPINION	79.1(3.8)	71.8(3.2)	70.4(5.4)	66.6(4.2)	69.0(4.2)	62.2(5.3)	61.4(6.1)
DISAGREE	72.9(7.9)	71.7(6.8)	54.6(7.3)	*****(****)	*****(****)	*****(****)	*****(****)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE NOT USEFUL OUTSIDE OF CLASS							
STRONGLY AGREE	76.9(6.0)	70.1(6.9)	80.3(7.1)	69.4(6.0)	69.6(7.0)	64.3(7.9)	68.3(8.2)
AGREE	78.2(3.0)	77.7(3.0)	75.0(4.0)	77.9(3.4)	72.9(4.0)	75.7(4.5)	72.9(4.1)
NO OPINION	77.4(2.9)	72.9(3.7)	69.5(4.4)	71.5(4.1)	76.7(4.1)	73.3(4.6)	78.2(3.5)
DISAGREE	81.9(1.9)	78.0(2.4)	84.6(1.8)	86.7(1.6)	86.0(2.0)	87.3(1.6)	85.3(1.8)
STRONGLY DISAGREE	85.5(1.9)	76.9(3.7)	89.3(2.6)	86.6(2.4)	93.5(1.5)	89.5(2.5)	89.8(2.1)
SCIENCE GOOD ONLY IN LABORATORY							
STRONGLY AGREE	66.2(7.8)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	72.7(6.0)	70.9(4.5)	67.5(6.2)	71.2(4.7)	69.8(5.2)	63.0(5.4)	71.0(5.1)
NO OPINION	80.5(2.6)	78.1(2.9)	77.0(4.4)	73.0(3.1)	76.1(4.0)	76.9(4.1)	78.1(3.6)
DISAGREE	82.1(1.8)	78.0(2.2)	84.8(1.3)	86.8(1.7)	85.9(2.0)	85.2(2.2)	86.2(1.5)
STRONGLY DISAGREE	84.6(2.2)	79.1(3.4)	86.5(2.3)	87.5(2.3)	91.1(2.3)	91.8(1.7)	88.9(3.2)
CAN STUDENTS HELP SOLVE POLLUTION							
DEFINITELY YES	88.3(1.1)	80.0(2.5)	85.3(2.3)	90.2(1.2)	89.6(1.4)	87.8(1.8)	85.5(1.9)
PROBABLY YES	80.6(1.9)	76.7(2.3)	84.5(2.3)	83.7(1.9)	84.1(2.1)	84.1(1.9)	85.2(1.6)
NOT SURE	67.7(4.0)	70.5(2.7)	69.6(4.2)	58.2(6.5)	64.9(4.3)	66.5(6.0)	69.6(5.1)
PROBABLY NOT	73.6(4.1)	70.6(3.4)	82.5(3.1)	78.4(4.2)	83.4(4.1)	81.1(4.6)	79.6(4.1)
DIFINITELY NOT	*****(****)	56.0(7.6)	64.8(8.5)	*****(****)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE ENERGY WASTE							
DEFINITELY YES	86.7(1.7)	82.0(3.0)	88.0(2.3)	92.7(1.3)	91.8(1.7)	91.0(1.7)	87.5(2.3)
PROBABLY YES	80.8(1.7)	75.4(2.6)	83.2(1.5)	83.1(2.6)	86.3(1.9)	84.3(2.1)	84.5(2.3)
NOT SURE	73.3(2.5)	69.4(3.9)	71.0(3.6)	69.2(4.2)	69.8(2.8)	72.0(4.0)	72.5(3.7)
PROBABLY NOT	79.0(3.5)	72.1(3.9)	82.8(3.4)	78.7(3.4)	77.7(5.4)	77.5(3.3)	81.7(3.3)
DEFINITELY NOT	71.9(8.1)	59.4(8.7)	67.9(6.7)	61.2(7.1)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE FOOD SHORTAGES							
DEFINITELY YES	82.0(2.0)	71.1(4.7)	78.3(4.0)	84.2(2.6)	82.4(3.7)	82.0(3.8)	79.1(3.1)
PROBABLY YES	80.8(2.1)	73.4(2.3)	81.5(2.2)	83.3(2.3)	84.7(2.0)	82.9(2.2)	80.6(2.0)
NOT SURE	79.4(2.7)	73.9(2.7)	76.4(2.9)	75.9(3.4)	78.9(3.2)	76.7(3.5)	82.1(2.4)
PROBABLY NOT	83.6(2.4)	77.7(2.8)	87.3(2.3)	87.2(2.2)	91.1(1.5)	89.7(1.3)	87.8(2.3)
DEFINITELY NOT	74.5(7.2)	70.2(6.8)	77.1(6.3)	73.6(7.4)	69.8(6.0)	81.9(4.2)	77.9(6.7)

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L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 250

	1977	1982	1986	1990	1992	1994	1996
STUDENTS HELP SOLVE OVERPOPULATION							
DEFINITELY YES	86.8(2.2)	82.0(3.5)	88.6(4.4)	86.3(2.9)	89.4(3.6)	85.9(3.3)	82.5(5.9)
PROBABLY YES	84.7(1.6)	78.2(3.5)	83.7(2.9)	87.4(1.9)	87.6(2.2)	84.0(2.9)	85.6(2.8)
NOT SURE	72.8(3.3)	70.2(4.0)	72.1(4.7)	75.1(3.2)	76.3(2.8)	73.6(4.0)	76.8(4.5)
PROBABLY NOT	80.2(2.2)	74.5(2.7)	84.6(2.2)	84.7(2.2)	87.1(2.1)	87.5(1.9)	86.8(1.6)
DEFINITELY NOT	71.4(3.2)	66.4(4.4)	78.0(3.0)	77.6(3.3)	80.1(3.2)	82.2(2.3)	78.6(2.8)
STUDENTS HELP SAVE NATURAL RESOURCES							
DEFINITELY YES	89.3(2.2)	85.6(5.2)	88.8(4.0)	92.1(2.7)	91.3(2.3)	91.0(2.8)	86.2(2.7)
PROBABLY YES	84.7(1.9)	77.6(2.7)	88.4(2.1)	88.0(1.8)	91.2(1.5)	87.8(2.0)	89.3(2.1)
NOT SURE	73.6(2.8)	69.7(2.6)	71.4(3.5)	70.3(3.8)	72.2(3.6)	71.7(3.8)	74.2(3.9)
PROBABLY NOT	82.1(2.4)	75.8(2.5)	83.0(2.8)	83.4(2.6)	85.0(2.4)	85.8(2.4)	83.7(2.4)
DEFINITELY NOT	77.4(3.4)	67.9(5.0)	77.7(3.1)	71.3(4.7)	71.0(5.0)	75.5(4.1)	75.9(4.5)
STUDENTS HELP SOLVE ACCIDENTS							
DEFINITELY YES	84.9(2.1)	74.4(3.1)	80.2(3.3)	81.8(2.9)	85.7(2.9)	84.6(2.5)	80.3(3.6)
PROBABLY YES	81.5(1.9)	74.1(2.3)	81.4(2.5)	85.1(2.6)	82.9(2.7)	79.1(2.7)	84.6(2.7)
NOT SURE	73.0(3.2)	72.2(4.3)	75.9(3.9)	72.4(3.1)	81.2(3.4)	79.5(4.6)	77.4(3.0)
PROBABLY NOT	81.8(2.5)	79.4(2.9)	87.8(2.8)	85.4(2.8)	86.9(2.3)	88.5(1.9)	84.9(2.8)
DEFINITELY YES	79.9(3.1)	67.7(4.0)	79.4(4.1)	82.3(2.9)	83.0(3.5)	85.7(2.8)	83.5(3.0)
SCIENCE CLASSES ARE USEFUL							
STRONGLY AGREE	83.0(2.7)	79.9(2.6)	85.7(2.7)	86.8(2.1)	90.0(2.0)	89.1(1.6)	90.2(1.5)
AGREE	84.7(1.3)	77.2(2.0)	83.9(2.0)	80.8(1.9)	83.8(1.7)	83.1(1.6)	85.8(1.5)
NO OPINION	80.9(3.3)	70.0(4.4)	76.2(4.7)	69.8(3.1)	68.0(6.0)	73.8(4.1)	75.0(4.1)
DISAGREE	75.7(5.3)	69.6(4.9)	76.8(6.3)	75.3(5.3)	72.4(6.4)	80.5(7.1)	77.9(7.9)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE CLASSES UNRELATED TO REAL WORLD							
STRONGLY AGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	75.3(6.1)	70.3(6.6)	81.3(4.9)	63.7(5.0)	70.8(6.4)	78.0(5.0)	75.2(4.5)
NO OPINION	81.7(5.2)	67.9(3.8)	80.8(4.4)	73.0(3.9)	73.1(3.5)	76.4(3.2)	78.9(3.7)
DISAGREE	83.1(1.8)	77.7(2.5)	84.8(1.9)	81.3(2.1)	84.9(2.1)	85.4(1.5)	87.3(1.3)
STRONGLY DISAGREE	84.5(1.9)	79.4(2.5)	83.5(3.0)	89.6(2.1)	89.5(2.6)	88.0(2.1)	90.4(1.9)
SCIENCE SHOULD BE REQUIRED IN SCHOOL							
STRONGLY AGREE	77.9(2.8)@	76.6(2.9)	84.0(3.3)	86.8(2.2)	86.9(2.2)	85.4(2.0)	90.2(1.3)
AGREE	84.4(1.6)	76.5(2.2)	83.9(2.4)	81.2(2.0)	83.9(2.5)	85.1(2.1)	84.5(1.5)
NO OPINION	83.8(3.0)	78.4(2.6)	82.1(3.1)	76.0(2.8)	77.9(3.3)	75.8(4.2)	81.3(3.1)
DISAGREE	86.8(3.1)	79.0(4.2)	81.6(3.7)	68.6(5.3)	74.9(4.6)	82.9(4.2)	84.9(5.2)
STRONGLY DISAGREE	77.8(2.4)	72.9(7.1)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
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(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 250

	1977	1982	1986	1990	1992	1994	1996
SCIENCE CLASSES USEFUL IN EVERYDAY LIFE							
STRONGLY AGREE	75.0(3.7)	75.7(3.5)	75.1(4.6)	79.0(3.7)	81.0(4.0)	80.8(3.6)	83.5(3.1)
AGREE	83.6(1.8)	76.8(2.7)	81.0(2.4)	81.7(2.7)	84.1(2.4)	84.2(1.7)	85.0(1.6)
NO OPINION	85.4(3.1)	76.4(3.5)	86.3(2.8)	78.2(2.9)	80.0(2.8)	82.4(2.9)	85.4(2.2)
DISAGREE	84.9(1.9)	78.5(2.5)	85.9(2.8)	83.3(2.2)	86.8(2.5)	86.3(2.4)	87.6(2.8)
STRONGLY DISAGREE	76.1(5.3)	74.6(6.8)	83.4(6.9)	75.1(5.3)	74.2(9.9)	*****(****)	*****(****)
SCIENCE CLASSES WILL BE USEFUL IN FUTURE							
STRONGLY AGREE	80.9(2.7)	77.4(2.5)	77.4(3.1)	81.8(3.6)	85.3(2.4)	84.8(2.7)	86.1(2.1)
AGREE	83.4(1.8)	77.5(2.2)	85.0(1.6)	83.3(2.3)	85.0(2.5)	84.0(1.9)	85.9(1.5)
NO OPINION	83.9(3.0)	74.6(3.5)	81.2(3.2)	75.9(3.4)	79.8(3.0)	79.9(3.6)	82.8(2.7)
DISAGREE	84.6(3.2)	77.2(4.8)	88.4(4.1)	79.6(2.9)	79.4(4.1)	88.7(4.1)	90.2(4.1)
STRONGLY DISAGREE	70.9(7.6)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENTISTS SHOULD EXPERIMENT ON PEOPLE W/OUT APPROVAL							
ALWAYS	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	77.4(3.8)	66.7(4.7)	72.4(6.8)	73.2(5.2)	70.7(6.8)	79.6(5.1)	65.7(8.0)
SELDOM	86.4(2.7)	78.7(3.5)	80.6(4.2)	80.8(3.6)	78.1(4.8)	77.7(4.6)	90.0(3.7)
NEVER	81.6(1.4)@	75.3(1.5)	84.7(1.6)	81.7(1.7)	84.8(1.4)	85.2(1.3)	86.7(1.0)
SCIENTISTS SHOULD CREATE DISEASES FOR WARFARE							
ALWAYS	*****(****)	61.4(8.7)	61.9(10.1)	58.6(6.4)	65.1(8.6)	75.4(7.9)	*****(****)
OFTEN	*****(****)	50.0(10.1)	57.9(9.1)	*****(****)	*****(****)	70.3(9.7)	*****(****)
SOMETIMES	76.5(4.9)	66.4(4.7)	76.8(4.8)	71.9(6.0)	73.0(5.9)	74.5(5.6)	72.8(5.3)
SELDOM	84.1(3.2)	75.9(3.8)	75.2(4.7)	79.8(4.7)	82.4(3.6)	77.2(4.2)	82.9(3.6)
NEVER	82.3(1.3)@	78.2(1.7)	86.6(1.5)	83.0(1.7)	85.2(1.5)	86.2(1.3)	87.6(1.2)
SCIENTISTS SHOULD WORK ON SECRET PROJECTS							
ALWAYS	77.9(4.2)	72.9(3.9)	78.4(4.2)	81.1(3.1)	77.8(4.2)	83.0(3.7)	86.9(2.6)
OFTEN	81.0(3.4)	75.1(3.3)	78.9(3.6)	79.1(4.9)	80.7(4.7)	83.2(4.0)	85.7(2.3)
SOMETIMES	82.7(1.5)	76.3(2.2)	86.8(1.8)	83.2(2.2)	84.5(2.1)	85.3(2.0)	87.2(1.6)
SELDOM	82.8(2.1)	70.8(3.5)	84.9(3.1)	82.6(2.6)	86.0(2.7)	86.1(2.6)	87.2(3.0)
NEVER	78.1(4.1)	68.0(7.4)	80.5(3.0)	76.1(2.7)	81.2(2.4)	79.7(2.7)	80.6(2.4)
SCIENTISTS SHOULD CONTROL PEOPLE'S ACTIONS							
ALWAYS	*****(****)	39.1(8.7)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	53.0(9.7)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	78.5(3.0)	68.5(4.1)	71.2(5.0)	75.9(4.6)	74.6(5.7)	80.9(4.9)	75.7(5.9)
SELDOM	85.2(2.7)	81.0(3.4)	82.1(4.0)	83.3(3.4)	82.8(3.9)	86.1(2.8)	88.0(3.3)
NEVER	82.3(1.4)@	76.5(1.9)	85.7(1.5)	82.3(1.8)	85.6(1.3)	85.2(1.4)	87.6(1.4)

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L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 250

	1977	1982	1986	1990	1992	1994	1996
SUBJECT STUDIED BY RACE/ETHNICITY							
GEN SCI − WHITE	*****(****)	*****(****)	88.3(1.4)	90.2(0.8)	90.8(1.0)	92.2(1.0)	91.3(0.8)
GEN SCI − BLACK	*****(****)	*****(****)	55.9(3.7)	54.6(3.9)	58.0(4.5)	59.5(4.4)	63.2(2.9)
GEN SCI − HISPANIC	*****(****)	*****(****)	63.9(8.0)	64.8(6.0)	72.3(6.9)	65.0(6.4)	72.0(3.6)
BIOLOGY − WHITE	*****(****)	*****(****)	89.7(1.5)	91.7(0.6)	92.9(0.8)	94.1(0.9)	92.6(0.5)
BIOLOGY − BLACK	*****(****)	*****(****)	58.8(3.2)	57.9(3.6)	60.3(4.0)	64.9(3.8)	65.6(3.0)
BIOLOGY − HISPANIC	*****(****)	*****(****)	66.6(7.3)	67.7(6.0)	74.6(5.0)	69.1(6.6)	75.0(3.5)
CHEMISTRY − WHITE	*****(****)	*****(****)	94.5(2.1)	97.8(0.5)	98.1(0.7)	98.1(0.6)	97.3(0.5)
CHEMISTRY − BLACK	*****(****)	*****(****)	73.9(5.7)	75.7(5.9)	81.0(4.2)	80.3(4.4)	82.4(4.0)
CHEMISTRY − HISPANIC	*****(****)	*****(****)	77.7(13.6)	88.1(3.6)	93.0(****)	81.9(8.6)	87.7(3.8)
PHYSICS − WHITE	*****(****)	*****(****)	90.2(3.1)	92.9(2.3)	92.6(1.9)	96.3(1.4)	94.5(2.0)
PHYSICS − BLACK	*****(****)	*****(****)	36.1(8.1)	59.8(10.5)	*****(****)	68.8(7.9)	65.1(5.2)
PHYSICS − HISPANIC	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SUBJECT STUDIED BY GENDER							
GEN SCI − MALE	*****(****)	*****(****)	85.2(1.3)	85.0(1.2)	86.5(1.4)	87.4(1.3)	85.8(1.0)
GEN SCI − FEMALE	*****(****)	*****(****)	80.3(1.7)	81.8(1.5)	83.4(1.4)	83.7(1.6)	85.4(1.3)
BIOLOGY − MALE	*****(****)	*****(****)	86.3(1.4)	86.7(1.0)	88.7(1.4)	89.3(1.0)	87.4(1.2)
BIOLOGY − FEMALE	*****(****)	*****(****)	82.9(1.8)	83.8(1.4)	85.0(1.4)	86.5(1.3)	86.8(1.2)
CHEMISTRY − MALE	*****(****)	*****(****)	92.7(2.1)	94.6(1.4)	95.8(1.1)	95.0(1.0)	94.5(1.4)
CHEMISTRY − FEMALE	*****(****)	*****(****)	90.7(2.1)	93.2(1.2)	95.7(1.1)	94.1(1.2)	94.3(1.0)
PHYSICS − MALE	*****(****)	*****(****)	80.5(5.1)	86.7(3.2)	85.0(3.4)	88.9(2.5)	84.1(2.6)
PHYSICS − FEMALE	*****(****)	*****(****)	69.3(4.2)@	81.3(3.6)	83.2(3.3)	91.3(1.6)	89.9(2.7)
DIFFERENCES							
WHITE − BLACK	47.7(1.6)@	50.0(2.3)	35.6(3.5)	38.2(3.8)	34.9(3.9)	33.5(3.9)	31.5(3.3)
WHITE − HISPANIC	26.7(1.7)	36.9(2.8)	27.8(7.3)	29.8(5.1)	22.2(6.7)	32.9(7.5)	23.6(4.6)
MALE − FEMALE	7.1(1.2)	9.0(1.7)	3.3(2.2)	2.6(****)	3.4(2.0)	3.2(2.1)	0.1(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 300

	1977	1982	1986	1990	1992	1994	1996
-- Total --	41.7(0.9)@	37.3(0.9)	41.3(1.4)	43.3(1.3)	46.6(1.5)	47.5(1.3)	48.4(1.3)
Gender							
Male	48.8(1.1)@	45.2(1.2)	48.8(2.1)	48.2(1.6)	50.9(2.0)	52.9(1.8)	53.1(1.5)
Female	34.8(1.0)@	29.9(1.2)	34.1(1.5)	38.7(1.7)	42.0(1.7)	42.4(1.8)	43.9(1.7)
Race/Ethnicity							
White	47.5(0.7)@	43.9(1.1)	48.7(1.7)	51.2(1.5)	55.4(1.7)	57.5(1.6)	58.5(1.6)
Black	7.7(1.0)@	6.5(1.1)	12.5(2.2)	15.7(4.0)	14.1(2.5)	15.4(2.3)	17.7(2.7)
Hispanic	18.5(2.1)	11.1(2.0)	14.8(2.9)	21.1(3.3)	23.0(3.8)	21.7(4.1)	23.9(2.5)
Other	36.6(3.8)	25.2(4.8)	35.0(8.1)	45.2(6.5)	42.9(6.1)	44.4(8.0)	46.8(7.5)
Grade							
Below Modal Grade	14.5(0.9)@	16.0(1.8)	17.9(1.9)	19.6(1.5)	19.1(2.2)	22.0(2.3)	27.3(2.5)
At Modal Grade	45.7(0.8)@	40.7(1.1)	45.6(1.7)	50.0(1.5)	55.2(1.7)	54.2(1.4)	55.1(1.5)
Above Modal Grade	50.5(1.8)	45.4(3.2)	50.6(5.9)	49.2(3.2)	54.9(3.4)	52.8(4.3)	53.8(5.5)
Region							
Northeast	47.9(1.8)	38.3(1.9)	46.6(4.0)	45.7(2.7)	52.0(2.5)	52.0(3.6)	48.4(4.0)
Southeast	31.6(1.8)@	32.2(2.2)	37.0(2.0)	37.5(2.7)	36.9(2.8)	40.9(2.5)	41.2(2.9)
Central	45.0(1.3)@	42.1(2.2)	45.0(2.5)	51.7(3.1)	56.4(2.6)	51.1(2.7)	59.0(3.2)
West	38.6(1.4)	35.0(2.2)	36.3(3.5)	38.7(2.5)	42.2(3.4)	46.2(3.5)	45.2(2.3)
Type Of Location							
Central City	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	40.9(3.5)	42.0(2.6)
Urban Fringe/Large Tow	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	50.0(2.2)	54.5(2.3)
Rural/Small Town	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	50.5(2.5)	48.6(2.7)
Parents' Education Level							
Less than H.S.	21.6(1.0)	17.3(1.7)	14.9(2.4)	18.2(2.8)	16.8(2.5)	14.7(2.3)	15.6(3.0)
Graduated H.S.	35.8(0.8)	29.5(1.3)	29.5(2.0)	30.8(1.5)	32.1(2.7)	32.8(2.4)	36.3(3.1)
Some Educ After H.S.	46.0(1.3)	41.6(2.1)	46.7(3.0)	46.7(1.9)	48.5(2.1)	47.2(2.2)	48.8(2.4)
Graduated College	59.6(1.2)	52.5(1.9)	55.3(2.4)	57.3(2.0)	60.0(1.7)	62.6(1.9)	59.5(1.6)
Unknown	16.6(2.3)	15.5(2.9)	11.4(4.4)	13.5(3.9)	18.3(5.9)	14.4(4.1)	21.2(4.8)
Type Of School							
Public	40.5(0.8)@	36.6(0.9)	39.9(1.5)	42.0(1.3)	44.8(1.5)	45.3(1.1)	47.7(1.3)
Non−Public	58.9(2.8)	44.2(2.6)	74.6(10.9)	59.8(6.7)	63.1(5.3)	62.7(5.2)	56.3(7.0)
Quartiles							
Upper	86.6(0.9)@	82.8(1.3)	96.7(1.0)	98.4(0.5)	99.4(0.3)	99.5(****)	99.1(0.4)
Middle two	38.2(0.9)@	32.5(1.1)	34.1(1.2)	37.3(1.6)	43.2(2.3)	44.8(1.3)	47.1(1.5)
Lower	3.8(0.4)	1.7(0.3)	0.3(****)	0.4(****)	0.5(0.3)	0.6(0.4)	0.6(****)
TELEVISION WATCHED/DAY							
0 − 2 HOURS	*****(****)	*****(****)	50.2(2.0)@	52.8(1.6)	57.2(1.4)	57.5(1.8)	58.3(1.5)
3 − 5 HOURS	*****(****)	*****(****)	36.7(1.6)	36.9(1.8)	37.4(2.0)	39.6(1.9)	40.3(2.1)
6 HOURS OR MORE	*****(****)	*****(****)	22.2(2.2)	19.0(2.8)	17.8(3.9)	20.8(2.6)	19.0(2.5)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 300

	1977	1982	1986	1990	1992	1994	1996
RULES CONCERNING TELEVISION VIEWING							
HAVE RULES	*****(****)	*****(****)	36.7(3.3)	44.4(3.2)	47.5(3.3)	47.6(4.2)	46.6(3.8)
DO NOT HAVE RULES	*****(****)	*****(****)	42.1(1.4)@	43.3(1.3)	46.5(1.5)	47.5(1.3)	48.7(1.3)
MOTHER'S EDUCATION							
LESS THAN H.S.	*****(****)	24.5(1.3)	21.3(2.4)	24.7(2.0)	23.7(2.5)	23.1(2.0)	23.9(2.5)
GRADUATED H.S.	*****(****)	32.6(1.3)@	38.0(2.0)	38.0(1.5)	40.6(2.2)	41.5(2.1)	43.9(2.5)
SOME EDUC AFTER H.S	*****(****)	44.3(2.2)	50.4(2.3)	50.1(2.6)	53.4(2.0)	51.9(2.5)	52.4(2.3)
GRADUATED COLLEGE	*****(****)	55.6(2.3)	56.2(3.3)	58.9(2.4)	61.3(1.6)	64.3(2.5)	61.0(2.1)
UNKNOWN	*****(****)	16.8(2.6)	19.5(3.3)	17.5(3.0)	18.1(4.3)	17.6(3.9)	21.8(4.8)
FATHER'S EDUCATION							
LESS THAN H.S.	*****(****)	21.3(1.6)	24.3(1.8)	27.5(2.3)	26.1(2.6)	25.9(2.2)	28.0(2.9)
GRADUATED H.S.	*****(****)	37.1(1.1)	33.8(1.9)	35.3(1.5)	38.5(2.3)	38.8(2.0)	42.3(2.6)
SOME EDUC AFTER H.S	*****(****)	46.2(1.8)	50.6(4.1)	51.6(2.4)	52.3(2.4)	53.2(2.1)	53.8(2.7)
GRADUATED COLLEGE	*****(****)	51.3(2.0)@	58.5(2.4)	59.8(2.2)	62.5(1.8)	65.1(2.0)	61.8(2.0)
UNKNOWN	*****(****)	18.3(4.3)	16.5(3.6)	18.3(2.6)	22.0(2.8)	20.7(2.7)	18.7(3.2)
TIME WORKED AT PART-TIME JOB							
NONE	*****(****)	*****(****)	41.5(2.2)	44.1(1.9)	46.3(1.9)	50.1(2.0)	50.1(2.2)
< 6 HOURS	*****(****)	*****(****)	46.6(4.9)	54.0(4.4)	56.6(4.2)	51.0(4.4)	59.0(4.4)
6 TO 10 HOURS	*****(****)	*****(****)	44.3(3.1)@	51.4(4.3)	55.2(3.4)	58.4(3.5)	58.9(3.3)
11 TO 15 HOURS	*****(****)	*****(****)	48.0(4.4)	53.5(2.9)	56.2(3.2)	52.0(2.6)	54.4(3.6)
16 TO 20 HOURS	*****(****)	*****(****)	49.6(3.7)	48.6(3.5)	52.3(3.3)	54.2(3.6)	51.4(4.1)
21 TO 25 HOURS	*****(****)	*****(****)	44.5(3.6)	45.2(3.3)	44.3(4.8)	48.6(5.0)	43.6(4.2)
26 TO 30 HOURS	*****(****)	*****(****)	43.4(6.2)	35.1(3.3)	48.1(7.6)	44.2(6.0)	44.6(6.0)
> 30 HOURS	*****(****)	*****(****)	36.6(7.4)	36.0(3.9)	41.3(5.1)	35.2(7.4)	37.2(8.5)
MOTHER/STEPMOTHER EMPLOYMENT							
HAS A FULL-TIME JOB	*****(****)	*****(****)	44.6(2.0)@	45.9(1.5)	50.9(1.6)	53.2(1.5)	53.2(1.9)
HAS A PART-TIME JOB	*****(****)	*****(****)	52.0(3.0)	58.2(2.7)	58.7(3.4)	57.8(2.9)	59.4(2.9)
DOES NOT HAVE A JOB	*****(****)	*****(****)	44.9(2.0)	48.5(2.6)	51.9(2.4)	50.8(3.6)	49.4(3.1)
MTHR LIVES ELSEWHERE	*****(****)	*****(****)	35.0(8.6)	44.5(5.1)	35.5(5.9)	47.9(5.6)	45.7(9.8)
FATHER/STEPFATHER EMPLOYMENT							
HAS A PART-TIME JOB	*****(****)	*****(****)	48.6(1.8)@	51.4(1.2)	55.3(1.5)	55.8(1.8)	56.5(1.7)
HAS A FULL-TIME JOB	*****(****)	*****(****)	36.3(8.3)	32.3(6.3)	38.2(6.3)	39.9(7.0)	41.3(5.5)
DOES NOT HAVE A JOB	*****(****)	*****(****)	34.0(5.1)	34.3(4.4)	33.6(5.4)	37.6(3.9)	37.6(5.5)
FTHR LIVES ELSEWHERE	*****(****)	*****(****)	34.2(3.8)	36.1(4.1)	42.5(4.5)	46.4(3.0)	38.3(4.0)
HIGH SCHOOL PROGRAM							
GENERAL	*****(****)	*****(****)	27.2(1.9)@	26.6(1.5)	26.2(1.6)	30.9(1.7)	33.6(1.7)
ACADEMIC/COLLEGE PREP	*****(****)	*****(****)	55.9(2.1)	58.7(1.6)	63.9(1.7)	60.9(1.6)	61.7(1.8)
VOCATIONAL/TECHNICAL	*****(****)	*****(****)	23.5(3.8)	22.1(2.7)	22.4(3.7)	24.8(3.8)	26.5(3.6)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 300

	1977	1982	1986	1990	1992	1994	1996
CURRENT ENGLISH CLASS							
NONE	*****(****)	*****(****)	21.1(6.5)	27.2(7.9)	31.6(8.0)	37.4(8.6)	36.5(7.0)
ADVNCD PLCMNT/HONORS	*****(****)	*****(****)	60.9(2.4)	67.7(3.4)	67.3(2.3)	68.5(2.0)	67.0(2.4)
COLLEGE PREP	*****(****)	*****(****)	56.1(2.7)	57.0(1.9)	63.3(1.7)	57.2(2.6)	59.4(3.2)
GENERAL	*****(****)	*****(****)	29.7(1.5)@	29.7(1.4)	32.4(2.2)	36.0(1.8)	35.9(1.5)
REMEDIAL	*****(****)	*****(****)	11.1(4.8)	12.6(4.2)	15.1(5.5)	*****(****)	*****(****)
CURRENTLY TAKING SCIENCE							
YES	*****(****)	*****(****)	48.4(2.1)	49.2(1.5)	51.7(1.6)	52.0(1.3)	52.9(1.4)
NO	*****(****)	*****(****)	32.9(1.7)	33.9(2.0)	32.8(2.7)	36.3(2.6)	34.6(1.9)
GENERAL SCIENCE COURSE							
HAVE TAKEN	*****(****)	*****(****)	41.9(1.4)@	43.8(1.3)	47.5(1.4)	48.5(1.6)	48.8(1.3)
HAVE NOT TAKEN	*****(****)	*****(****)	47.1(3.0)	49.1(2.9)	48.8(3.7)	52.3(3.4)	55.1(3.6)
BIOLOGY COURSE							
HAVE TAKEN	*****(****)	*****(****)	45.3(1.6)@	47.3(1.5)	50.5(1.5)	51.8(1.2)	51.6(1.5)
HAVE NOT TAKEN	*****(****)	*****(****)	26.0(3.1)	25.6(4.1)	15.6(2.5)	17.7(3.6)	23.5(4.4)
CHEMISTRY COURSE							
HAVE TAKEN	*****(****)	*****(****)	65.1(2.3)	68.9(1.8)	72.0(1.5)	67.3(2.1)	67.7(1.9)
HAVE NOT TAKEN	*****(****)	*****(****)	28.4(1.1)	26.2(1.2)	25.5(1.7)	30.1(1.6)	28.8(2.0)
PHYSICS COURSE							
HAVE TAKEN	*****(****)	*****(****)	52.7(4.4)	56.2(3.6)	60.1(3.2)	66.1(3.3)	62.3(3.2)
HAVE NOT TAKEN	*****(****)	*****(****)	41.3(1.4)@	42.9(1.3)	45.5(1.5)	45.9(1.4)	47.7(1.5)
PARTICIPATION IN LITTER CLEAN−UP PROJECT							
MANY TIMES	41.2(7.2)	29.7(3.8)	33.8(5.0)	38.0(4.9)	53.5(5.3)	60.1(5.8)	50.7(5.5)
NOT OFTEN, > 2 TIMES	42.6(3.1)	37.9(3.6)	41.4(4.5)	53.2(4.3)	53.5(3.9)	57.6(3.5)	50.5(3.1)
1 OR 2 TIMES	44.1(2.7)	34.8(3.0)	44.2(2.9)	49.2(2.7)	49.8(2.4)	51.1(2.8)	50.7(2.3)
NEVER	38.5(3.2)	30.4(3.5)	38.5(2.9)	37.8(2.9)	38.6(2.4)	36.6(2.9)	38.1(2.7)
SEPARATE TRASH FOR RECYCLING							
MANY TIMES	39.9(3.6)@	33.0(4.1)	40.6(3.7)	52.5(3.1)	57.2(1.6)	57.6(3.1)	54.4(3.1)
NOT OFTEN, > 2 TIMES	43.8(4.1)	34.3(3.4)	46.7(4.8)	48.5(3.0)	50.5(3.3)	48.4(2.8)	47.3(3.1)
1 OR 2 TIMES	42.8(3.3)	36.6(3.4)	44.2(2.1)	44.3(3.1)	38.2(4.0)	39.9(3.9)	41.0(4.0)
NEVER	41.7(2.5)	32.8(3.3)	35.7(2.7)	36.2(3.0)	29.6(3.1)	33.3(4.1)	32.3(4.0)
HOW MUCH CAN SCIENCE PREVENT STARVATION							
NONE	16.1(3.3)	26.4(7.3)	21.2(4.9)	26.9(3.7)	29.8(4.1)	34.4(4.2)	27.7(4.5)
SOME	31.6(1.9)@	35.4(1.6)	34.0(2.4)	41.4(2.2)	43.8(1.9)	46.2(1.8)	46.0(2.3)
VERY MUCH	50.0(2.4)@	42.9(2.3)	57.6(3.1)	59.5(2.9)	61.7(2.6)	64.4(3.9)	60.1(3.0)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 300

	1977	1982	1986	1990	1992	1994	1996
HOW MUCH CAN SCIENCE PREVENT ENERGY SHORTAGE							
NONE	12.1(6.2)	*****(****)	9.4(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	28.0(2.0)	33.3(2.4)	26.0(3.2)	26.8(3.1)	23.4(3.2)	28.4(3.2)	25.5(2.9)
VERY MUCH	45.8(2.3)@	40.6(1.7)	47.3(2.2)	52.2(2.0)	55.1(1.5)	56.1(2.4)	54.7(2.2)
HOW MUCH CAN SCIENCE FIND CURES FOR DISEASES							
NONE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	19.6(3.0)	28.5(3.7)	19.1(3.7)	24.2(2.8)	17.2(3.9)	21.9(2.7)	27.2(4.1)
VERY MUCH	43.8(1.6)@	39.8(1.5)	45.4(2.2)	49.2(2.1)	52.1(1.5)	53.6(2.2)	50.2(1.9)
HOW MUCH CAN SCIENCE CONTROL WEATHER							
NONE	31.3(1.9)@	34.9(2.3)	34.9(2.7)	43.5(2.4)	46.7(2.2)	50.2(2.6)	47.0(2.8)
SOME	45.6(2.2)	41.4(1.7)	44.4(2.7)	46.0(2.7)	44.7(2.5)	46.0(3.0)	46.0(3.8)
VERY MUCH	47.0(3.7)	36.8(5.3)	47.9(4.9)	47.9(4.0)	53.1(3.5)	49.9(3.9)	48.7(3.8)
HOW MUCH CAN SCIENCE PREVENT WARS							
NONE	36.7(1.6)	37.5(2.0)	33.8(2.0)	40.8(2.1)	42.9(2.4)	42.6(2.9)	40.9(2.3)
SOME	45.2(2.5)@	37.7(2.3)	49.6(3.4)	52.2(2.8)	54.6(2.5)	57.4(3.1)	57.1(3.0)
VERY MUCH	36.8(4.1)	40.7(4.6)	37.6(2.9)	39.3(4.6)	41.4(5.0)	47.9(5.4)	38.9(4.8)
HOW MUCH CAN SCIENCE PREVENT BIRTH DEFECTS							
NONE	19.2(2.8)	27.2(7.2)	12.3(2.7)	19.7(3.7)	12.3(3.7)	13.7(4.4)	18.8(4.1)
SOME	36.8(2.0)	37.6(2.1)	33.4(2.0)	36.5(3.1)	38.7(2.7)	39.3(2.8)	40.8(2.6)
VERY MUCH	47.8(2.4)	40.1(2.4)	50.6(3.1)	55.8(1.9)	58.5(1.8)	59.6(3.0)	54.6(2.4)
HOW MUCH CAN SCIENCE SAVE NATURAL RESOURCES							
NONE	38.3(5.2)	33.0(6.3)	34.5(5.8)	25.8(6.7)	27.3(10.3)	35.3(6.7)	35.1(7.4)
SOME	35.5(1.7)	37.0(1.9)	37.2(2.2)	41.8(3.1)	39.6(2.4)	45.7(3.1)	43.6(2.9)
VERY MUCH	44.8(2.5)	39.6(2.3)	43.5(2.9)	48.2(2.2)	52.7(2.0)	51.6(2.5)	49.8(2.4)
HOW MUCH CAN SCIENCE REDUCE POLLUTION							
NONE	11.9(3.7)	27.4(5.2)	14.6(3.7)	20.9(4.9)	15.0(4.2)	17.9(5.0)	19.0(5.5)
SOME	35.3(1.9)	33.6(1.7)	34.3(2.2)	39.4(3.7)	36.6(2.7)	39.2(2.6)	40.6(2.4)
VERY MUCH	46.4(2.2)	43.3(2.0)	47.1(3.0)	50.6(2.3)	55.0(1.7)	55.5(2.8)	52.8(2.6)
HOW MUCH CAN SCIENCE REDUCE OVERPOPULATION							
NONE	26.4(3.0)@	33.1(3.1)	31.9(1.9)	36.5(2.7)	37.6(2.9)	40.7(2.4)	40.0(2.9)
SOME	44.1(2.4)	40.0(2.1)	43.6(2.0)	51.4(2.3)	52.6(2.1)	53.3(2.5)	51.1(2.9)
VERY MUCH	47.6(2.6)	42.4(3.1)	53.4(5.6)	52.7(4.2)	59.8(3.7)	58.7(5.1)	54.6(4.5)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 300

	1977	1982	1986	1990	1992	1994	1996
SCIENCE HELPS ONE UNDERSTAND THEIR BODY							
STRONGLY AGREE	43.8(2.8)@	41.0(4.5)	51.5(3.6)	58.2(2.5)	60.1(2.5)	61.4(2.8)	59.2(2.7)
AGREE	41.1(2.3)	39.2(2.6)	37.7(2.3)	42.1(2.3)	42.7(2.1)	43.6(2.2)	41.4(2.4)
NO OPINION	33.4(4.0)	31.3(5.8)	28.2(3.4)	24.3(4.0)	24.9(4.2)	19.5(5.4)	20.6(5.0)
DISAGREE	28.5(9.5)	33.9(6.7)	13.1(5.4)	*****(****)	*****(****)	*****(****)	*****(****)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE NOT USEFUL OUTSIDE OF CLASS							
STRONGLY AGREE	37.3(6.7)	29.8(7.8)	27.8(5.5)	24.5(5.0)	28.2(6.2)	24.5(7.3)	26.1(5.6)
AGREE	34.9(3.4)	35.4(3.5)	31.2(2.9)	36.6(3.8)	29.4(4.3)	36.5(3.4)	30.0(3.5)
NO OPINION	36.9(3.5)	35.3(7.1)	28.7(4.3)	31.9(3.4)	35.4(3.6)	32.8(3.7)	34.7(4.0)
DISAGREE	41.3(2.4)	38.7(3.0)	43.7(2.2)	47.9(2.8)	48.9(2.1)	52.7(2.7)	49.2(2.7)
STRONGLY DISAGREE	48.1(3.6)@	41.7(4.7)	53.3(5.2)	59.4(4.2)	66.0(2.9)	61.9(3.8)	65.1(3.4)
SCIENCE GOOD ONLY IN LABORATORY							
STRONGLY AGREE	22.4(8.6)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	28.2(4.0)	30.9(5.4)	25.0(6.1)	32.7(4.1)	24.0(6.1)	26.7(3.9)	28.6(4.1)
NO OPINION	39.6(4.8)	37.3(4.7)	32.2(4.5)	33.2(2.9)	30.5(4.5)	34.0(3.7)	38.2(3.8)
DISAGREE	42.0(2.2)	39.5(3.3)	43.2(2.1)	47.6(2.5)	49.8(2.3)	50.8(2.5)	49.5(2.1)
STRONGLY DISAGREE	46.6(3.0)@	39.2(4.9)	50.0(4.0)	56.2(3.3)	62.3(2.9)	62.0(3.2)	60.2(3.4)
CAN STUDENTS HELP SOLVE POLLUTION							
DEFINITELY YES	50.7(2.5)	41.2(4.4)	43.5(3.9)	52.9(2.5)	55.2(2.8)	54.6(3.2)	50.5(3.0)
PROBABLY YES	40.4(2.5)	36.3(2.5)	42.5(2.8)	46.7(2.9)	44.8(2.4)	47.6(2.7)	48.5(2.3)
NOT SURE	27.6(3.4)	30.7(2.6)	27.8(4.0)	20.5(3.8)	27.9(3.9)	30.9(4.2)	33.9(5.2)
PROBABLY NOT	35.2(5.0)	29.4(3.1)	43.8(3.6)	39.7(4.4)	46.7(7.1)	48.7(3.9)	42.1(5.6)
DIFINITELY NOT	*****(****)	20.6(5.9)	29.4(8.2)	*****(****)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE ENERGY WASTE							
DEFINITELY YES	50.2(3.1)	43.8(3.5)	50.4(4.3)	59.1(2.7)	61.6(2.6)	62.9(3.5)	56.2(2.6)
PROBABLY YES	41.4(2.3)	35.3(2.7)	42.2(2.0)	46.0(2.8)	47.7(2.6)	48.3(2.9)	47.6(2.8)
NOT SURE	31.1(3.1)	30.0(2.6)	23.5(3.8)	26.7(3.5)	28.2(3.3)	28.2(3.6)	32.5(3.6)
PROBABLY NOT	39.0(4.3)	29.5(3.2)	43.1(4.1)	38.8(3.5)	35.2(6.0)	42.3(3.3)	43.4(3.8)
DEFINITELY NOT	32.7(7.2)	21.4(6.5)	24.8(6.8)	18.1(5.2)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE FOOD SHORTAGES							
DEFINITELY YES	43.9(2.7)	35.2(4.4)	35.4(5.2)	46.9(3.4)	43.1(4.3)	50.8(4.5)	44.6(4.8)
PROBABLY YES	42.9(3.2)	32.9(2.4)	40.0(2.6)	44.8(2.5)	46.4(2.4)	46.4(3.3)	42.9(2.3)
NOT SURE	38.4(3.1)	34.0(2.7)	33.0(2.6)	39.0(3.3)	40.1(3.6)	38.5(4.3)	43.3(3.6)
PROBABLY NOT	44.6(3.9)	36.7(2.9)	48.3(3.6)	50.8(3.0)	58.4(2.3)	57.8(2.6)	54.9(2.9)
DEFINITELY NOT	34.3(6.8)	29.4(7.4)	38.7(8.0)	35.5(6.6)	39.6(6.0)	46.9(6.5)	43.9(7.0)

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L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 300

	1977	1982	1986	1990	1992	1994	1996
STUDENTS HELP SOLVE OVERPOPULATION							
DEFINITELY YES	49.9(2.6)	39.0(3.7)	50.2(5.7)	48.9(3.2)	52.5(5.3)	56.1(4.1)	48.5(6.1)
PROBABLY YES	44.4(3.1)	37.5(2.7)	41.1(4.2)	49.9(3.2)	50.7(3.4)	51.2(4.7)	45.9(3.3)
NOT SURE	34.2(3.0)	30.3(4.3)	32.9(3.2)	38.1(4.1)	40.3(4.3)	37.5(3.7)	38.8(3.9)
PROBABLY NOT	40.6(4.8)	36.1(2.8)	43.7(3.1)	49.3(3.3)	51.3(2.3)	53.9(2.9)	52.8(3.1)
DEFINITELY NOT	31.3(3.8)	26.9(4.5)	35.6(3.4)	35.9(3.0)	41.8(3.3)	44.2(2.9)	42.3(3.0)
STUDENTS HELP SAVE NATURAL RESOURCES							
DEFINITELY YES	54.5(5.4)	46.8(6.1)	50.3(5.5)	61.4(4.1)	65.5(3.6)	64.4(4.4)	58.8(3.9)
PROBABLY YES	44.4(3.5)	39.2(3.2)	49.3(4.2)	52.4(2.6)	58.4(2.8)	55.5(3.3)	54.0(2.8)
NOT SURE	35.5(2.7)	30.3(3.0)	26.3(3.4)	29.9(3.4)	28.2(3.3)	32.6(3.5)	35.8(3.2)
PROBABLY NOT	41.6(4.2)	32.8(2.8)	42.9(2.9)	44.3(3.5)	42.8(3.1)	49.6(2.9)	46.6(2.6)
DEFINITELY NOT	38.9(5.7)	30.2(4.7)	35.4(4.0)	26.2(3.4)	31.8(5.1)	36.0(3.9)	37.1(5.2)
STUDENTS HELP SOLVE ACCIDENTS							
DEFINITELY YES	48.7(3.4)	38.2(3.3)	38.2(4.6)	46.4(3.2)	50.3(3.4)	50.6(3.8)	43.9(3.8)
PROBABLY YES	40.7(3.1)	32.8(2.5)	38.5(3.4)	44.8(2.8)	45.8(2.6)	44.3(2.9)	49.2(2.7)
NOT SURE	34.3(2.8)	32.8(4.2)	34.2(3.9)	36.2(3.5)	39.6(4.0)	43.0(4.7)	40.9(5.1)
PROBABLY NOT	44.0(4.7)	36.1(3.5)	48.6(4.0)	48.3(3.2)	51.6(3.0)	53.6(3.7)	48.5(3.8)
DEFINITELY YES	38.8(5.6)	31.3(5.6)	41.4(4.3)	45.8(4.1)	47.9(4.9)	51.9(4.5)	48.7(3.8)
SCIENCE CLASSES ARE USEFUL							
STRONGLY AGREE	45.9(3.8)@	42.2(2.8)	56.3(3.0)	56.6(3.6)	60.5(3.1)	59.5(2.9)	61.0(2.5)
AGREE	44.1(2.3)	38.2(2.4)	43.5(2.6)	41.2(2.3)	44.5(2.6)	45.1(1.9)	49.3(2.7)
NO OPINION	37.1(4.3)	29.2(5.0)	29.9(4.9)	21.9(3.6)	23.9(3.7)	28.6(4.1)	29.7(4.3)
DISAGREE	34.0(5.2)	26.9(8.0)	30.2(5.2)	22.8(5.3)	30.1(6.8)	29.8(7.1)	39.1(9.0)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE CLASSES UNRELATED TO REAL WORLD							
STRONGLY AGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	32.0(4.8)	29.7(5.6)	38.3(6.6)	21.4(4.5)	31.5(3.9)	36.6(5.7)	35.8(4.3)
NO OPINION	39.5(3.6)	30.1(5.4)	34.2(4.3)	26.5(3.4)	31.1(3.7)	33.2(4.1)	34.4(5.0)
DISAGREE	42.2(2.4)@	38.1(1.8)	44.6(2.3)	42.4(2.6)	46.0(2.7)	47.8(1.9)	52.3(2.6)
STRONGLY DISAGREE	46.5(2.5)@	41.0(2.8)	53.3(3.3)	58.0(3.6)	60.4(3.4)	58.3(2.5)	62.3(3.5)
SCIENCE SHOULD BE REQUIRED IN SCHOOL							
STRONGLY AGREE	40.5(3.1)@	40.3(4.3)	50.7(3.3)	55.3(3.6)	58.1(3.2)	54.6(3.1)	62.3(2.7)
AGREE	44.3(2.7)	38.3(2.1)	45.8(2.7)	42.1(2.5)	45.9(2.7)	47.1(2.3)	47.7(2.7)
NO OPINION	42.6(4.8)	37.9(4.0)	39.3(5.0)	30.0(2.7)	31.0(3.3)	34.3(3.6)	38.9(4.9)
DISAGREE	44.8(2.5)	33.6(4.7)	32.7(4.8)	24.4(5.2)	28.0(5.8)	39.0(5.5)	46.7(5.8)
STRONGLY DISAGREE	36.8(4.8)	28.7(10.3)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 300

	1977	1982	1986	1990	1992	1994	1996
SCIENCE CLASSES USEFUL IN EVERYDAY LIFE							
STRONGLY AGREE	37.4(4.1)	41.0(5.0)	42.5(6.2)	45.2(4.8)	47.8(4.5)	51.2(4.7)	51.5(4.9)
AGREE	43.2(2.6)	38.1(2.3)	43.2(3.0)	46.3(3.3)	51.0(3.0)	49.0(2.5)	51.1(2.2)
NO OPINION	44.9(2.9)	38.3(3.9)	42.9(4.1)	35.9(3.0)	38.2(2.7)	40.0(4.3)	44.8(3.7)
DISAGREE	44.7(3.1)	36.4(4.2)	47.9(3.8)	41.8(2.7)	45.7(3.5)	48.1(3.4)	53.5(4.4)
STRONGLY DISAGREE	36.4(4.6)	31.8(7.3)	39.1(8.6)	27.1(7.4)	31.9(5.5)	*****(****)	*****(****)
SCIENCE CLASSES WILL BE USEFUL IN FUTURE							
STRONGLY AGREE	44.0(3.0)@	42.4(3.7)	44.0(3.7)	51.7(4.8)	54.3(3.2)	53.1(2.6)	58.2(3.2)
AGREE	42.6(2.3)	38.3(2.6)	47.1(2.1)	44.7(2.5)	47.8(2.7)	47.0(2.3)	50.4(2.5)
NO OPINION	42.8(3.7)	32.6(5.0)	37.2(5.3)	32.2(2.8)	37.8(3.5)	38.1(3.1)	40.8(3.6)
DISAGREE	42.6(4.1)	34.5(4.8)	45.2(5.6)	37.1(5.8)	41.7(4.5)	49.2(5.9)	55.7(6.7)
STRONGLY DISAGREE	35.5(7.9)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENTISTS SHOULD EXPERIMENT ON PEOPLE W/OUT APPROVAL							
ALWAYS	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	35.8(6.3)	24.6(6.3)	33.8(8.9)	44.6(5.6)	27.3(5.9)	45.1(5.1)	39.9(6.8)
SELDOM	49.4(3.4)	37.9(4.2)	46.2(6.1)	44.4(4.5)	46.6(6.9)	44.7(7.9)	55.3(7.2)
NEVER	42.5(1.7)@	35.2(1.8)	45.3(2.1)	42.4(2.4)	47.6(2.2)	48.0(1.4)	50.9(2.0)
SCIENTISTS SHOULD CREATE DISEASES FOR WARFARE							
ALWAYS	*****(****)	22.9(5.0)	28.0(8.6)	24.4(5.9)	23.2(6.8)	29.2(9.8)	*****(****)
OFTEN	*****(****)	16.2(7.6)	26.0(8.3)	*****(****)	*****(****)	25.1(8.4)	*****(****)
SOMETIMES	35.0(5.5)	27.0(3.3)	39.4(5.1)	38.0(4.6)	37.2(4.9)	35.0(5.2)	38.4(6.8)
SELDOM	41.2(4.4)	36.2(3.8)	40.2(4.3)	41.6(4.9)	45.2(4.4)	41.9(4.6)	47.8(4.3)
NEVER	44.0(1.7)@	37.4(1.9)	46.5(2.3)	43.8(2.4)	48.3(2.3)	50.1(1.8)	52.4(2.3)
SCIENTISTS SHOULD WORK ON SECRET PROJECTS							
ALWAYS	42.0(4.9)	33.9(4.0)	40.8(5.3)	47.0(4.8)	38.3(3.5)	46.3(5.9)	56.8(5.1)
OFTEN	41.4(3.5)	38.7(3.1)	40.4(3.2)	43.8(4.2)	43.2(5.5)	46.8(4.2)	52.8(5.0)
SOMETIMES	43.9(1.8)@	34.6(2.2)	50.5(2.5)	47.8(3.3)	50.7(3.1)	50.0(2.0)	54.8(2.7)
SELDOM	43.1(3.4)	28.9(3.9)	45.3(4.4)	41.6(3.5)	49.6(3.2)	50.2(3.4)	51.3(4.0)
NEVER	38.2(4.2)	27.1(4.6)	33.9(4.6)	29.9(2.8)	39.5(2.7)	39.4(2.5)	40.5(4.2)
SCIENTISTS SHOULD CONTROL PEOPLE'S ACTIONS							
ALWAYS	*****(****)	11.3(5.8)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	14.8(4.0)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	42.0(4.5)	30.5(4.1)	42.2(4.2)	42.6(5.4)	37.8(4.9)	45.8(5.3)	46.1(3.5)
SELDOM	47.2(3.6)	40.7(4.0)	53.4(5.0)	49.6(5.0)	51.8(4.9)	48.2(4.8)	57.4(4.7)
NEVER	42.6(1.7)@	35.5(1.6)	44.2(2.2)	42.3(2.3)	47.8(2.2)	48.1(1.7)	51.1(2.3)

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(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 300

	1977	1982	1986	1990	1992	1994	1996
SUBJECT STUDIED BY RACE/ETHNICITY							
GEN SCI − WHITE	*****(****)	*****(****)	48.2(1.5)@	50.1(1.5)	54.9(1.5)	57.0(2.0)	57.0(1.7)
GEN SCI − BLACK	*****(****)	*****(****)	14.0(2.6)	17.8(4.7)	15.9(3.6)	15.4(2.4)	18.4(3.3)
GEN SCI − HISPANIC	*****(****)	*****(****)	16.3(3.7)	23.8(3.8)	24.5(4.7)	23.2(3.3)	26.1(3.6)
BIOLOGY − WHITE	*****(****)	*****(****)	51.7(1.9)@	54.3(1.7)	59.2(1.7)	60.7(1.5)	60.5(1.8)
BIOLOGY − BLACK	*****(****)	*****(****)	15.4(2.8)	18.8(4.8)	15.9(2.9)	17.6(2.6)	20.4(3.0)
BIOLOGY − HISPANIC	*****(****)	*****(****)	17.9(3.1)	25.5(4.3)	27.0(4.2)	28.0(4.7)	27.0(2.3)
CHEMISTRY − WHITE	*****(****)	*****(****)	70.4(2.4)	76.7(1.8)	79.2(1.7)	76.9(2.2)	76.2(1.9)
CHEMISTRY − BLACK	*****(****)	*****(****)	28.4(6.4)	34.2(8.1)	31.8(4.2)	27.3(4.3)	34.2(6.0)
CHEMISTRY − HISPANIC	*****(****)	*****(****)	32.8(9.0)	45.8(8.0)	45.7(5.5)	38.2(5.4)	39.2(4.6)
PHYSICS − WHITE	*****(****)	*****(****)	69.3(4.9)	66.1(3.2)	70.9(3.3)	76.8(3.9)	76.3(4.0)
PHYSICS − BLACK	*****(****)	*****(****)	6.3(4.3)	25.1(11.7)	*****(****)	27.4(7.2)	28.3(6.3)
PHYSICS − HISPANIC	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SUBJECT STUDIED BY GENDER							
GEN SCI − MALE	*****(****)	*****(****)	51.0(2.0)	49.5(1.7)	52.0(2.0)	54.3(2.1)	53.5(1.8)
GEN SCI − FEMALE	*****(****)	*****(****)	33.2(1.7)@	38.4(1.7)	42.7(1.6)	42.9(2.2)	44.2(1.6)
BIOLOGY − MALE	*****(****)	*****(****)	53.5(2.2)	53.2(1.8)	55.6(2.1)	57.7(1.8)	56.9(1.9)
BIOLOGY − FEMALE	*****(****)	*****(****)	37.8(1.8)@	42.2(1.7)	45.5(1.7)	46.3(1.8)	46.7(1.8)
CHEMISTRY − MALE	*****(****)	*****(****)	73.1(3.0)	74.4(2.5)	77.8(2.1)	73.8(2.6)	74.3(2.4)
CHEMISTRY − FEMALE	*****(****)	*****(****)	57.0(2.7)	64.0(2.0)	66.5(2.2)	61.8(2.9)	61.8(2.5)
PHYSICS − MALE	*****(****)	*****(****)	60.1(6.1)	63.0(3.8)	62.0(3.6)	69.5(3.7)	63.6(4.0)
PHYSICS − FEMALE	*****(****)	*****(****)	41.1(4.4)@	48.4(4.6)	57.8(4.2)	63.0(5.2)	60.9(5.1)
DIFFERENCES							
WHITE − BLACK	39.8(1.2)	37.5(1.6)	36.2(2.7)	35.6(4.3)	41.4(3.0)	42.1(2.8)	40.8(3.2)
WHITE − HISPANIC	29.0(2.2)	32.8(2.3)	33.9(3.3)	30.1(3.7)	32.4(4.2)	35.8(4.4)	34.5(3.0)
MALE − FEMALE	13.9(1.5)	15.3(1.7)	14.7(2.5)	9.5(2.3)	8.9(2.6)	10.5(2.5)	9.2(2.2)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 350

	1977	1982	1986	1990	1992	1994	1996
-- Total --	8.5(0.4)	7.1(0.4)	7.9(0.7)	9.2(0.5)	10.1(0.7)	10.0(0.8)	10.8(1.0)
Gender							
Male	11.8(0.6)	10.4(0.8)	11.4(1.3)	13.0(0.8)	13.6(1.0)	13.8(1.2)	14.2(1.4)
Female	5.3(0.4)	3.9(0.4)	4.5(0.8)	5.5(0.5)	6.6(1.0)	6.4(0.6)	7.4(1.0)
Race/Ethnicity							
White	10.0(0.4)	8.6(0.6)	9.6(0.9)	11.4(0.7)	12.8(0.9)	13.2(1.1)	13.8(1.4)
Black	0.4(0.2)	0.2(0.2)	0.9(0.6)	1.5(0.8)	0.8(****)	0.5(0.3)	0.8(0.5)
Hispanic	1.8(0.6)	1.4(0.9)	1.1(0.7)	2.1(****)	2.5(1.2)	1.5(0.7)	3.0(1.4)
Other	6.3(2.2)	2.8(1.9)	8.6(****)	11.6(4.1)	10.2(2.8)	7.3(2.8)	12.9(4.3)
Grade							
Below Modal Grade	1.3(0.3)	2.0(0.6)	2.0(0.9)	2.6(0.8)	2.4(0.7)	3.2(0.9)	3.4(1.2)
At Modal Grade	9.3(0.4)	7.8(0.6)	8.7(0.9)	10.9(0.6)	12.3(0.8)	11.7(1.0)	12.9(1.4)
Above Modal Grade	12.6(1.0)	9.6(1.0)	12.1(3.2)	12.1(3.0)	16.0(4.0)	13.4(3.4)	14.2(2.7)
Region							
Northeast	10.8(0.9)	7.6(0.9)	10.8(1.9)	10.2(1.1)	12.9(1.9)	13.2(2.2)	11.0(2.1)
Southeast	5.2(0.7)	5.7(0.9)	6.0(1.2)	6.7(1.0)	6.2(0.7)	6.8(1.4)	7.9(1.5)
Central	9.6(0.6)	7.9(1.2)	8.7(1.7)	12.5(1.2)	13.1(1.4)	11.0(1.5)	14.6(2.1)
West	7.2(0.8)	6.7(0.8)	5.9(1.7)	7.4(1.1)	8.9(1.9)	9.4(2.2)	9.6(1.4)
Type Of Location							
Central City	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	9.0(1.9)	8.4(1.2)
Urban Fringe/Large Tow	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	10.8(1.1)	12.3(1.8)
Rural/Small Town	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	10.0(1.3)	11.8(2.1)
Parents' Education Level							
Less than H.S.	2.2(0.3)	1.9(0.6)	0.7(****)	1.3(0.7)	1.6(0.6)	0.9(****)	2.1(****)
Graduated H.S.	5.7(0.3)	3.9(0.7)	3.7(0.8)	3.8(0.8)	4.8(1.2)	3.6(1.0)	5.2(1.4)
Some Educ After H.S.	8.7(0.8)	7.4(1.2)	8.0(1.4)	8.8(0.9)	7.8(1.0)	7.2(0.9)	8.1(1.5)
Graduated College	15.7(0.8)	12.4(0.8)	13.2(1.4)	15.3(0.9)	16.3(1.2)	16.7(1.5)	16.4(1.5)
Unknown	1.7(0.6)	1.8(1.0)	1.0(****)	0.8(****)	2.4(****)	2.4(****)	1.3(****)
Type Of School							
Public	8.1(0.4)	6.9(0.4)	7.2(0.7)	8.7(0.5)	9.6(0.8)	9.4(0.5)	10.5(1.1)
Non−Public	14.8(1.9)	8.5(2.3)	23.1(7.7)	15.8(3.2)	14.1(2.7)	14.8(4.0)	13.0(3.1)
Quartiles							
Upper	29.2(1.1)@	24.5(1.4)	31.1(2.0)	36.3(1.5)	39.7(2.0)	39.2(2.0)	42.2(3.5)
Middle two	2.4(0.2)@	1.9(0.2)	0.2(0.1)	0.2(****)	0.5(0.3)	0.4(0.2)	0.5(0.3)
Lower	0.0(****)	0.0(****)	0.0(****)	0.0(****)	0.0(****)	0.0(****)	0.0(****)
TELEVISION WATCHED/DAY							
0 − 2 HOURS	*****(****)	*****(****)	11.1(1.2)	13.1(0.7)	13.7(1.1)	13.6(1.1)	14.5(1.5)
3 − 5 HOURS	*****(****)	*****(****)	5.9(0.7)	6.0(0.7)	6.8(0.9)	6.6(1.1)	7.2(1.0)
6 HOURS OR MORE	*****(****)	*****(****)	2.2(1.2)	1.6(****)	2.6(1.4)	3.3(1.5)	2.2(1.5)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 350

	1977	1982	1986	1990	1992	1994	1996
RULES CONCERNING TELEVISION VIEWING							
HAVE RULES	*****(****)	*****(****)	8.0(1.8)	9.0(1.5)	12.3(1.4)	10.2(2.4)	13.2(2.5)
DO NOT HAVE RULES	*****(****)	*****(****)	7.9(0.7)	9.2(0.5)	9.9(0.7)	10.0(0.8)	10.5(1.1)
MOTHER'S EDUCATION							
LESS THAN H.S.	*****(****)	3.3(0.6)	1.7(0.8)	3.2(1.0)	2.9(0.8)	1.9(0.7)	3.0(1.0)
GRADUATED H.S.	*****(****)	4.9(0.9)	6.1(0.9)	5.9(0.6)	7.0(1.1)	6.2(1.0)	7.7(1.3)
SOME EDUC AFTER H.S	*****(****)	8.1(1.1)	10.1(1.5)	10.6(1.4)	10.2(1.4)	10.2(1.6)	11.0(1.9)
GRADUATED COLLEGE	*****(****)	13.7(1.2)	14.3(1.9)	16.9(1.4)	17.7(1.5)	18.0(1.8)	17.3(1.6)
UNKNOWN	*****(****)	2.1(0.7)	1.4(****)	1.8(1.1)	2.6(1.5)	2.6(****)	1.2(****)
FATHER'S EDUCATION							
LESS THAN H.S.	*****(****)	2.4(0.6)	2.9(0.8)	2.9(0.9)	2.7(1.3)	2.4(0.8)	4.1(1.7)
GRADUATED H.S.	*****(****)	6.5(0.7)	5.0(1.1)	4.9(0.6)	6.4(0.8)	5.1(0.7)	6.3(1.1)
SOME EDUC AFTER H.S	*****(****)	9.5(1.5)	8.5(1.6)	10.5(1.2)	10.0(1.3)	9.7(1.4)	11.2(1.4)
GRADUATED COLLEGE	*****(****)	11.9(1.2)@	14.6(1.6)	17.1(1.0)	17.4(1.4)	18.3(1.8)	17.6(1.8)
UNKNOWN	*****(****)	2.6(1.7)	1.4(0.8)	1.6(1.0)	3.3(1.2)	3.2(1.2)	1.5(****)
TIME WORKED AT PART-TIME JOB							
NONE	*****(****)	*****(****)	7.8(1.1)	9.8(0.8)	10.6(1.0)	10.6(1.3)	11.6(1.4)
< 6 HOURS	*****(****)	*****(****)	13.7(3.0)	14.7(3.2)	15.3(2.8)	13.1(3.3)	16.6(4.2)
6 TO 10 HOURS	*****(****)	*****(****)	10.6(2.0)	12.7(2.0)	12.8(2.0)	12.3(2.3)	14.1(2.3)
11 TO 15 HOURS	*****(****)	*****(****)	6.5(2.5)	10.9(2.6)	11.2(2.2)	12.0(2.3)	10.6(2.4)
16 TO 20 HOURS	*****(****)	*****(****)	9.7(1.9)	11.2(1.3)	10.5(2.0)	13.3(2.6)	10.7(2.2)
21 TO 25 HOURS	*****(****)	*****(****)	8.6(2.3)	7.5(1.5)	7.3(1.9)	7.3(1.8)	8.4(2.4)
26 TO 30 HOURS	*****(****)	*****(****)	7.6(3.6)	3.5(1.8)	6.7(2.3)	8.1(3.3)	10.8(3.8)
> 30 HOURS	*****(****)	*****(****)	5.2(3.1)	6.9(2.3)	9.5(4.4)	3.7(2.1)	6.2(2.6)
MOTHER/STEPMOTHER EMPLOYMENT							
HAS A FULL-TIME JOB	*****(****)	*****(****)	9.2(1.0)	9.3(0.7)	10.9(1.0)	11.4(0.9)	12.3(1.4)
HAS A PART-TIME JOB	*****(****)	*****(****)	9.4(2.1)	15.6(1.5)	12.8(1.6)	14.4(2.2)	14.6(2.5)
DOES NOT HAVE A JOB	*****(****)	*****(****)	8.8(1.4)	11.3(1.8)	12.8(1.6)	11.7(2.8)	12.5(1.8)
MTHR LIVES ELSEWHERE	*****(****)	*****(****)	7.4(****)	6.9(2.7)	5.4(3.0)	6.1(3.8)	13.3(6.2)
FATHER/STEPFATHER EMPLOYMENT							
HAS A PART-TIME JOB	*****(****)	*****(****)	9.8(0.8)@	11.9(0.6)	12.4(0.8)	13.0(1.4)	13.7(1.3)
HAS A FULL-TIME JOB	*****(****)	*****(****)	8.7(4.3)	5.5(****)	8.9(5.8)	5.4(3.5)	17.7(4.0)
DOES NOT HAVE A JOB	*****(****)	*****(****)	5.1(2.1)	4.3(2.2)	5.9(2.7)	6.2(2.5)	7.9(3.5)
FTHR LIVES ELSEWHERE	*****(****)	*****(****)	6.5(1.9)	5.3(1.2)	8.5(2.8)	6.8(2.7)	6.5(2.1)
HIGH SCHOOL PROGRAM							
GENERAL	*****(****)	*****(****)	2.7(0.5)	3.0(0.5)	3.2(0.5)	3.6(0.7)	4.8(0.8)
ACADEMIC/COLLEGE PREP	*****(****)	*****(****)	13.1(1.0)	14.7(0.7)	16.1(1.3)	14.9(1.1)	15.9(1.7)
VOCATIONAL/TECHNICAL	*****(****)	*****(****)	1.5(0.8)	2.1(1.0)	2.5(1.4)	4.0(1.8)	3.2(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 350

	1977	1982	1986	1990	1992	1994	1996
CURRENT ENGLISH CLASS							
NONE	*****(****)	*****(****)	2.0(****)	2.5(****)	4.0(****)	8.3(3.4)	9.0(3.3)
ADVNCD PLCMNT/HONORS	*****(****)	*****(****)	16.7(1.9)	21.9(2.1)	21.7(2.3)	18.9(2.1)	19.7(1.9)
COLLEGE PREP	*****(****)	*****(****)	12.4(1.8)	12.5(1.3)	13.9(1.6)	13.4(1.5)	13.7(2.3)
GENERAL	*****(****)	*****(****)	3.4(0.5)	3.8(0.6)	4.9(0.7)	5.2(0.8)	5.4(1.1)
REMEDIAL	*****(****)	*****(****)	0.0(****)	0.5(****)	0.8(****)	*****(****)	*****(****)
CURRENTLY TAKING SCIENCE							
YES	*****(****)	*****(****)	10.9(1.1)	12.0(0.6)	12.2(0.9)	12.1(1.0)	12.7(1.2)
NO	*****(****)	*****(****)	3.6(0.9)	3.5(0.6)	3.8(1.1)	4.0(1.0)	4.1(1.1)
GENERAL SCIENCE COURSE							
HAVE TAKEN	*****(****)	*****(****)	7.7(0.6)	9.0(0.5)	10.1(0.8)	9.6(0.9)	10.5(1.2)
HAVE NOT TAKEN	*****(****)	*****(****)	10.7(1.8)	12.2(1.5)	11.7(1.2)	14.4(1.7)	14.8(1.8)
BIOLOGY COURSE							
HAVE TAKEN	*****(****)	*****(****)	8.9(0.7)	10.3(0.5)	11.2(0.8)	11.2(0.9)	11.8(1.2)
HAVE NOT TAKEN	*****(****)	*****(****)	3.6(1.2)	4.2(1.2)	1.7(0.8)	1.5(****)	2.8(1.6)
CHEMISTRY COURSE							
HAVE TAKEN	*****(****)	*****(****)	17.1(1.5)	19.4(1.0)	18.7(1.2)	17.7(1.3)	18.0(2.0)
HAVE NOT TAKEN	*****(****)	*****(****)	2.6(0.4)	2.0(0.4)	2.8(0.9)	2.8(0.6)	3.2(0.7)
PHYSICS COURSE							
HAVE TAKEN	*****(****)	*****(****)	17.5(2.7)	19.5(2.2)	20.8(2.1)	22.3(3.0)	18.5(2.8)
HAVE NOT TAKEN	*****(****)	*****(****)	7.0(0.7)	8.1(0.5)	8.7(0.9)	8.0(0.7)	9.9(1.2)
PARTICIPATION IN LITTER CLEAN−UP PROJECT							
MANY TIMES	8.4(2.9)	6.9(2.7)	5.6(2.5)	8.4(2.9)	13.8(3.0)	20.4(3.8)	13.2(3.7)
NOT OFTEN, > 2 TIMES	7.5(1.7)	7.7(1.9)	6.5(2.1)	12.9(2.2)	12.0(2.5)	14.6(2.7)	11.7(3.0)
1 OR 2 TIMES	8.0(1.1)	5.7(1.2)	8.3(2.0)	11.1(1.0)	11.4(1.8)	9.7(1.6)	11.0(2.1)
NEVER	5.9(1.7)	4.3(1.5)	5.8(1.3)	6.8(1.1)	6.5(1.5)	5.2(1.2)	5.2(1.1)
SEPARATE TRASH FOR RECYCLING							
MANY TIMES	8.0(3.0)	6.2(1.9)	7.1(2.4)	14.0(1.9)	13.6(1.6)	13.6(1.6)	12.5(1.7)
NOT OFTEN, > 2 TIMES	8.1(2.3)	5.9(1.6)	7.8(1.8)	11.8(2.1)	12.1(4.2)	10.2(1.9)	10.2(1.8)
1 OR 2 TIMES	6.9(1.6)	6.9(1.4)	7.5(1.7)	7.2(1.4)	6.3(1.7)	6.6(1.9)	6.8(1.6)
NEVER	7.3(0.9)	5.7(1.4)	5.8(2.0)	6.2(1.1)	3.8(1.2)	5.1(2.1)	4.2(1.5)
HOW MUCH CAN SCIENCE PREVENT STARVATION							
NONE	1.5(1.0)	3.8(2.0)	2.1(1.2)	2.6(1.3)	2.7(1.2)	3.0(1.4)	3.2(1.7)
SOME	4.9(1.0)	6.7(1.1)	3.7(0.9)	6.6(0.9)	8.2(1.6)	7.6(0.9)	7.7(1.2)
VERY MUCH	10.6(1.4)@	9.5(1.5)	13.5(2.7)	18.7(2.3)	17.1(2.2)	22.0(3.0)	18.2(2.6)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 350

	1977	1982	1986	1990	1992	1994	1996
HOW MUCH CAN SCIENCE PREVENT ENERGY SHORTAGE							
NONE	1.1(****)	*****(****)	0.0(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	3.9(0.9)	5.2(1.5)	2.6(0.9)	3.7(0.8)	3.1(1.1)	3.9(1.5)	3.8(1.3)
VERY MUCH	9.3(0.9)	9.0(1.2)	8.6(1.6)	12.0(1.1)	12.4(1.3)	12.5(1.2)	11.7(1.4)
HOW MUCH CAN SCIENCE FIND CURES FOR DISEASES							
NONE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOME	2.6(0.9)	4.3(2.0)	2.5(1.4)	3.1(1.2)	3.3(1.4)	2.3(1.4)	3.9(2.3)
VERY MUCH	8.5(0.8)	8.3(1.0)	7.7(1.6)	10.9(1.0)	11.3(1.1)	11.7(1.2)	10.6(1.1)
HOW MUCH CAN SCIENCE CONTROL WEATHER							
NONE	4.4(0.9)@	6.5(1.3)	5.3(1.2)	9.7(1.3)	11.2(1.7)	10.2(1.3)	9.4(1.4)
SOME	9.9(1.4)	8.7(1.6)	8.1(1.8)	10.3(1.4)	8.9(1.4)	9.6(1.9)	8.8(1.8)
VERY MUCH	9.5(1.6)	8.0(2.9)	8.1(2.4)	8.5(1.8)	10.2(2.0)	11.8(2.5)	11.6(3.1)
HOW MUCH CAN SCIENCE PREVENT WARS							
NONE	6.9(0.9)	7.2(1.6)	4.1(1.1)	8.5(0.9)	7.5(1.2)	7.8(1.2)	7.3(1.3)
SOME	8.6(1.4)	7.5(1.5)	9.8(2.2)	11.9(1.9)	12.9(2.0)	13.3(1.8)	12.6(2.2)
VERY MUCH	7.3(3.1)	10.2(4.4)	7.1(2.5)	7.5(2.6)	12.5(5.2)	12.4(4.0)	11.2(3.4)
HOW MUCH CAN SCIENCE PREVENT BIRTH DEFECTS							
NONE	2.8(1.0)	2.6(****)	0.8(****)	1.7(****)	1.5(****)	1.6(0.9)	3.0(****)
SOME	6.2(0.9)	7.5(1.0)	4.7(1.2)	6.8(1.1)	7.4(1.1)	7.7(1.7)	6.6(1.1)
VERY MUCH	10.1(1.5)	8.7(2.0)	9.3(2.2)	13.2(1.3)	13.4(1.7)	13.2(1.3)	12.7(1.6)
HOW MUCH CAN SCIENCE SAVE NATURAL RESOURCES							
NONE	5.8(2.3)	6.5(4.4)	5.6(3.6)	5.0(****)	4.1(2.6)	5.2(****)	2.9(****)
SOME	6.1(1.0)	6.4(0.7)	6.0(1.2)	8.6(1.2)	8.4(1.7)	8.1(1.6)	8.2(1.8)
VERY MUCH	9.3(1.2)	9.3(1.9)	7.4(1.8)	10.6(1.0)	11.5(1.3)	12.0(1.5)	10.9(1.6)
HOW MUCH CAN SCIENCE REDUCE POLLUTION							
NONE	1.6(****)	4.4(****)	2.3(****)	4.5(2.0)	0.6(****)	0.8(****)	0.8(****)
SOME	5.6(1.2)	6.5(1.3)	4.7(1.1)	6.9(1.3)	6.6(1.1)	6.9(1.5)	6.7(1.6)
VERY MUCH	9.7(0.9)	9.1(1.2)	8.5(1.9)	11.8(1.0)	12.6(1.5)	12.6(1.4)	12.0(1.8)
HOW MUCH CAN SCIENCE REDUCE OVERPOPULATION							
NONE	3.2(0.7)	6.0(1.4)	4.5(1.0)	6.1(1.0)	6.7(1.2)	7.1(1.3)	5.6(1.3)
SOME	8.7(1.1)	8.4(1.0)	6.8(1.3)	12.3(1.3)	11.4(1.2)	11.5(1.3)	11.3(1.8)
VERY MUCH	10.5(1.4)	9.0(2.6)	12.4(3.7)	13.2(2.8)	16.7(2.3)	16.6(2.7)	16.5(3.2)

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(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 350

	1977	1982	1986	1990	1992	1994	1996
SCIENCE HELPS ONE UNDERSTAND THEIR BODY							
STRONGLY AGREE	9.7(1.1)@	9.1(2.4)	10.1(2.7)	15.5(1.4)	14.7(1.9)	15.4(2.1)	15.7(1.7)
AGREE	8.2(1.1)	8.1(1.3)	5.1(1.2)	7.5(0.9)	8.5(1.3)	7.4(1.0)	5.9(1.4)
NO OPINION	5.0(2.9)	5.1(1.6)	5.2(2.3)	3.1(1.4)	2.4(1.0)	1.8(****)	2.1(****)
DISAGREE	3.6(****)	5.5(****)	3.6(****)	*****(****)	*****(****)	*****(****)	*****(****)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE NOT USEFUL OUTSIDE OF CLASS							
STRONGLY AGREE	9.5(5.8)	6.7(4.3)	3.0(****)	2.9(1.9)	6.7(4.4)	5.5(****)	3.2(****)
AGREE	6.2(2.5)	5.4(2.8)	3.5(1.9)	4.8(1.2)	2.9(1.1)	5.2(2.2)	2.9(2.0)
NO OPINION	5.4(1.4)	6.9(3.2)	4.9(1.9)	3.5(1.2)	5.2(2.4)	4.0(2.4)	3.4(1.8)
DISAGREE	8.7(1.3)	7.8(1.5)	6.7(1.2)	9.8(1.1)	10.8(1.2)	10.0(1.5)	9.7(1.5)
STRONGLY DISAGREE	11.0(2.1)	10.9(3.0)	12.4(2.9)	19.7(2.6)	16.9(2.4)	18.9(2.3)	19.4(3.6)
SCIENCE GOOD ONLY IN LABORATORY							
STRONGLY AGREE	4.5(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	3.7(2.0)	5.8(2.7)	3.3(1.7)	4.4(1.7)	3.1(1.7)	3.5(2.0)	4.9(****)
NO OPINION	6.9(2.1)	6.4(2.0)	4.7(1.7)	3.9(1.4)	3.0(2.0)	4.5(1.6)	4.6(1.4)
DISAGREE	8.7(0.9)	7.9(1.2)	6.7(1.6)	9.9(1.0)	9.9(1.4)	8.8(1.2)	8.9(2.0)
STRONGLY DISAGREE	10.8(1.7)	9.4(2.5)	10.7(2.6)	16.5(2.0)	18.1(2.8)	19.6(2.4)	18.4(2.8)
CAN STUDENTS HELP SOLVE POLLUTION							
DEFINITELY YES	9.4(2.0)	9.6(2.3)	7.2(1.8)	14.0(1.8)	12.3(1.5)	13.4(1.8)	10.8(1.8)
PROBABLY YES	7.0(1.1)	6.1(1.3)	6.5(1.8)	8.6(1.3)	9.5(1.6)	8.0(1.5)	10.0(1.4)
NOT SURE	3.7(1.4)	4.6(1.8)	3.3(1.3)	3.5(1.7)	4.1(2.1)	6.2(2.1)	3.8(2.1)
PROBABLY NOT	5.9(2.2)	5.2(2.0)	9.7(2.7)	7.4(2.0)	10.5(2.6)	11.5(4.1)	9.0(2.6)
DIFINITELY NOT	*****(****)	4.1(****)	3.5(****)	*****(****)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE ENERGY WASTE							
DEFINITELY YES	9.7(2.0)	9.6(1.8)	10.3(2.6)	17.2(1.8)	15.4(1.9)	16.6(2.1)	13.8(2.0)
PROBABLY YES	7.0(1.4)	6.0(1.4)	6.2(1.3)	8.3(1.1)	9.5(1.6)	9.2(1.5)	9.7(2.0)
NOT SURE	4.2(1.9)	4.7(1.4)	1.9(0.9)	3.0(1.5)	4.4(2.0)	2.7(1.3)	3.2(1.6)
PROBABLY NOT	6.7(1.9)	5.6(2.1)	8.5(2.7)	6.3(1.7)	6.0(1.8)	8.3(2.9)	8.1(3.5)
DEFINITELY NOT	5.5(****)	2.1(****)	4.3(****)	2.2(****)	*****(****)	*****(****)	*****(****)
STUDENTS HELP SOLVE FOOD SHORTAGES							
DEFINITELY YES	7.7(2.4)	9.1(2.8)	6.2(2.2)	10.4(2.1)	8.4(1.8)	14.3(3.4)	9.9(2.8)
PROBABLY YES	7.9(1.8)	5.5(1.5)	6.0(1.5)	10.3(1.2)	9.7(1.9)	9.7(1.5)	9.6(1.7)
NOT SURE	6.5(1.3)	5.3(1.3)	4.3(1.5)	6.7(1.8)	7.4(1.7)	6.0(1.6)	7.4(1.7)
PROBABLY NOT	7.9(2.0)	6.6(1.8)	9.5(2.1)	11.2(1.3)	14.2(2.6)	12.0(2.1)	11.4(2.0)
DEFINITELY NOT	4.5(****)	5.9(3.8)	6.5(4.1)	8.3(4.8)	9.4(4.0)	11.2(4.4)	8.0(3.5)

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(****) Standard error estimates cannot be accurately determined.
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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 350

	1977	1982	1986	1990	1992	1994	1996
STUDENTS HELP SOLVE OVERPOPULATION							
DEFINITELY YES	9.4(2.0)	8.3(3.6)	9.6(3.2)	11.8(2.2)	12.8(2.8)	18.1(3.7)	12.9(4.1)
PROBABLY YES	7.6(1.5)	5.6(2.0)	4.4(1.5)	11.4(2.3)	10.1(2.6)	12.3(2.7)	10.0(2.9)
NOT SURE	6.1(2.2)	5.3(1.8)	3.3(1.6)	7.5(1.9)	7.6(1.9)	6.0(1.7)	6.0(2.2)
PROBABLY NOT	6.6(2.1)	7.1(1.6)	8.8(1.8)	10.9(1.5)	11.2(2.1)	10.7(1.5)	10.8(2.1)
DEFINITELY NOT	5.5(1.9)	4.7(1.6)	6.5(2.6)	6.5(1.7)	9.4(1.8)	8.8(2.6)	8.4(1.8)
STUDENTS HELP SAVE NATURAL RESOURCES							
DEFINITELY YES	11.8(3.8)	10.6(4.2)	10.6(3.5)	17.9(2.7)	19.3(3.4)	20.4(4.0)	15.9(3.5)
PROBABLY YES	7.9(1.5)	7.9(1.8)	9.0(2.5)	11.9(1.7)	14.6(2.0)	11.9(2.0)	12.3(1.9)
NOT SURE	5.3(1.5)	4.9(1.4)	2.7(1.2)	3.2(1.0)	3.5(1.2)	5.7(1.1)	4.6(1.8)
PROBABLY NOT	7.6(1.5)	5.3(1.5)	7.6(1.7)	8.6(1.3)	6.5(1.5)	8.6(1.9)	9.2(2.3)
DEFINITELY NOT	5.8(1.7)	5.4(1.7)	4.6(2.6)	4.0(1.7)	2.9(1.3)	5.9(3.0)	6.2(2.0)
STUDENTS HELP SOLVE ACCIDENTS							
DEFINITELY YES	9.4(2.0)	9.0(2.5)	6.2(1.7)	11.0(2.0)	11.9(3.2)	11.7(2.3)	8.9(2.7)
PROBABLY YES	6.7(1.1)	5.2(1.3)	4.5(1.2)	9.7(1.6)	10.3(1.7)	9.2(2.1)	9.4(2.0)
NOT SURE	4.9(1.9)	5.4(1.6)	4.2(1.5)	6.0(1.5)	5.1(1.5)	6.4(2.3)	6.5(2.5)
PROBABLY NOT	8.3(2.5)	6.2(1.9)	10.2(2.0)	10.5(1.8)	10.2(2.0)	12.6(2.0)	11.5(2.2)
DEFINITELY YES	6.9(2.1)	6.0(2.0)	9.6(4.0)	9.5(2.5)	12.1(2.5)	10.2(2.5)	10.8(2.6)
SCIENCE CLASSES ARE USEFUL							
STRONGLY AGREE	12.5(1.7)	8.7(2.5)	17.2(2.6)	17.0(2.3)	16.8(1.9)	17.1(2.1)	17.7(2.5)
AGREE	9.3(1.1)	8.0(1.1)	8.3(1.2)	6.4(1.2)	8.8(1.5)	8.1(1.1)	11.0(1.7)
NO OPINION	6.2(1.4)	4.2(2.2)	2.4(****)	2.6(1.1)	2.5(1.1)	2.5(1.2)	3.3(1.4)
DISAGREE	5.9(2.5)	3.6(****)	4.2(****)	3.7(****)	2.4(****)	1.8(****)	3.5(****)
STRONGLY DISAGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENCE CLASSES UNRELATED TO REAL WORLD							
STRONGLY AGREE	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
AGREE	6.8(2.4)	4.0(****)	7.3(2.7)	2.6(1.2)	3.0(1.9)	4.6(2.4)	5.3(2.2)
NO OPINION	7.0(2.7)	4.8(3.0)	3.8(1.9)	3.2(1.7)	3.7(1.3)	3.4(1.5)	4.2(1.7)
DISAGREE	8.6(1.2)	7.8(0.9)	8.8(1.3)	7.7(1.2)	9.8(1.3)	10.0(1.3)	12.0(2.1)
STRONGLY DISAGREE	11.7(1.6)@	8.6(2.3)	15.9(2.3)	16.3(2.7)	17.3(2.7)	15.5(2.6)	19.2(2.2)
SCIENCE SHOULD BE REQUIRED IN SCHOOL							
STRONGLY AGREE	10.9(2.2)@	8.9(3.1)	16.0(2.3)	15.0(2.0)	16.3(2.1)	14.1(2.2)	19.5(2.3)
AGREE	10.0(1.2)	7.7(1.0)	9.0(1.8)	8.1(1.2)	9.2(1.1)	10.0(1.4)	10.1(2.1)
NO OPINION	7.5(1.8)	7.3(2.5)	5.5(1.9)	3.5(1.2)	3.7(1.4)	4.5(1.6)	5.5(1.7)
DISAGREE	9.2(2.3)	5.6(1.8)	4.8(1.8)	1.9(1.1)	2.9(****)	2.5(****)	7.6(3.3)
STRONGLY DISAGREE	7.1(3.3)	5.0(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)

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WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 350

	1977	1982	1986	1990	1992	1994	1996
SCIENCE CLASSES USEFUL IN EVERYDAY LIFE							
STRONGLY AGREE	8.7(2.8)	8.2(2.5)	12.6(3.5)	15.2(3.4)	12.8(3.2)	12.5(2.5)	15.0(3.9)
AGREE	10.5(1.3)	8.0(1.7)	10.7(1.3)	9.7(1.4)	12.8(1.9)	11.8(1.7)	13.9(1.7)
NO OPINION	8.3(1.9)	6.7(2.8)	6.5(2.6)	5.7(1.7)	6.1(1.7)	6.6(1.3)	6.6(1.5)
DISAGREE	9.8(1.5)	7.8(2.2)	9.5(1.8)	7.6(1.4)	8.3(2.2)	8.4(2.2)	11.7(3.1)
STRONGLY DISAGREE	6.0(3.4)	4.8(****)	5.4(****)	1.6(****)	6.9(4.3)	*****(****)	*****(****)
SCIENCE CLASSES WILL BE USEFUL IN FUTURE							
STRONGLY AGREE	12.5(2.5)	9.2(1.9)	14.4(3.0)	15.8(2.8)	14.4(2.1)	13.4(2.0)	17.5(2.6)
AGREE	9.6(1.6)	8.2(1.5)	10.0(1.6)	8.7(0.9)	11.0(1.4)	10.7(1.4)	12.3(2.0)
NO OPINION	7.1(1.0)	5.0(2.0)	5.2(1.8)	3.6(1.3)	6.5(2.2)	5.2(1.3)	6.7(1.7)
DISAGREE	8.2(1.9)	5.5(1.7)	7.3(2.2)	6.8(1.7)	6.1(2.0)	7.8(3.6)	9.6(3.9)
STRONGLY DISAGREE	8.1(4.3)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SCIENTISTS SHOULD EXPERIMENT ON PEOPLE W/OUT APPROVAL							
ALWAYS	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	6.7(2.8)	5.2(3.3)	10.1(5.5)	10.7(3.8)	7.1(4.2)	11.2(5.0)	11.5(3.7)
SELDOM	11.5(2.2)	7.2(2.3)	14.8(3.9)	10.2(4.1)	12.2(3.4)	13.0(4.6)	16.3(4.0)
NEVER	8.7(0.7)	6.2(1.2)	9.2(1.1)	8.6(1.0)	10.4(1.1)	10.0(1.3)	11.8(1.7)
SCIENTISTS SHOULD CREATE DISEASES FOR WARFARE							
ALWAYS	*****(****)	3.3(2.1)	5.0(****)	5.1(3.3)	3.4(****)	3.7(****)	*****(****)
OFTEN	*****(****)	0.6(****)	6.1(****)	*****(****)	*****(****)	3.4(****)	*****(****)
SOMETIMES	6.9(3.8)	4.2(2.0)	8.3(4.2)	9.0(2.8)	8.7(3.4)	7.1(2.2)	9.1(2.9)
SELDOM	9.7(2.3)	6.2(1.6)	8.7(3.5)	9.8(3.0)	9.9(2.2)	11.4(3.2)	14.4(2.9)
NEVER	8.9(0.8)	7.2(1.2)	9.9(1.2)	8.8(1.1)	10.8(1.0)	10.5(1.2)	12.0(1.8)
SCIENTISTS SHOULD WORK ON SECRET PROJECTS							
ALWAYS	10.7(2.8)	6.6(2.2)	9.0(2.2)	13.9(3.3)	9.2(3.1)	11.5(2.8)	14.3(3.6)
OFTEN	9.6(2.6)	8.1(2.3)	10.2(2.5)	8.9(2.2)	12.7(3.1)	10.0(1.9)	14.5(3.5)
SOMETIMES	9.3(1.6)	5.6(1.3)	11.4(2.4)	10.6(1.5)	11.5(1.8)	12.0(1.3)	14.3(2.2)
SELDOM	7.6(1.4)	5.4(1.8)	9.2(2.0)	7.6(1.8)	10.7(2.2)	11.5(2.4)	11.2(2.0)
NEVER	6.2(2.6)	3.5(****)	4.1(2.0)	4.0(1.3)	6.5(1.4)	4.9(1.2)	7.7(2.9)
SCIENTISTS SHOULD CONTROL PEOPLE'S ACTIONS							
ALWAYS	*****(****)	1.1(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
OFTEN	*****(****)	1.2(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SOMETIMES	8.9(2.4)	7.1(2.6)	11.6(4.3)	9.7(3.1)	8.5(3.0)	11.6(3.5)	13.5(3.6)
SELDOM	10.4(2.1)	6.9(2.2)	12.2(2.9)	14.6(2.6)	14.7(3.6)	12.2(3.5)	13.5(3.0)
NEVER	8.6(0.9)	6.3(1.2)	9.1(1.4)	8.1(1.0)	10.2(1.1)	9.9(1.3)	11.8(2.0)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
L/l indicates a significant POSITIVE/negative linear trend; Q/q indicates a POSITIVE/negative quadratic trend; NA means linear and quadratic trends were not tested due to lack of at least 5 trend points with sufficient sample size to estimate the statistics and their standard errors.
(****) Standard error estimates cannot be accurately determined.
*****(****) Sample size is insufficient to permit a reliable estimate.

WEIGHTED PERCENTAGES AND AVERAGE SCALE SCORES (STANDARD ERRORS IN PARENTHESES)

WEIGHTED PERCENTAGES OF STUDENTS WITH AVERAGE SCALE SCORES AT OR ABOVE LEVEL 350

	1977	1982	1986	1990	1992	1994	1996
SUBJECT STUDIED BY RACE/ETHNICITY							
GEN SCI − WHITE	*****(****)	*****(****)	9.2(0.8)	10.7(0.6)	12.3(1.0)	12.2(1.1)	13.1(1.5)
GEN SCI − BLACK	*****(****)	*****(****)	1.3(0.8)	1.7(1.0)	1.1(****)	0.4(****)	0.7(****)
GEN SCI − HISPANIC	*****(****)	*****(****)	1.4(0.9)	2.1(****)	2.9(1.3)	1.6(0.9)	2.4(1.3)
BIOLOGY − WHITE	*****(****)	*****(****)	10.5(0.9)	12.4(0.7)	13.8(1.0)	14.3(1.1)	14.7(1.5)
BIOLOGY − BLACK	*****(****)	*****(****)	1.3(0.8)	1.9(1.0)	0.9(****)	0.6(0.4)	1.0(0.6)
BIOLOGY − HISPANIC	*****(****)	*****(****)	1.4(0.8)	2.2(****)	2.9(1.5)	2.0(0.9)	3.5(1.6)
CHEMISTRY − WHITE	*****(****)	*****(****)	19.0(1.7)	23.0(1.3)	21.8(1.3)	22.2(1.6)	21.7(2.5)
CHEMISTRY − BLACK	*****(****)	*****(****)	3.5(2.2)	3.7(1.9)	2.3(****)	0.7(0.4)	1.8(****)
CHEMISTRY − HISPANIC	*****(****)	*****(****)	3.4(2.0)	6.5(****)	5.7(3.0)	3.4(1.7)	6.7(3.2)
PHYSICS − WHITE	*****(****)	*****(****)	24.4(3.3)	24.3(2.4)	25.3(2.7)	28.4(3.9)	25.0(4.3)
PHYSICS − BLACK	*****(****)	*****(****)	0.0(****)	5.2(****)	*****(****)	0.2(****)	2.2(****)
PHYSICS − HISPANIC	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)	*****(****)
SUBJECT STUDIED BY GENDER							
GEN SCI − MALE	*****(****)	*****(****)	11.7(1.3)	13.1(1.0)	13.8(1.0)	13.4(1.4)	13.5(1.8)
GEN SCI − FEMALE	*****(****)	*****(****)	3.9(0.9)	5.1(0.6)	6.3(1.1)	5.9(0.7)	7.6(1.0)
BIOLOGY − MALE	*****(****)	*****(****)	12.9(1.4)	14.9(0.9)	15.1(1.2)	15.6(1.4)	15.8(1.6)
BIOLOGY − FEMALE	*****(****)	*****(****)	5.3(0.9)	6.2(0.6)	7.2(1.1)	7.1(0.7)	8.0(1.1)
CHEMISTRY − MALE	*****(****)	*****(****)	23.3(2.2)	27.6(1.7)	25.2(1.8)	24.8(2.1)	24.3(2.7)
CHEMISTRY − FEMALE	*****(****)	*****(****)	10.8(1.9)	12.0(1.2)	12.6(2.0)	11.7(1.1)	12.6(2.1)
PHYSICS − MALE	*****(****)	*****(****)	22.0(3.9)	25.0(3.2)	24.2(3.1)	27.1(4.5)	23.0(3.3)
PHYSICS − FEMALE	*****(****)	*****(****)	10.5(3.2)	13.1(2.4)	16.7(3.0)	16.8(3.8)	12.9(3.6)
DIFFERENCES							
WHITE − BLACK	9.5(0.5)	8.3(0.6)	8.7(1.1)	9.9(1.0)	12.0(1.4)	12.7(1.1)	13.0(1.5)
WHITE − HISPANIC	8.2(0.7)	7.2(1.1)	8.6(1.1)	9.2(1.8)	10.3(1.5)	11.7(1.3)	10.8(2.0)
MALE − FEMALE	6.5(0.7)	6.5(0.9)	6.8(1.5)	7.5(1.0)	7.0(1.4)	7.4(1.4)	6.8(1.8)

@ This value is signigicantly different From the value for 1996 at about the 95 percent certainty level.
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