



State Indicators of Science and Mathematics Education



Science and Mathematics Indicators
Master Database: 2004

#REF!

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	Instructions Back to TOC
--------------------	-------	--------------	--

Table B: Grades 7-8 Science Course Enrollment / SY 1989-90 to SY 2007-08

Please enter student science course enrollment by course category. When gender breakdown is unavailable, click on the "Only Total" checkbox, then enter into "Total" column. Refer to Appendix A for further information.

[Appendix A](#)

Grades 7-8 Only Total Only Total Only Total Only Total Only Total

Course ID	Science Course Categories	SY 1989-90			SY 1991-92			SY 1993-94			SY 1995-96			SY 1997-98		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
S01	General Science, 7-8	0			0			0			0			111,583		
S02	Life Science, 7-8	0			0			0			0			26,536		
S03	Earth Science, 7-8	0			0			0			0			23,158		
S04	Physical Science, 7-8	0			0			0			0			2,130		
S05	Integrated Science, 7-8	0	n.s.	n.s.	0			0			0			62,588		
S06	Other Science, 7-8	0			0			0			0			2,960		
G7-8 Science Total		0	0	0	0	0	0	0	0	0	0	0	0	228,955	0	0

Verified By Your Science Supervisor ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Made Any Revision In Codes ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Any Comments					

Grades 7-8 Only Total Only Total Only Total Only Total Only Total

Course ID	Science Course Categories	SY 1999-2000			SY 2001-02			SY 2003-04			SY 2005-06			SY 2007-08		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
S01	General Science, 7-8	0			91,713	46,446	45,267	91,289	45,707	45,582	0			0		
S02	Life Science, 7-8	0			20,452	10,567	9,885	21,523	11,189	10,334	0			0		
S03	Earth Science, 7-8	0			14,079	6,991	7,088	17,786	9,067	8,719	0			0		
S04	Physical Science, 7-8	0			23,153	11,655	11,498	25,321	12,919	12,402	0			0		
S05	Integrated Science, 7-8	0			47,742	24,400	23,342	48,293	24,628	23,665	0			0		
S06	Other Science, 7-8	0			8,564	4,375	4,189	7,037	3,647	3,390	0			0		
G7-8 Science Total		0	0	0	205,703	104,434	101,269	211,249	107,157	104,092	0	0	0	0	0	0

Verified By Your Science Supervisor ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Made Any Revision In Codes ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Any Comments					

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	Instructions Back to TOC
--------------------	-------	--------------	--

Table C: Grades 9-12 Biology & Chemistry Enrollment / SY 1989-90 to SY 2007-08

Please enter student course enrollment by course category. When gender breakdown is unavailable, click on the "Only Total" checkbox, then enter enrollment directly into the "Total" column. Refer to Appendix A for course category information.

[Appendix A](#)

Grades 9-12

Only Total
 Only Total
 Only Total
 Only Total
 Only Total

Course ID	Science Course Categories	SY 1989-90			SY 1991-92			SY 1993-94			SY 1995-96			SY 1997-98		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
S11	Biology, 1st Year	0			0			74,476			39,829			83,865		
S12	Biology, 1st Year, Applied	0			0								2,277			
S13	Biology, 2nd Year, AP	0			0								4,472			
S14	Biology, 2nd Year, Advanced	0			0			0					21,168			
S15	Biology, 2nd Year, Other	0			0								4,082			
Sub-Total		0	0	0	0	0	0	74,476	0	0	39,829	0	0	115,864	0	0
S21	Chemistry, 1st Year	0			0			43,022			20,919			49,028		
S22	Chemistry, 1st Year, Applied	0			0								7,854			
S23	Chemistry, 2nd Year, AP	0			0								2,637			
S24	Chemistry, 2nd Year, Advanced	0			0								4,914			
Sub-Total		0	0	0	0	0	0	43,022	0	0	20,919	0	0	64,433	0	0

Grades 9-12

Only Total
 Only Total
 Only Total
 Only Total
 Only Total

Course ID	Science Course Categories	SY 1999-2000			SY 2001-02			SY 2003-04			SY 2005-06			SY 2007-08		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
S11	Biology, 1st Year	0			84,564	42,648	41,916	80,270	39,875	40,395	0			0		
S12	Biology, 1st Year, Applied	0			24,038	12,707	11,331	21,742	11,410	10,332	0			0		
S13	Biology, 2nd Year, AP	0			4,123	1,634	2,489	4,286	1,695	2,591	0			0		
S14	Biology, 2nd Year, Advanced	0			27,431	11,766	15,665	18,779	7,306	11,473	0			0		
S15	Biology, 2nd Year, Other	0			5,333	2,484	2,849	3,845	1,663	2,182	0			0		
Sub-Total		0	0	0	145,489	71,239	74,250	128,922	61,949	66,973	0	0	0	0	0	0
S21	Chemistry, 1st Year	0			40,387	18,945	21,442	42,797	20,435	22,362	0			0		
S22	Chemistry, 1st Year, Applied	0			9,944	4,977	4,967	9,381	4,649	4,732	0			0		
S23	Chemistry, 2nd Year, AP	0			2,558	1,365	1,193	2,962	1,474	1,488	0			0		
S24	Chemistry, 2nd Year, Advanced	0			9,959	4,558	5,401	3,842	1,814	2,028	0			0		
Sub-Total		0	0	0	62,848	29,845	33,003	58,982	28,372	30,610	0	0	0	0	0	0

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	Instructions Back to TOC
--------------------	-------	--------------	--

Table D: Grades 9-12 Physics & Earth Science Enrollment / SY 1989-90 to SY 2007-08

Please enter student course enrollment by course category. When gender breakdown is unavailable, click on the "Only Total" checkbox, then enter enrollment directly into the "Total" column.

[Appendix A](#)

Grades 9-12 Only Total Only Total Only Total Only Total Only Total

Course ID	Science Course Categories	SY 1989-90			SY 1991-92			SY 1993-94			SY 1995-96			SY 1997-98		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
S31	Physics, 1st Year	0			0			19,879			10,219			23,646		
S32	Physics, 1st Year, Applied	0			0								3,087			
S33	Physics, 2nd Year, AP	0			0								1,565			
S34	Physics, 2nd Year, Advanced	0			0								1,454			
S35	Physics, 2nd Year, Other	0			0			n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	
Sub-Total		0	0	0	0	0	0	19,879	0	0	10,219	0	0	29,752	0	0
S41	Earth Science, 1st Year	0			0			16,953			15,095			26,401		
S42	Earth Science, 1st Year, Applied	0			0								2,946			
S43	Earth Science, 2nd Year, Adv/Other	0			0								4,424			
Sub-Total		0	0	0	0	0	0	16,953	0	0	15,095	0	0	33,771	0	0

Grades 9-12 Only Total Only Total Only Total Only Total Only Total

Course ID	Science Course Categories	SY 1999-2000			SY 2001-02			SY 2003-04			SY 2005-06			SY 2007-08		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
S31	Physics, 1st Year	0			19,733	10,601	9,132	21,276	11,512	9,764	0			0		
S32	Physics, 1st Year, Applied	0			4,037	2,296	1,741	3,275	1,886	1,389	0			0		
S33	Physics, 2nd Year, AP	0			1,744	1,123	621	1,785	1,124	661	0			0		
S34	Physics, 2nd Year, Advanced	0			2,966	1,544	1,422	1,478	901	577	0			0		
Sub-Total		0	0	0	28,480	15,564	12,916	27,814	15,423	12,391	0	0	0	0	0	0
S41	Earth Science, 1st Year	0			27,170	14,174	12,996	25,642	13,488	12,154	0			0		
S42	Earth Science, 1st Year, Applied	0			5,632	2,956	2,676	3,617	2,060	1,557	0			0		
S43	Earth Science, 2nd Year, Adv/Other	0			5,030	2,672	2,358	4,305	2,257	2,048	0			0		
Sub-Total		0	0	0	37,832	19,802	18,030	33,564	17,805	15,759	0	0	0	0	0	0

* (italic) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions Back to TOC
--------------------	-------	--------------	---	--

Table E: Grades 9-12 Other Science Enrollment / SY 1989-90 to SY 2007-08

Please enter student course enrollment by course category. When gender breakdown is unavailable, click on the "Only Total" checkbox, then enter enrollment directly into the "Total" column.

[Appendix A](#)

Grades 9-12 Only Total Only Total Only Total Only Total Only Total

Course ID	Science Course Categories	SY 1989-90			SY 1991-92			SY 1993-94			SY 1995-96			SY 1997-98		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
S51	General Science	0			0			30,256			15,610			22,001		
S52	Physical Science	0			0			30,524			20,539			38,864		
S53	Integrated Science	n.s.	n.s.	n.s.	0			3,285			2,587			36,391		
S54	Environmental Science	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	6,578			3,553			6,590		
S55	Technology (taught as science)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.				1,760		
S56	Other Science, 9-12	0			0			6,388			13,321			5,457		
Sub-Total		0	0	0	0	0	0	77,031	0	0	55,610	0	0	111,063	0	0
G 9-12 Science Total		0	0	0	0	0	0	231,361	0	0	141,672	0	0	354,883	0	0

Grades 9-12 Only Total Only Total Only Total Only Total Only Total

Course ID	Science Course Categories	SY 1999-2000			SY 2001-02			SY 2003-04			SY 2005-06			SY 2007-08		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
S51	General Science	0			12,630	6,913	5,717	10,831	6,003	4,828	0			0		
S52	Physical Science	0			23,464	12,034	11,430	24,548	12,642	11,906	0			0		
S53	Integrated Science	0			18,950	9,693	9,257	18,556	9,561	8,995	0			0		
S54	Environmental Science	0			6,512	3,561	2,951	6,924	3,719	3,205	0			0		
S55	Technology (taught as science)	0			1,471	924	547	3,229	1,945	1,284	0			0		
S56	Other Science, 9-12	0			18,608	9,790	8,818	19,440	10,009	9,431	0			0		
Sub-Total		0	0	0	81,635	42,915	38,720	83,528	43,879	39,649	0	0	0	0	0	0
G 9-12 Science Total		0	0	0	356,284	179,365	176,919	332,810	167,428	165,382	0	0	0	0	0	0

* (italic) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	Instructions Back to TOC
--------------------	-------	--------------	--

Table F: Grades 7-8 Mathematics Course Enrollment / SY 1989-90 to SY 2007-08

Please enter student mathematics course enrollment by course category. When gender breakdown is unavailable, click on the "Only Total" checkbox, then enter enrollment directly into the "Total" column.

[Appendix B](#)

Grades 7-8

Only Total
 Only Total
 Only Total
 Only Total
 Only Total

Course ID	Math Course Categories	SY 1989-90			SY 1991-92			SY 1993-94			SY 1995-96			SY 1997-98		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
M71	Remedial Math, Grade 7	n.s.	n.s.	n.s.	0			0			0			5,115		
M72	Math, Grade 7, Regular	0			0			0			0			91,516		
M73	Math, Grade 7, Acc. (or Pre-Alg.)	0			0			0			0			25,084		
M81	Remedial Math, Grade 8	n.s.	n.s.	n.s.	0			0			0			5,195		
M82	Math, Grade 8, Regular	0			0			0			0			61,416		
M83	Math, Grade 8 Acc. (or Pre-Alg.)	0			0			0			0			22,740		
M84	Math, Grade 8, Algebra 1	0			0			0			0			32,102		
G7-8 Math Total		0	0	0	0	0	0	0	0	0	0	0	0	243,168	0	0

Grades 7-8

Only Total
 Only Total
 Only Total
 Only Total
 Only Total

Course ID	Math Course Categories	1999-2000			SY 2001-02			SY 2003-04			SY 2005-06			SY 2007-08		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
M71	Remedial Math, Grade 7	0			11,132	6,104	5,028	11,471	6,353	5,118	0			0		
M72	Math, Grade 7, Regular	0			73,165	37,332	35,833	65,572	33,080	32,492	0			0		
M73	Math, Grade 7, Acc. (or Pre-Alg.)	0			17,755	8,851	8,904	16,090	8,040	8,050	0			0		
M81	Remedial Math, Grade 8	0			3,548	2,088	1,460	4,790	2,683	2,107	0			0		
M82	Math, Grade 8, Regular	0			53,043	27,141	25,902	50,949	25,734	25,215	0			0		
M83	Math, Grade 8 Acc. (or Pre-Alg.)	0			14,997	7,469	7,528	10,815	6,933	3,882	0			0		
M84	Math, Grade 8, Algebra 1	0			18,017	8,822	9,195	18,419	9,171	9,248	0			0		
M85	Integrated Middle Grades Math, Grade 7-8	0			0			3,300	1,666	1,634	0			0		
G7-8 Math Total		0	0	0	191,657	97,807	93,850	181,406	93,660	87,746	0	0	0	0	0	0

* (italic) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions Back to TOC
--------------------	-------	--------------	---	--

Table G: Grades 9-12 Review and Informal Mathematics Enrollment / SY 1989-90 to SY 2007-08

Please enter student course enrollment by course category. When gender breakdown is unavailable, click on the "Only Total" checkbox, then enter enrollment directly into the "Total" column.

[Appendix B](#)

Grades 9-12

Only Total Only Total Only Total Only Total Only Total

Course ID	Math Course Categories	SY 1989-90			SY 1991-92			SY 1993-94			SY 1995-96			SY 1997-98			
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	
Review Mathematics																	
MR1	Level 1 (e.g., General, Remedial)	0			0			18,358						8,774			
MR2	Level 2 (e.g., Consumer, Vocat.)	0			0									7,769			
MR3	Level 3 (e.g., General Math 3)	0			0									1,069			
MR4	Level 4 (e.g., General Math 4)	0			0									3,449			
Sub-Total		0	0	0	0	0	0	18,358	0	0	0	0	0	21,061	0	0	
Informal Mathematics																	
MI1	Level 1 (e.g., Pre-Alg., App. Math 1)	0			0			35,419				32,982			38,734		
MI2	Level 2 (e.g., Basic Geom., App. Math 2)	0			0									23,724			
MI3	Level 3 (e.g., Applied Math 3)	0			0									2,567			
Sub-Total		0	0	0	0	0	0	35,419	0	0	0	32,982	0	0	65,025	0	0

Grades 9-12

Only Total Only Total Only Total Only Total Only Total

Course ID	Math Course Categories	SY 1999-2000			SY 2001-02			SY 2003-04			SY 2005-06			SY 2007-08		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Review Mathematics																
MR1	Level 1 (e.g., General, Remedial)	0			13,931	7,877	6,054	9,454	5,640	3,814	0			0		
MR2	Level 2 (e.g., Consumer, Vocat.)	0			10,813	6,451	4,362	9,060	5,595	3,465	0			0		
MR3	Level 3 (e.g., General Math 3)	0			2,194	1,308	886	2,116	1,184	932	0			0		
MR4	Level 4 (e.g., General Math 4)	0			5,325	2,906	2,419	1,759	972	787	0			0		
Sub-Total		0	0	0	32,263	18,542	13,721	22,389	13,391	8,998	0	0	0	0	0	0
Informal Mathematics																
MI1	Level 1 (e.g., Pre-Alg., App. Math 1)	0			33,815	18,249	15,566	32,434	17,439	14,995	0			0		
MI2	Level 2 (e.g., Basic Geom., App. Math 2)	0			29,985	15,382	14,603	24,971	12,716	12,255	0			0		
MI3	Level 3 (e.g., Applied Math 3)	0			10,092	5,263	4,829	8,969	4,780	4,189	0			0		
Sub-Total		0	0	0	73,892	38,894	34,998	66,374	34,935	31,439	0	0	0	0	0	0

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions Back to TOC
--------------------	-------	--------------	---	--

Table H(1): Grades 9-12 Formal Mathematics Enrollment / SY 1989-90 to SY 1997-98

[Appendix B](#)

Grades 9-12

Only Total
 Only Total
 Only Total
 Only Total
 Only Total

Course ID	Math Course Categories	SY 1989-90			SY 1991-92			SY 1993-94			SY 1995-96			SY 1997-98		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Formal Mathematics																
MF1	Level 1 (e.g., Alg. 1, Int. Math 1)	0			0			75,371	0	0	0	0	0	90,371	0	0
MF1.1	Level 1: Algebra 1, Algebra 1(B)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	75,371						90371		
MF1.2	Level 1: Integrated Math 1	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.				0					
MF2	Level 2 (e.g., Geom, Int. Math 2)	0			0			64,780	0	0	0	0	0	78,504	0	0
MF2.1	Level 2: Geometry	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	61,316						78504		
MF2.2	Level 2: Integrated Math 2	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	3,464			0					
MF3	Level 3 (e.g., Alg. 2, Int. Math 3)	0			0			45,320	0	0	0	0	0	61,643	0	0
MF3.1	Level 3: Algebra 2	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	45,320						61643		
MF3.2	Level 3: Integrated Math 3	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.				0					
MF4	Level 4 (e.g., Trigo., Pre-Cal.)	0			0			19,449						41337		
MF5.1	Level 5 (e.g., Calculus)	0			0			5,748						6965		
MF5.2	Level 5 AP (e.g., AP Calculus)	0			0						0			5189		
MF9	Other Mathematics, 9-12	0			0						0					
Sub-Total		0	0	0	0	0	0	210,668	0	0	0	0	0	284,009	0	0
G9-12 Math. Total		0	0	0	0	0	0	264,445	0	0	32,982	0	0	370,095	0	0

Verified By Your Mathematics Supervisor ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Made Any Revision In Codes ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions Back to TOC
--------------------	-------	--------------	---	--

Table H(2): Grades 9-12 Formal Mathematics Enrollment / SY 1999-00 to SY 2007-08

Please enter student course enrollment by course category. When gender breakdown is unavailable, click on the "Only Total" checkbox, then enter enrollment directly into the "Total" column.

[Appendix B](#)

Grades 9-12

Only Total

Only Total

Only Total

Only Total

Only Total

Course ID	Math Course Categories	SY 1999-2000			SY 2001-02			SY 2003-04			SY 2005-06			SY 2007-08		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Formal Mathematics																
MF1	Formal Math Level 1 (sum: Algebra 1 + Integ. Math 1)	0	0	0	77,233	39,052	38,181	81,159	40,995	40,164	0	0	0	0	0	0
MF1.1	Algebra 1, Algebra 1(B)	0			77,233	39,052	38,181	80,008	40,374	39,634	0			0		
MF1.2	Integrated Math 1	0			0			1,151	621	530	0			0		
MF2	Formal Math Level 2 (sum: Geometry + Integ. Math 2)	0	0	0	69,782	34,023	35,759	60,339	29,144	31,195	0	0	0	0	0	0
MF2.1	Geometry	0			69,782	34,023	35,759	59,730	28,820	30,910	0			0		
MF2.2	Integrated Math 2	0			0			609	324	285	0			0		
MF3	Formal Math Level 3 (sum: Algebra 2 + Integ. Math 3)	0	0	0	63,734	30,711	33,023	57,894	27,887	30,007	0	0	0	0	0	0
MF3.1	Algebra 2	0			63,734	30,711	33,023	57,503	27,686	29,817	0			0		
MF3.2	Integrated Math 3	0			0			391	201	190	0			0		
MF4	Formal Math Level 4 (e.g., Trigonometry, Pre-Calculus)	0			45,824	21,843	23,981	47,358	22,664	24,694	0			0		
MF5.1	Formal Math Level 5 (e.g., Calculus)	0			11,317	5,271	6,046	7,068	3,518	3,550	0			0		
MF5.2	AP Math Level 5 (e.g., Calculus, Statistics)	0			6,917	3,690	3,227	8,183	4,280	3,903	0			0		
MF9	Other Mathematics, 9-12	0			0			0			0			0		
Sub-Total		0	0	0	274,807	134,590	140,217	262,001	128,488	133,513	0	0	0	0	0	0
G9-12 Math. Total		0	0	0	380,962	192,026	188,936	350,764	176,814	173,950	0	0	0	0	0	0

Verified By Your Mathematics Supervisor ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Made Any Revision In Codes ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	Back to TOC
--------------------	-------	--------------	-----------------------------

Table I: Computer Science Enrollment / SY 1989-90 to SY 1999-00

Grades 7-8 and 9-12

Only Total
 Only Total
 Only Total
 Only Total
 Only Total

Course ID	Computer Science Course Categories	SY 1989-90			SY 1991-92			SY 1993-94			SY 1995-96			SY 1997-98		
		Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
C11	G. 7-8 Comp. Sci. / Com. Programming	0			0						0			26,046		
C21	G. 9-12 Comp. Sci. / Com. Programming I	0			0			37,751			0			24,192		
C22	G. 9-12 Advanced Comp. Sci. / Programming II	0			0						0			4,172		
C23	G. 9-12 Comp. Sci., AP	0			0						0			1,066		
G 7-12 Total		0	0	0	0	0	0	37,751	0	0	0	0	0	55,476	0	0

Verified By Your Comp. Science Supervisor ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Made Any Revision In Codes ?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Only Total

Course ID	Computer Science Course Categories	SY 1999-2000						
		Total	Boys	Girls				
C11	G. 7-8 Comp. Sci. / Com. Programming	0			n. s.			
C21	G. 9-12 Comp. Sci. / Com. Programming I	0						
C22	G. 9-12 Advanced Comp. Sci. / Programming II	0						
C23	G. 9-12 Comp. Sci., AP	0						
G 7-12 Total		0	0	0				

Verified By Your Comp. Science Supervisor ?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Made Any Revision In Codes ?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Notes:

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	Instructions Back to TOC
--------------------	-------	--------------	--

Table J(1): Selected Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 1991-92

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 1991-92										
		D. By Grade					E. By Race/Ethnicity					
		Total	Grade 9	Grade 10	Grade 11	Grade12	Total	Hispanic	White	Black	Asian	American Indian
S11	Biology, 1st Year	0					n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S12	Biology, 1st Year, Applied	0					n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S21	Chemistry, 1st Year	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S31	Physics, 1st Year	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S53	Integrated Science	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
Total		0	0	0	0	0	0	0	0	0	0	0

Grades 9-12 Formal Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade					E. By Race/Ethnicity					
		Total	Grade 9	Grade 10	Grade 11	Grade12	Total	Hispanic	White	Black	Asian	American Indian
MF1	Level 1 (e.g., Algebra 1, Integ. Math 1)	0					n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
MF1.1	Level 1: Algebra 1, Algebra 1(B)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
MF1.2	Level 1: Integrated Math 1	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
MF2	Level 2 (e.g., Geo., Integ. Math 2)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
MF3	Level 3 (e.g., Alg.2, Integ. Math 3)	0					n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
MF4	Level 4 (e.g., Trig., Pre-Cal.)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
MF5	Level 5 (e.g., Cal. or AP Cal.)	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
Total		0	0	0	0	0	0	0	0	0	0	0

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(2): Selected Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 1993-94

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 1993-94												
		D. By Grade					E. By Race/Ethnicity							
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian		
S11	Biology, 1st Year	0					0							
S12	Biology, 1st Year, Applied	0					n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
S21	Chemistry, 1st Year	n.s.	n.s.	n.s.	n.s.	n.s.	0							
S31	Physics, 1st Year	n.s.	n.s.	n.s.	n.s.	n.s.	0							
S53	Integrated Science	0					n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.	n.s.
Total		0	0	0	0	0	0	0	0	0	0	0	0	0

Grades 9-12 Formal Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian	
		MF1	Level 1 (e.g., Algebra 1, Integ. Math 1)	0	0	0	0	0	0	0	0	0	0
MF1.1	Level 1: Algebra 1, Algebra 1(B)	0					0						
MF1.2	Level 1: Integrated Math 1	0					0						
MF2	Level 2 (e.g., Geo., Integ. Math 2)	0					0						
MF3	Level 3 (e.g., Alg.2, Integ. Math 3)	0					0						
MF4	Level 4 (e.g., Trig., Pre-Cal.)	n.s.	n.s.	n.s.	n.s.	n.s.	0						
MF5	Level 5 (e.g., Cal. or AP Cal.)	n.s.	n.s.	n.s.	n.s.	n.s.	0						
Total		0	0	0	0	0	0	0	0	0	0	0	0

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(3): Selected Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 1995-96

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 1995-96												
		D. By Grade					E. By Race/Ethnicity							
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian		
S11	Biology, 1st Year	0					0							
S12	Biology, 1st Year, Applied	0					0							
S21	Chemistry, 1st Year	0					0							
S31	Physics, 1st Year	0					0							
S53	Integrated Science	0					0							
Total		0	0	0	0	0	0	0	0	0	0	0	0	0

Grades 9-12 Formal Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	SY 1995-96												
		D. By Grade					E. By Race/Ethnicity							
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian		
MF1	Level 1 (e.g., Algebra 1, Integ. Math 1)	0	0	0	0	0	0	0	0	0	0	0	0	0
MF1.1	Level 1: Algebra 1, Algebra 1(B)	0					0							
MF1.2	Level 1: Integrated Math 1	0					0							
MF2	Level 2 (e.g., Geo., Integ. Math 2)	0					0							
MF3	Level 3 (e.g., Alg.2, Integ. Math 3)	0					0							
MF4	Level 4 (e.g., Trig., Pre-Cal.)	0					0							
MF5	Level 5 (e.g., Cal. or AP Cal.)	n.s.	n.s.	n.s.	n.s.	n.s.	0							
Total		0	0	0	0	0	0	0	0	0	0	0	0	0

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(4): Selected Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 1997-98

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 1997-98												
		D. By Grade					E. By Race/Ethnicity							
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian		
S11	Biology, 1st Year	0					0							
S12	Biology, 1st Year, Applied	0					0							
S21	Chemistry, 1st Year	0					0							
S31	Physics, 1st Year	0					0							
S53	Integrated Science	0					0							
Total		0	0	0	0	0	0	0	0	0	0	0	0	0

Grades 9-12 Formal Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	SY 1997-98												
		D. By Grade					E. By Race/Ethnicity							
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian		
MF1	Level 1 (e.g., Algebra 1, Integ. Math 1)	0	0	0	0	0	0	0	0	0	0	0	0	0
MF1.1	Level 1: Algebra 1, Algebra 1(B)	0					0							
MF1.2	Level 1: Integrated Math 1	0					0							
MF2	Level 2 (e.g., Geo., Integ. Math 2)	0					0							
MF3	Level 3 (e.g., Alg.2, Integ. Math 3)	0					0							
MF4	Level 4 (e.g., Trig., Pre-Cal.)	0					0							
MF5	Level 5 (e.g., Cal. or AP Cal.)	n.s.	n.s.	n.s.	n.s.	n.s.	0							
Total		0	0	0	0	0	0	0	0	0	0	0	0	0

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(5): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 1999-00

Grades 7-8 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 1999-2000									
		D. By Grade			E. By Race/Ethnicity						
		Total	Grade 7	Grade 8	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
S01	General Science, 7-8	0			0						
S02	Life Science, 7-8	0			0						
S03	Earth Science, 7-8	0			0						
S04	Physical Science, 7-8	0			0						
S05	Integrated Science, 7-8	0			0						
S06	Other Science, 7-8	0			0						

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 1999-2000										
		D. By Grade				E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian
S11	Biology, 1st Year	0					0					
S12	Biology, 1st Year, Applied	0					0					
S13	Biology, 2nd Year, AP	0					0					
S14	Biology, 2nd Year, Advanced	0					0					
S15	Biology, 2nd Year, Other	0					0					
S21	Chemistry, 1st Year	0					0					
S22	Chemistry, 1st Year, Applied	0					0					
S23	Chemistry, 2nd Year, AP	0					0					
S24	Chemistry, 2nd Year, Advanced	0					0					

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(5): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 1999-00

Continued 1

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 1999-2000												
		D. By Grade					E. By Race/Ethnicity							
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported	
S31	Physics, 1st Year	0					0							
S32	Physics, 1st Year, Applied	0					0							
S33	Physics, 2nd Year, AP	0					0							
S34	Physics, 2nd Year, Advanced	0					0							
S41	Earth Science, 1st Year	0					0							
S42	Earth Science, 1st Year, Applied	0					0							
S43	Earth Science, 2nd Year, Adv/Other	0					0							
S51	General Science	0					0							
S52	Physical Science	0					0							
S53	Integrated Science	0					0							
S54	Environmental Science	0					0							
S55	Technology (taught as science)	0					0							
S56	Other Science, 9-12	0					0							

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(5): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 1999-00 **Continued 2**

Grades 7-8 Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade			E. By Race/Ethnicity							
		Total	Grade 7	Grade 8	Total	Hispanic	White	Black	Asian	American Indian	Not Reported	
M71	Remedial Math, Grade 7	0			0							
M72	Math, Grade 7, Regular	0			0							
M73	Math, Grade 7, Acc. (or Pre-Alg.)	0			0							
M81	Remedial Math, Grade 8	0			0							
M82	Math, Grade 8, Regular	0			0							
M83	Math, Grade 8 Acc. (or Pre-Alg.)	0			0							
M84	Math, Grade 8, Algebra 1	0			0							
M85	Integrated Middle Grades Math, Grade 7-8	0			0							

Grades 9-12 Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
Review Mathematics													
MR1	Level 1 (e.g., General, Remedial)	0					0						
MR2	Level 2 (e.g., Consumer, Vocat.)	0					0						
MR3	Level 3 (e.g., General Math 3)	0					0						
MR4	Level 4 (e.g., General Math 4)	0					0						
Informal Mathematics													
MI1	Level 1 (e.g., Pre-Alg., App. Math 1)	0					0						
MI2	Level 2 (e.g., Basic Geom., App. Math 2)	0					0						
MI3	Level 3 (e.g., Applied Math 3)	0					0						

* (italic) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
Table J(5): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 1999-00				Continued 3	

Grades 9-12 Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade					E. By Race/Ethnicity							
		Total	Grade 9	Grade 10	Grade 11	Grade12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported	
	Formal Mathematics													
MF1	Level 1 (e.g., Algebra 1, Integ. Math 1)	0	0	0	0	0	0	0	0	0	0	0	0	0
MF1.1	Level 1: Algebra 1, Algebra 1(B)	0					0							
MF1.2	Level 1: Integrated Math 1	0					0							
MF2	Level 2 (e.g., Geo., Integ. Math 2)	0	0	0	0	0	0	0	0	0	0	0	0	0
MF2.1	Level 2: Geometry	0					0							
MF2.2	Level 2: Integrated Math 2	0					0							
MF3	Level 3 (e.g., Alg.2, Integ. Math 3)	0	0	0	0	0	0	0	0	0	0	0	0	0
MF3.1	Level 3: Algebra 2	0					0							
MF3.2	Level 3: Integrated Math 3	0					0							
MF4	Level 4 (e.g., Trig., Pre-Cal.)	0					0							
MF5.1	Level 5 (e.g., Calculus)	0					0							
MF5.2	Level 5 AP (e.g., AP Calculus, AP Statistics)	0					0							
MF9	Other Mathematics, 9-12	0					0							

* (italic) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(6): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 2001-02

Grades 7-8 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 2001-02									
		D. By Grade			E. By Race/Ethnicity						
		Total	Grade 7	Grade 8	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
S01	General Science, 7-8	91,713	50,433	41,280	91,713	3,432	55,126	30,344	1,703	1,044	64
S02	Life Science, 7-8	20,452	17,398	3,054	20,452	521	16,654	2,161	533	556	27
S03	Earth Science, 7-8	14,079	3,302	10,777	14,079	641	12,263	749	242	147	37
S04	Physical Science, 7-8	23,153	6,447	16,706	23,153	757	19,201	1,976	629	538	52
S05	Integrated Science, 7-8	47,742	23,739	24,003	47,742	1,160	40,688	4,480	821	558	35
S06	Other Science, 7-8	8,564	3,748	4,816	8,564	259	6,634	1,396	203	63	9

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 2001-02											
		D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
S11	Biology, 1st Year	84,564	31,022	46,197	5,523	1,822	84,564	2,107	62,123	17,344	1,746	1,061	183
S12	Biology, 1st Year, Applied	24,038	9,315	10,765	2,760	1,198	24,038	884	19,379	2,988	424	330	33
S13	Biology, 2nd Year, AP	4,123	145	582	1,220	2,176	4,123	43	3,557	245	237	37	4
S14	Biology, 2nd Year, Advanced	27,431	3,128	9,211	8,754	6,338	27,431	692	14,516	11,539	478	185	21
S15	Biology, 2nd Year, Other	5,333	201	986	2,077	2,069	5,333	243	4,731	209	79	64	7
S21	Chemistry, 1st Year	40,387	1,446	11,244	23,545	4,152	40,387	724	31,043	7,104	1,084	388	44
S22	Chemistry, 1st Year, Applied	9,944	612	2,218	5,916	1,198	9,944	132	7,588	1,949	175	95	5
S23	Chemistry, 2nd Year, AP	2,558	8	132	1,102	1,316	2,558	16	2,113	200	210	18	1
S24	Chemistry, 2nd Year, Advanced	9,959	157	1,319	5,080	3,403	9,959	307	3,714	5,601	271	61	5

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(6): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 2001-02

Continued 1

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 2001-02											
		D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
S31	Physics, 1st Year	19,733	1,814	1,976	5,580	10,363	19,733	367	16,014	2,476	669	197	10
S32	Physics, 1st Year, Applied	4,037	543	436	1,155	1,903	4,037	70	3,591	237	85	46	8
S33	Physics, 2nd Year, AP	1,744	2	10	303	1,429	1,744	11	1,359	182	186	6	0
S34	Physics, 2nd Year, Advanced	2,966	24	224	714	2,004	2,966	91	1,282	1,424	155	14	0
S41	Earth Science, 1st Year	27,170	15,023	5,228	4,298	2,621	27,170	794	18,977	6,732	461	197	9
S42	Earth Science, 1st Year, Applied	5,632	3,681	857	788	306	5,632	278	4,295	908	105	45	1
S43	Earth Science, 2nd Year, Adv/Other	5,030	1,292	988	1,344	1,406	5,030	324	3,930	599	117	57	3
S51	General Science	12,630	8,211	2,689	986	744	12,630	303	10,813	996	216	276	26
S52	Physical Science	23,464	14,451	6,335	2,025	653	23,464	571	20,381	1,882	290	322	18
S53	Integrated Science	18,950	12,286	5,053	1,180	431	18,950	552	15,546	1,906	273	664	9
S54	Environmental Science	6,512	868	1,118	2,394	2,132	6,512	96	5,723	501	98	85	9
S55	Technology (taught as science)	1,471	563	296	212	400	1,471	23	1,216	190	34	7	1
S56	Other Science, 9-12	18,608	12,879	2,091	1,847	1,791	18,608	588	5,258	12,409	248	98	7

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(6): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 2001-02 **Continued 2**

Grades 7-8 Mathematics Only Total Only Total

Course ID	Mathematics Course Categories	D. By Grade			E. By Race/Ethnicity						
		Total	Grade 7	Grade 8	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
M71	Remedial Math, Grade 7	11,132	7,419	3,713	11,132	322	6,737	3,462	364	203	44
M72	Math, Grade 7, Regular	73,165	71,312	1,853	73,165	2,619	57,865	10,081	1,300	1,225	75
M73	Math, Grade 7, Acc. (or Pre-Alg.)	17,755	15,763	1,992	17,755	380	15,074	1,619	544	122	16
M81	Remedial Math, Grade 8	3,548	408	3,140	3,548	123	3,087	185	30	118	5
M82	Math, Grade 8, Regular	53,043	979	52,064	53,043	2,104	42,466	6,929	812	705	27
M83	Math, Grade 8 Acc. (or Pre-Alg.)	14,997	1,284	13,713	14,997	417	12,160	1,873	383	130	34
M84	Math, Grade 8, Algebra 1	18,017	1,379	16,638	18,017	341	15,851	1,038	531	228	28
M85	Integrated Middle Grades Math, Grade 7-8	0			0						

Grades 9-12 Mathematics Only Total Only Total

Course ID	Mathematics Course Categories	D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
Review Mathematics													
MR1	Level 1 (e.g., General, Remedial)	13,931	7,189	3,461	1,902	1,379	13,931	378	8,036	5,039	114	212	152
MR2	Level 2 (e.g., Consumer, Vocat.)	10,813	3,981	2,668	2,054	2,110	10,813	306	7,095	3,141	118	145	8
MR3	Level 3 (e.g., General Math 3)	2,194	995	494	505	200	2,194	111	1,734	294	18	36	1
MR4	Level 4 (e.g., General Math 4)	5,325	3,920	703	336	366	5,325	277	2,110	2,753	119	64	2
Informal Mathematics													
MI1	Level 1 (e.g., Pre-Alg., App. Math 1)	33,815	21,140	9,150	2,603	922	33,815	1,526	25,885	5,505	362	508	29
MI2	Level 2 (e.g., Basic Geom., App. Math 2)	29,985	6,138	15,027	6,804	2,016	29,985	1,203	15,663	12,355	474	246	44
MI3	Level 3 (e.g., Applied Math 3)	10,092	1,913	2,588	2,659	2,932	10,092	369	7,308	1,893	111	407	4

* (italic) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
Table J(6): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 2001-02				Continued 3	

Grades 9-12 Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
Formal Mathematics													
MF1	Level 1 (e.g., Algebra 1, Integ. Math 1)	77,233	52,582	15,438	6,677	2,536	77,233	2,417	54,903	17,854	1,194	820	45
MF1.1	Level 1: Algebra 1, Algebra 1(B)	77,233	52,582	15,438	6,677	2,536	77,233	2,417	54,903	17,854	1,194	820	45
MF1.2	Level 1: Integrated Math 1	0					0						
MF2	Level 2 (e.g., Geo., Integ. Math 2)	69,782	18,919	36,907	10,745	3,211	69,782	1,701	53,505	12,242	1,500	801	33
MF2.1	Level 2: Geometry	69,782	18,919	36,907	10,745	3,211	69,782	1,701	53,505	12,242	1,500	801	33
MF2.2	Level 2: Integrated Math 2	0					0						
MF3	Level 3 (e.g., Alg.2, Integ. Math 3)	63,734	14,424	18,976	24,310	6,024	63,734	1,279	46,490	13,775	1,498	651	41
MF3.1	Level 3: Algebra 2	63,734	14,424	18,976	24,310	6,024	63,734	1,279	46,490	13,775	1,498	651	41
MF3.2	Level 3: Integrated Math 3	0					0						
MF4	Level 4 (e.g., Trig., Pre-Cal.)	45,824	1,296	5,914	21,093	17,521	45,824	765	31,487	11,939	1,242	370	21
MF5.1	Level 5 (e.g., Calculus)	11,317	185	1,219	4,905	5,008	11,317	290	4,993	5,628	308	90	8
MF5.2	Level 5 AP (e.g., AP Calculus, AP Statistics)	6,917	29	192	921	5,775	6,917	59	6,059	266	491	36	6
MF9	Other Mathematics, 9-12	0					0						

* (italic) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(7): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 2003-04

Grades 7-8 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 2003-04									
		D. By Grade			E. By Race/Ethnicity						
		Total	Grade 7	Grade 8	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
S01	General Science, 7-8	88,775	47,055	41,720	3,816	3,816					
S02	Life Science, 7-8	18,914	15,259	3,655	0						
S03	Earth Science, 7-8	14,261	3,938	10,323	0						
S04	Physical Science, 7-8	20,185	4,834	15,351	0						
S05	Integrated Science, 7-8	45,200	21,624	23,576	0						
S06	Other Science, 7-8	6,383	3,055	3,328	0						

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 2003-04											
		D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
S11	Biology, 1st Year	80,202	29,415	43,118	5,809	1,860	0						
S12	Biology, 1st Year, Applied	21,434	7,487	9,587	2,903	1,457	0						
S13	Biology, 2nd Year, AP	4,285	137	522	1,302	2,324	0						
S14	Biology, 2nd Year, Advanced	18,679	928	3,218	7,775	6,758	0						
S15	Biology, 2nd Year, Other	3,844	219	544	1,475	1,606	0						
S21	Chemistry, 1st Year	43,725	1,357	13,550	23,741	5,077	0						
S22	Chemistry, 1st Year, Applied	9,381	423	2,436	5,251	1,271	0						
S23	Chemistry, 2nd Year, AP	2,962	2	77	1,337	1,546	0						
S24	Chemistry, 2nd Year, Advanced	3,840	160	595	1,532	1,553	0						

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
Table J(7): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 2003-04					Continued 1

Grades 9-12 Science

Only Total

Only Total

Course ID	Science Course Categories	SY 2003-04											
		D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
S31	Physics, 1st Year	20,860	2,269	2,238	5,880	10,473	0						
S32	Physics, 1st Year, Applied	3,264	360	340	987	1,577	0						
S33	Physics, 2nd Year, AP	1,785		8	265	1,512	0						
S34	Physics, 2nd Year, Advanced	1,478	8	126	483	861	0						
S41	Earth Science, 1st Year	25,631	14,241	4,707	4,402	2,281	0						
S42	Earth Science, 1st Year, Applied	3,612	2,296	552	464	300	0						
S43	Earth Science, 2nd Year, Adv/Other	4,305	863	626	1,361	1,455	0						
S51	General Science	10,250	6,670	2,262	823	495	0						
S52	Physical Science	24,481	15,052	6,252	2,259	918	0						
S53	Integrated Science	18,541	11,343	5,278	1,345	575	0						
S54	Environmental Science	6,746	732	1,324	2,408	2,282	0						
S55	Technology (taught as science)	2,069	503	628	456	482	0						
S56	Other Science, 9-12	18,395	12,545	2,116	1,947	1,787	0						

* (*italic*) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
--------------------	-------	--------------	---	------------------------------	-----------------------------

Table J(7): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 2003-04 **Continued 2**

Grades 7-8 Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade			E. By Race/Ethnicity						
		Total	Grade 7	Grade 8	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
M71	Remedial Math, Grade 7	8,289	6,126	2,163	11,471	1,062	8,335	1,513	363	103	95
M72	Math, Grade 7, Regular	65,287	62,601	2,686	65,572	2,529	52,954	8,190	1,092	725	82
M73	Math, Grade 7, Acc. (or Pre-Alg.)	15,815	14,086	1,729	16,090	284	13,560	1,544	629	65	8
M81	Remedial Math, Grade 8	4,636	505	4,131	4,790	350	3,482	817	50	70	21
M82	Math, Grade 8, Regular	49,717	1,324	48,393	50,949	1,731	41,456	6,425	710	587	40
M83	Math, Grade 8 Acc. (or Pre-Alg.)	13,652	1,023	12,629	13,815	267	11,687	1,435	286	131	9
M84	Math, Grade 8, Algebra 1	16,677	926	15,751	18,419	378	16,209	967	768	75	22
M85	Integrated Middle Grades Math, Grade 7-8	2,987	1,643	1,344	3,300	82	3,047	73	30	67	1

Grades 9-12 Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
Review Mathematics													
MR1	Level 1 (e.g., General, Remedial)	8,889	5,019	2,056	1,088	726	9,454	378	6,532	2,231	105	197	11
MR2	Level 2 (e.g., Consumer, Vocat.)	9,007	3,070	2,417	1,691	1,829	9,060	238	5,244	3,374	76	106	22
MR3	Level 3 (e.g., General Math 3)	2,115	746	442	679	248	2,116	63	1,581	420	13	37	2
MR4	Level 4 (e.g., General Math 4)	1,759	725	290	303	441	1,759	50	1,223	442	6	35	3
Informal Mathematics													
MI1	Level 1 (e.g., Pre-Alg., App. Math 1)	31,330	19,793	8,101	2,472	964	32,434	1,072	24,478	6,090	340	415	39
MI2	Level 2 (e.g., Basic Geom., App. Math 2)	24,862	5,839	12,741	4,743	1,539	24,971	938	11,911	11,629	287	189	17
MI3	Level 3 (e.g., Applied Math 3)	8,966	1,466	2,262	2,953	2,285	8,969	281	7,505	841	168	135	39

* (italic) = adjusted data, n.s. = not on survey

Indicator 1: Secondary Course Enrollments in Science, Mathematics, and Computer Science

State/Jurisdiction	#REF!	Table Status	▼	Instructions	Back to TOC
Table J(7): Mathematics and Science Course Enrollment by Grade & Race/Ethnicity / SY 2003-04				Continued 3	

Grades 9-12 Mathematics

Only Total

Only Total

Course ID	Mathematics Course Categories	D. By Grade					E. By Race/Ethnicity						
		Total	Grade 9	Grade 10	Grade 11	Grade 12	Total	Hispanic	White	Black	Asian	American Indian	Not Reported
Formal Mathematics													
MF1	Level 1 (e.g., Algebra 1, Integ. Math 1)	79,548	54,057	16,251	6,704	2,536	81,159	3,087	55,807	20,012	1,348	810	95
MF1.1	Level 1: Algebra 1, Algebra 1(B)	78,446	53,023	16,194	6,696	2,533	80,008	3,060	54,759	19,960	1,336	798	95
MF1.2	Level 1: Integrated Math 1	1,102	1,034	57	8	3	1,151	27	1,048	52	12	12	
MF2	Level 2 (e.g., Geo., Integ. Math 2)	60,758	16,939	30,976	9,952	2,891	61,339	1,640	51,625	5,934	1,564	525	51
MF2.1	Level 2: Geometry	60,204	16,773	30,638	9,912	2,881	60,730	1,625	51,071	5,905	1,555	523	51
MF2.2	Level 2: Integrated Math 2	554	166	338	40	10	609	15	554	29	9	2	
MF3	Level 3 (e.g., Alg.2, Integ. Math 3)	57,741	5,612	19,250	25,531	7,348	57,894	1,542	48,033	6,148	1,663	448	60
MF3.1	Level 3: Algebra 2	57,350	5,611	19,166	25,291	7,282	57,503	1,531	47,684	6,123	1,658	447	60
MF3.2	Level 3: Integrated Math 3	391	1	84	240	66	391	11	349	25	5	1	
MF4	Level 4 (e.g., Trig., Pre-Cal.)	47,198	1,693	6,008	21,277	18,220	47,358	976	32,679	11,998	1,435	246	24
MF5.1	Level 5 (e.g., Calculus)	7,037	261	361	1,944	4,471	7,068	110	5,635	893	370	40	20
MF5.2	Level 5 AP (e.g., AP Calculus, AP Statistics)	8,178	172	137	1,155	6,714	8,183	98	7,058	373	632	22	
MF9	Other Mathematics, 9-12	0					0						

* (italic) = adjusted data, n.s. = not on survey

Figure A.1 Grades 7-12 Student Membership by Grade Level, Race/Ethnicity and Gender / SY 2003-04

[Back to TOC](#)

By Grade Level

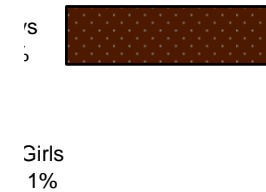
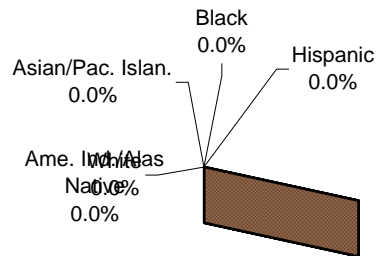
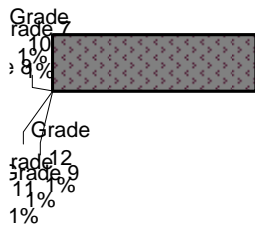
	Number of Students	% Grade Level
Grade 7	0	0%
Grade 8	0	0%
Grade 9	0	0%
Grade 10	0	0%
Grade 11	0	0%
Grade 12	0	0%
Total	0	0%

By Race/Ethnicity

	Number of Students	% Race/Ethnicity
Ame. Ind./Alas Native	0	0%
Asian/Pac. Islan.	0	0%
Black	0	0%
Hispanic	0	0%
White	0	0%
Total	0	0%

By Gender

	Number of Students	% Gender
Boys	0	0%
Girls	0	0%
Total	0	0%



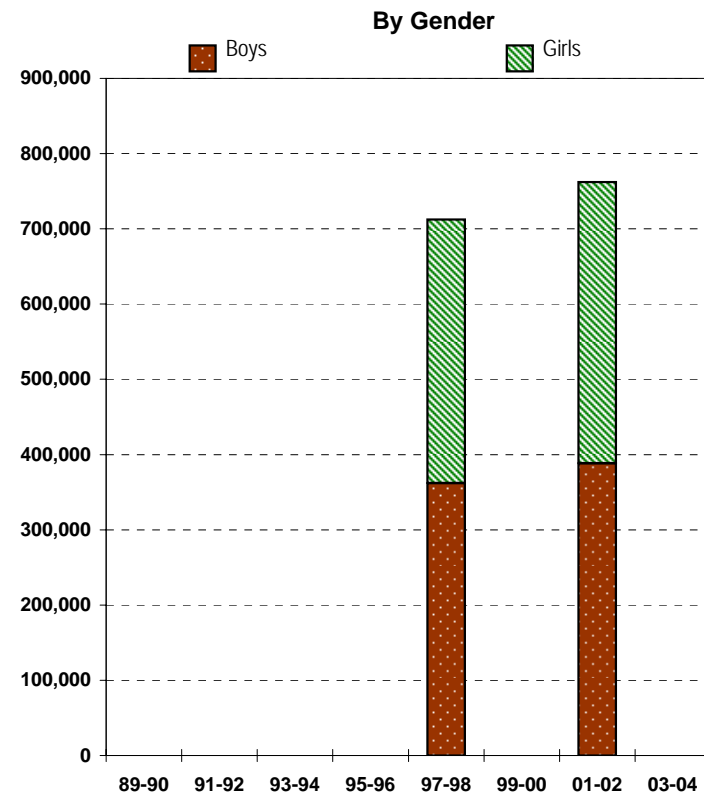
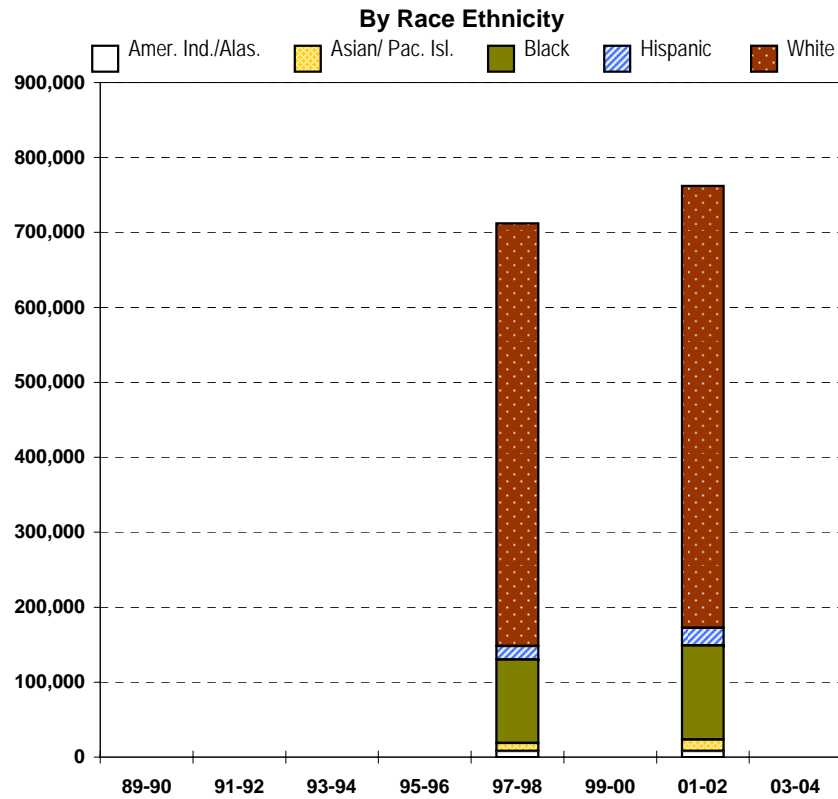
Source: Table A

CCSSO Indicator Summary Report

Michigan

Figure A.2 Grades 7-12 Student Membership Trends by Race/Ethnicity and Gender

[Back to TOC](#)



	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Amer. Ind./Alas.	0	0	0	0	7,935	0	8,253	0
Asian/ Pac. Isl.	0	0	0	0	10,683	0	15,122	0
Black	0	0	0	0	111,661	0	125,825	0
Hispanic	0	0	0	0	17,680	0	23,295	0
White	0	0	0	0	564,273	0	589,489	0
Total	0	0	0	0	712,232	0	761,984	0

	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Boys	0	0	0	0	361,776	0	388,343	0
Girls	0	0	0	0	350,456	0	373,641	0
Total	0	0	0	0	712,232	0	761,984	0

Source: Table A

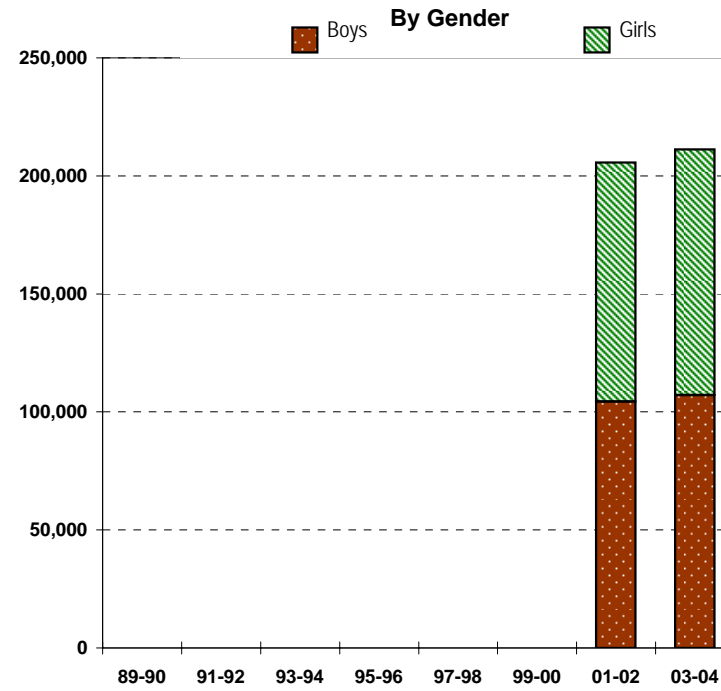
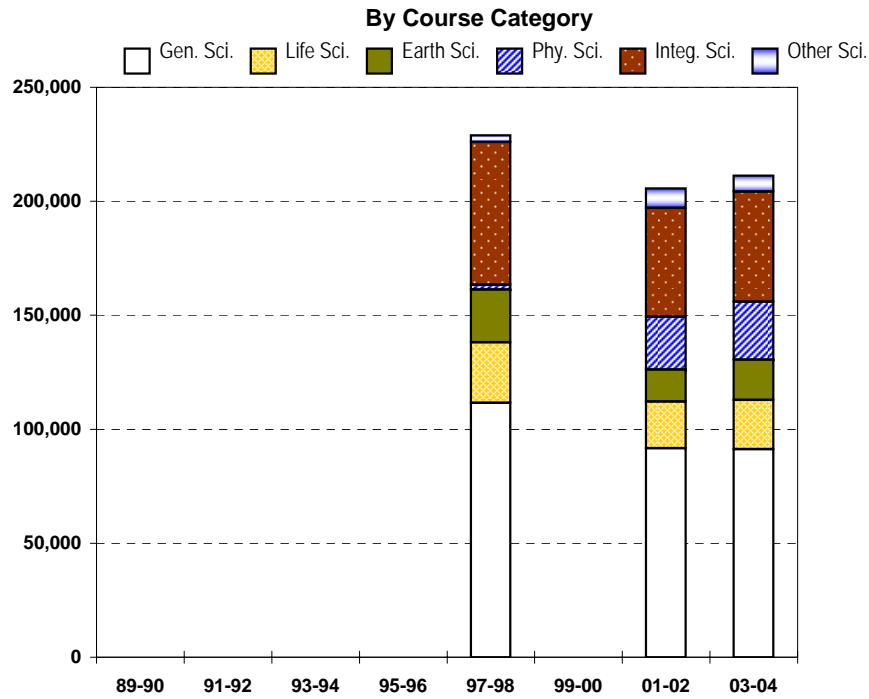
CCSSO Indicator Summary Report

Michigan

Figure B.1 Grades 7-8 Science Course Total Enrollment Trends by Course Category and Gender

[Back to TOC](#)

(General Sci, Life Sci, Earth Sci, Physical Sci, Integrated Sci, and Other Sci: By Course Category and Gender)



	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Gen. Sci.	0	0	0	0	111,583	0	91,713	91,289
Life Sci.	0	0	0	0	26,536	0	20,452	21,523
Earth Sci.	0	0	0	0	23,158	0	14,079	17,786
Phy. Sci.	0	0	0	0	2,130	0	23,153	25,321
Integ. Sci.	0	0	0	0	62,588	0	47,742	48,293
Other Sci.	0	0	0	0	2,960	0	8,564	7,037
Total	0	0	0	0	228,955	0	205,703	211,249

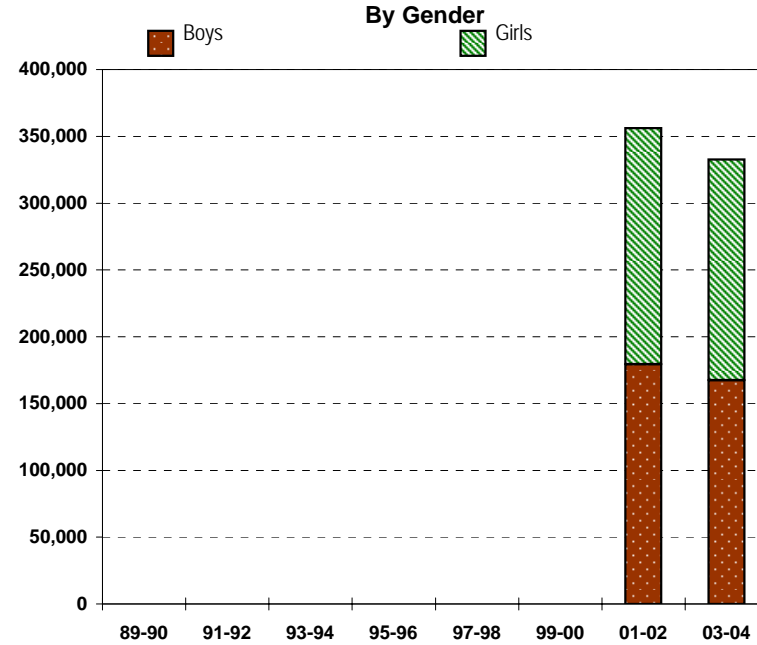
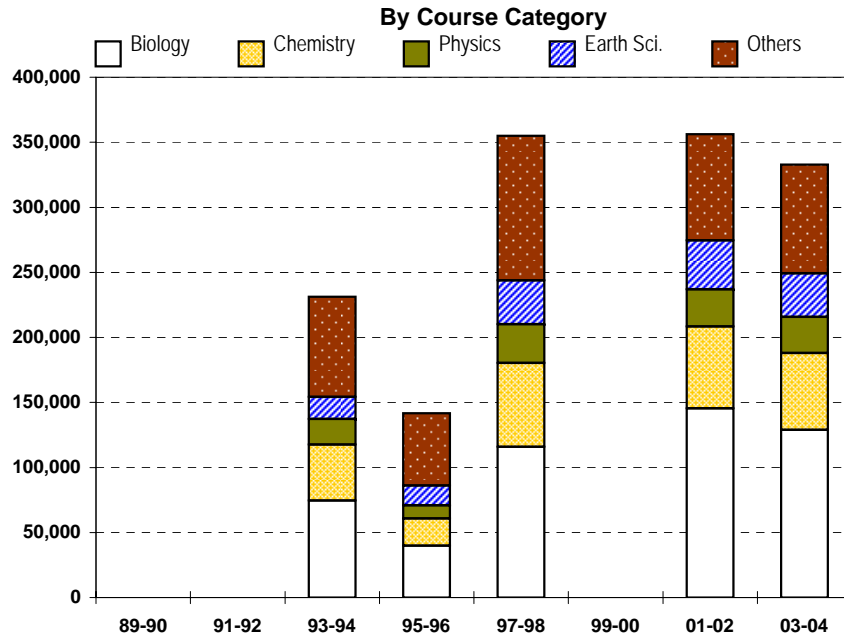
	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Boys	0	0	0	0	0	0	104,434	107,157
Girls	0	0	0	0	0	0	101,269	104,092
Total	0	0	0	0	0	0	205,703	211,249

Source: Table B

Figure B.2 Grades 9-12 Science Course Total Enrollment Trends by Course Category and Gender

[Back to TOC](#)

(Biology, Chemistry, Physics, Earth Sci. and Other Science Courses: By Course Category and Gender)



	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Biology	0	0	74,476	39,829	115,864	0	145,489	128,922
Chemistry	0	0	43,022	20,919	64,433	0	62,848	58,982
Physics	0	0	19,879	10,219	29,752	0	28,480	27,814
Earth Sci.	0	0	16,953	15,095	33,771	0	37,832	33,564
Others	0	0	77,031	55,610	111,063	0	81,635	83,528
Total	0	0	231,361	141,672	354,883	0	356,284	332,810

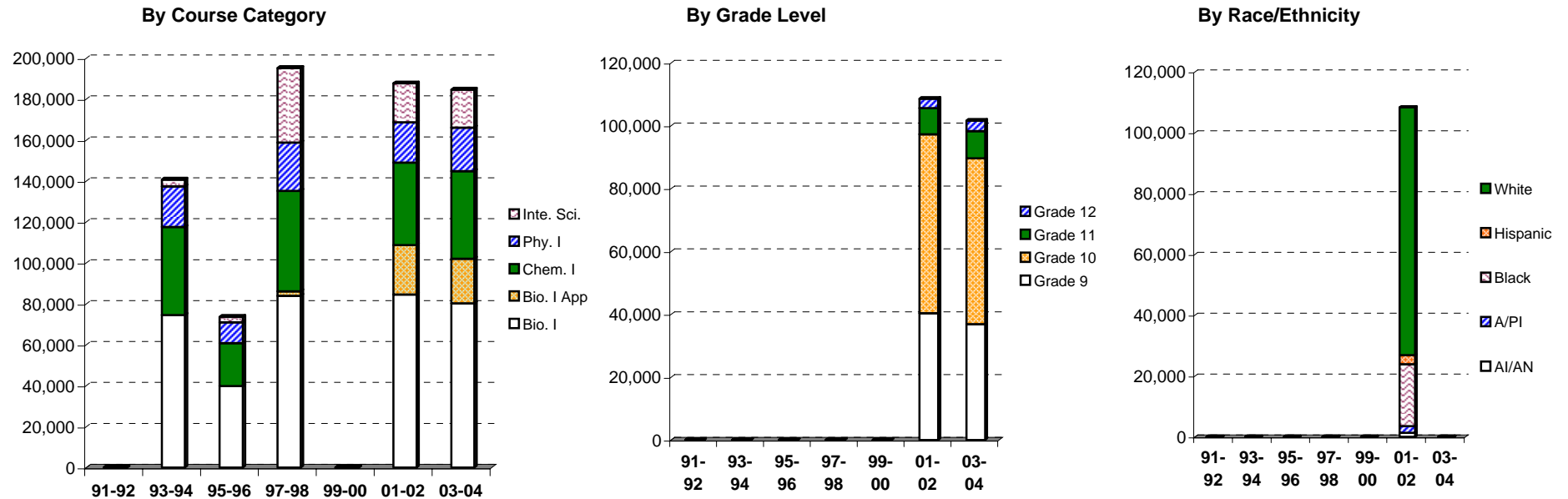
	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Boys	0	0	0	0	0	0	179,365	167,428
Girls	0	0	0	0	0	0	176,919	165,382
Total	0	0	0	0	0	0	356,284	332,810

Source: Table C, D & E

[Back to TOC](#)

Figure B.3 Grades 9-12 Science Course Enrollment Trends by Course Category, Grade, and Race/Ethnicity

(Bio. I, Bio. I Applied, Chem. I, Phy. I, and Integrated Science: By Course Category, Grade, and Race/Ethnicity)



5 Subjects Total

	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Bio. I	0	74,476	39,829	83,865	0	84,564	80,270
Bio. I App.	0	0	0	2,277	0	24,038	21,742
Chem. I	0	43,022	20,919	49,028	0	40,387	42,797
Phy. I	0	19,879	10,219	23,646	0	19,733	21,276
Inte. Sci.	0	3,285	2,587	36,391	0	18,950	18,556
Total	0	140,662	73,554	195,207	0	187,672	184,641

Bio. I and Bio. I Applied by Grade

	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Grade 9	0	0	0	0	0	40,337	36,902
Grade 10	0	0	0	0	0	56,962	52,705
Grade 11	0	0	0	0	0	8,283	8,712
Grade 12	0	0	0	0	0	3,020	3,317
Total	0	0	0	0	0	108,602	101,636

Bio. I and Bio. I Applied by Race/Ethnicity

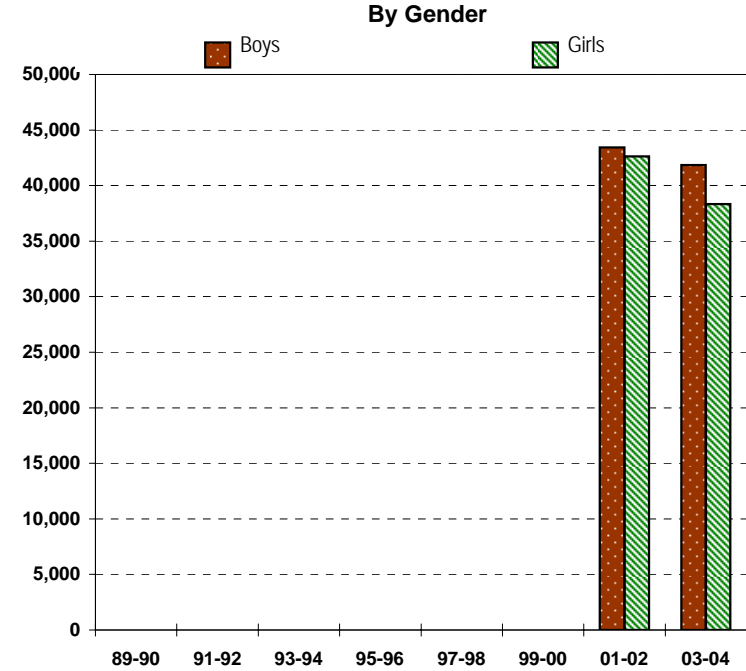
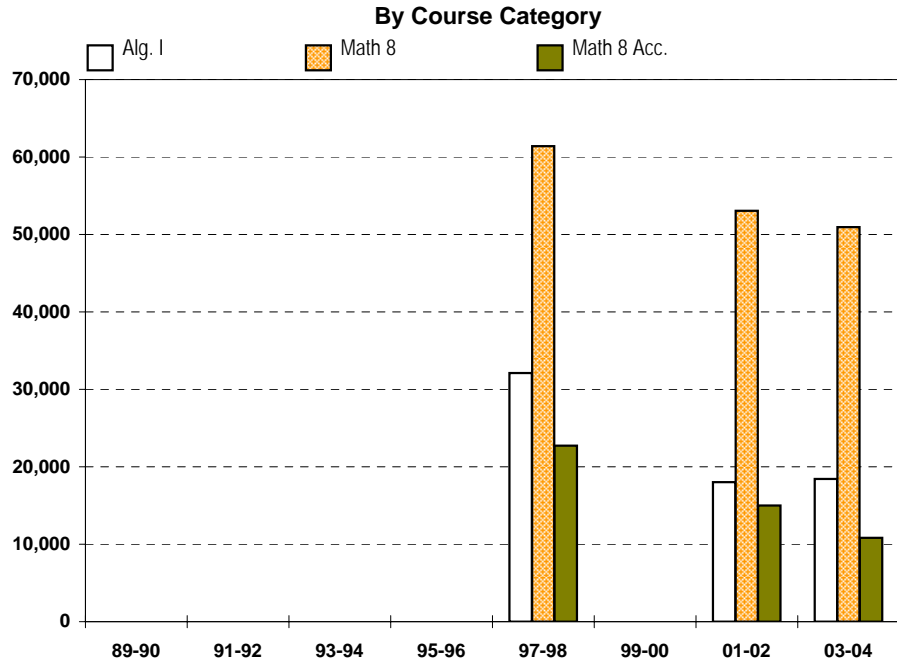
	91-92	93-94	95-96	97-98	99-00	01-02	03-04
AI/AN	0	0	0	0	0	1,391	0
A/PI	0	0	0	0	0	2,170	0
Black	0	0	0	0	0	20,332	0
Hispanic	0	0	0	0	0	2,991	0
White	0	0	0	0	0	81,502	0
Total	0	0	0	0	0	108,386	0

Source: Table C, D, E and J

Figure C.1 Grade 8 Mathematics Course Enrollment Trends by Course Category and Gender

[Back to TOC](#)

(Alg. I in 8th Grade, Math 8 and Math 8 Accelerated)



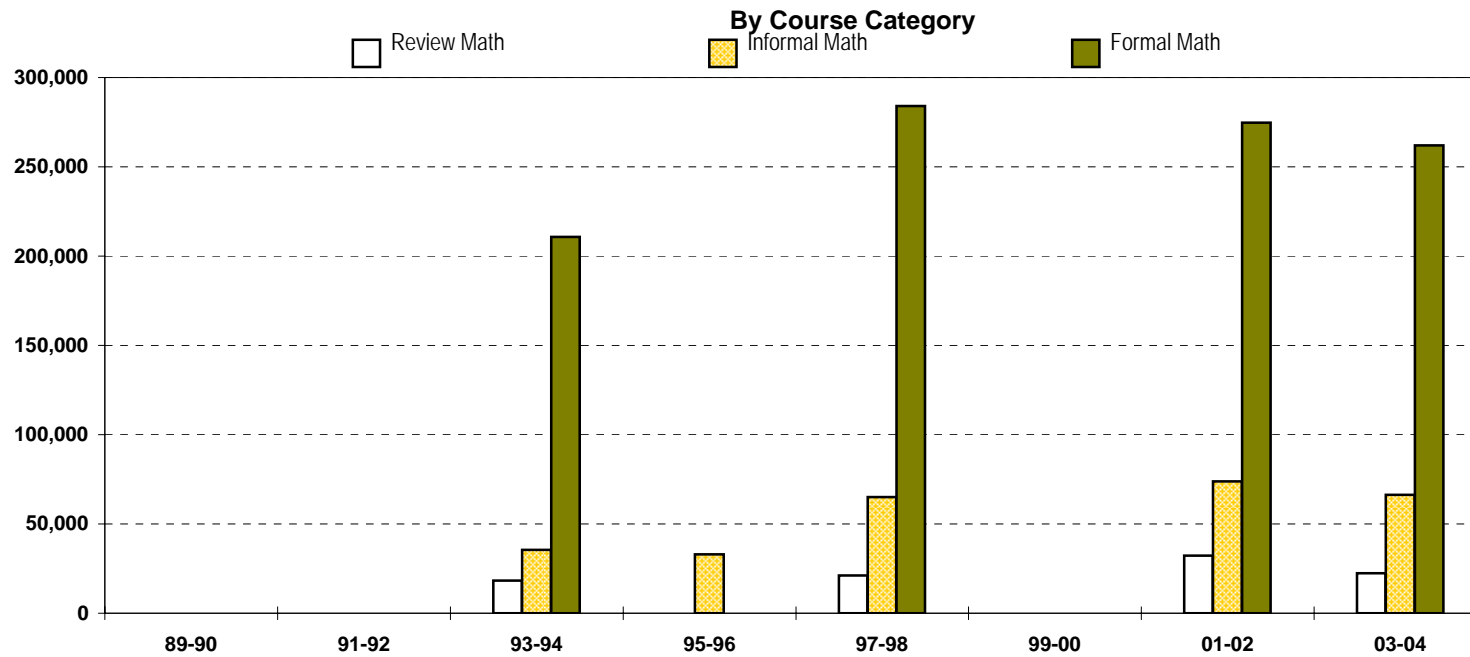
	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Alg. I	0	0	0	0	32,102	0	18,017	18,419
Math 8	0	0	0	0	61,416	0	53,043	50,949
Math 8 Acc.	0	0	0	0	22,740	0	14,997	10,815
Total	0	0	0	0	116,258	0	86,057	80,183

	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Boys	0	0	0	0	0	0	43,432	41,838
Girls	0	0	0	0	0	0	42,625	38,345
Total	0	0	0	0	0	0	86,057	80,183

Source: Table F

[Back to TOC](#)

Figure C.2 Grades 9-12 Mathematics Course Total Enrollment Trends by Course Category
 (Review Math, Informal Math, and Formal Math)

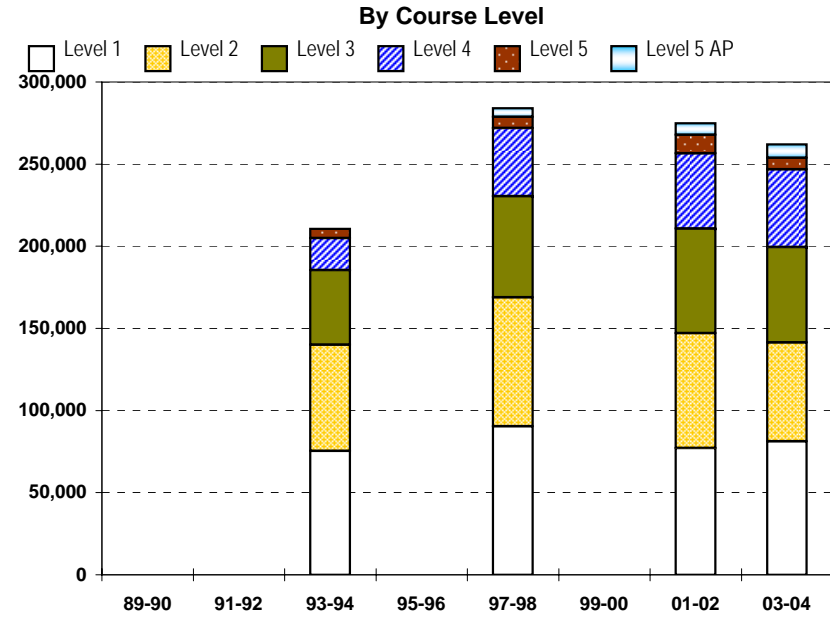
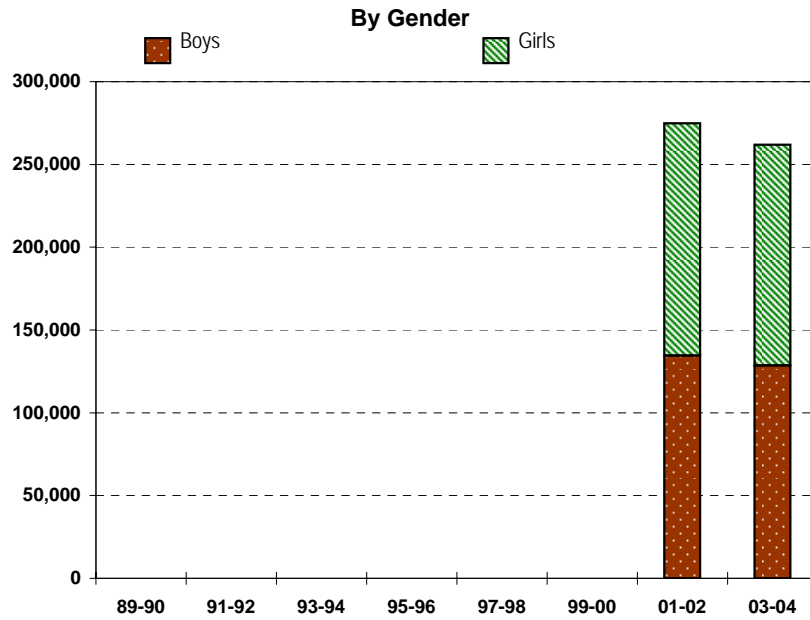


	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Review Math	0	0	18,358	0	21,061	0	32,263	22,389
Informal Math	0	0	35,419	32,982	65,025	0	73,892	66,374
Formal Math	0	0	210,668	0	284,009	0	274,807	262,001
Total	0	0	264,445	32,982	370,095	0	380,962	350,764

Source: Table G and H

Figure C.3 Grades 9-12 Formal Mathematics Enrollment Trends by Gender and Course Level

(Math Levels: see Note 1 below)



	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Boys	0	0	0	0	0	0	134,590	128,488
Girls	0	0	0	0	0	0	140,217	133,513
Total	0	0	0	0	0	0	274,807	262,001

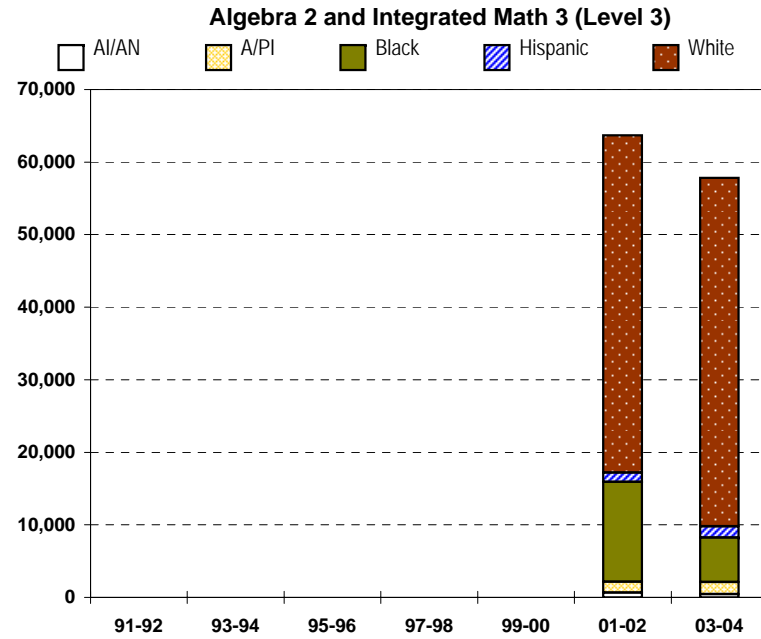
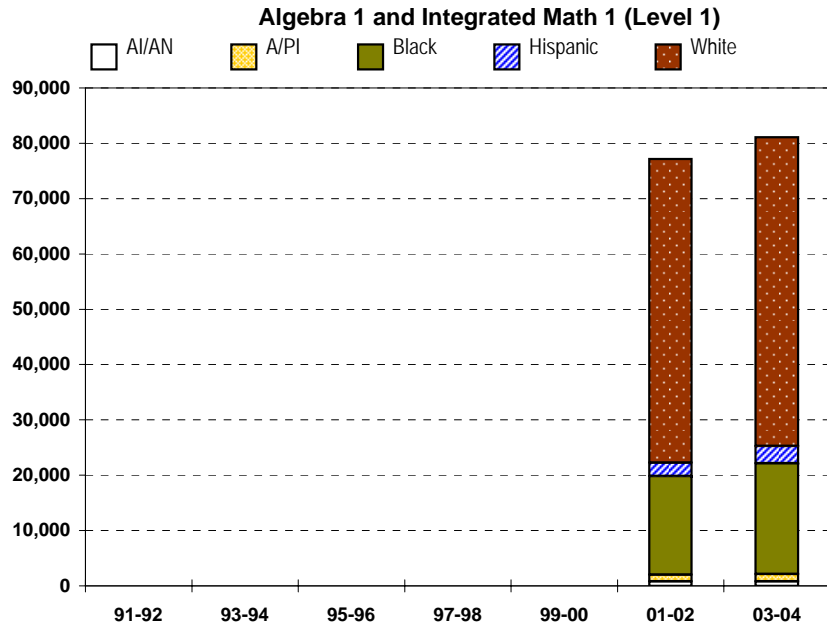
	89-90	91-92	93-94	95-96	97-98	99-00	01-02	03-04
Level 1	0	0	75,371	0	90,371	0	77,233	81,159
Level 2	0	0	64,780	0	78,504	0	69,782	60,339
Level 3	0	0	45,320	0	61,643	0	63,734	57,894
Level 4	0	0	19,449	0	41,337	0	45,824	47,358
Level 5	0	0	5,748	0	6,965	0	11,317	7,068
Level 5 AP	0	0	0	0	5,189	0	6,917	8,183
Total	0	0	210,668	0	284,009	0	274,807	262,001

Note 1 : Level 1 (e.g., Algebra 1, Algebra 1(B), Integrated Math 1); Level 2 (e.g., Geometry, Integrated Math 2); Level 3 (e.g., Algebra 2, Integrated Math 3); Level 4 (e.g., Trigo., Pre-Calculus); Level 5 (e.g., Calculus); Level 5 AP (Calculus, Statistics).

Source: Table H

Figure C.4 Grades 9-12 Algebra 1/Integrated Mathematics 1 and Algebra 2/Integrated Mathematics 3 Enrollment Trends by Race/Ethnicity

[Back to TOC](#)



Algebra 1 & Integrated Math 1 (Level 1)

	91-92	93-94	95-96	97-98	99-00	01-02	03-04
AI/AN	n.s.	0	0	0	0	820	810
A/PI	n.s.	0	0	0	0	1,194	1,348
Black	n.s.	0	0	0	0	17,854	20,012
Hispanic	n.s.	0	0	0	0	2,417	3,087
White	n.s.	0	0	0	0	54,903	55,807
Total	0	0	0	0	0	77,188	81,064

Algebra 2 & Integrated Math 3 (Level 3)

	91-92	93-94	95-96	97-98	99-00	01-02	03-04
AI/AN	n.s.	0	0	0	0	651	448
A/PI	n.s.	0	0	0	0	1,498	1,663
Black	n.s.	0	0	0	0	13,775	6,148
Hispanic	n.s.	0	0	0	0	1,279	1,542
White	n.s.	0	0	0	0	46,490	48,033
Total	0	0	0	0	0	63,693	57,834

Note : Level 1 (e.g., Algebra 1, Algebra 1(B), Integrated Math 1); Level 3 (e.g., Algebra 2, Integrated Math 3)

Source: Table J

APPENDIX A : Definitions for Science Courses by CCSSO Categories

SCIENCE COURSE: A course offering expected to be taught by a teacher with science certification, and, in grades 9-12, a course providing science graduation credit.

Note 1: Definitions were developed for the State Science-Math Indicators with representatives of the state science supervisors; revised with state science supervisors Spring 1998

[Back to TOC](#)**Grades 7-8****#REF!**

CCSSO Course ID	CCSSO Category	Definition of Category	Cross-State Course Titles	State Course Codes	NCES Code *
S01	General Science	A laboratory course that provides an overview of science disciplines in a concrete and experiential manner.	General Science 7, 8	General Science (gr. 7-8)	
S02	Life Science	A laboratory course that teaches the fundamental concepts of the biological sciences in a concrete and experiential manner.	Life Science 7, 8	Life Science (gr. 7-8)	
S03	Earth Science	A laboratory course that teaches the fundamental concepts of earth and space science in a concrete and experiential manner.	Earth Science 7, 8	Earth Science (gr. 7-8)	
S04	Physical Science	A laboratory course that teaches the fundamental concepts of the physical sciences in a concrete and experiential manner.	Physical Science 7, 8	Physical Science (gr. 7-8)	
S05	Integrated/Coordinated Science	Integrated: A laboratory course integrating the fundamental concepts of the major disciplines of science in a concrete and experiential manner. Coordinated: Discipline concepts taught separately but under an overarching idea in the sciences.	Science I, II; SS&C; Project 2061; Integrated Science 7, 8; Earth/Life/Physical Science 7, 8; Coordinated Science 7, 8	Integrated Science (gr. 7-8)	
S06	Other Science	A science course that may encompass any of a wide variety of topics that do not easily fall in previous definitions, such as: Research topics, Technology, Energy, and Science/Technology/Society.	Other science courses for grades 7 or 8 listed under the "Science" category on state data collection form.	Other Science (gr. 7-8)	

Grades 9-12

S11	Biology, 1st Yr.	A first level laboratory course that uses the knowledge from biological principles and concepts in the context of living systems, to understand their nature, and how they interact.	Biology I; General; College Prep.; Regents; Introductory; BSCS I	Biology, 1st Year	1711, 1716
S12	Biology, 1st Yr., Applied	A first level laboratory course that uses the knowledge from biological principles and concepts in a concrete manner.	Basic Biology; Applied; Life Science; Biomedical Ed.; Animal Science; Horticulture Sci.; Bio. Science; Health Science; Nutrition; Man & Disease; Agricul. Science; Fundamentals of Biology	Biology, 1st Year, Basic/Applied	1743
S13	Biology, 2nd Yr., AP	A course which adheres to the College Board guidelines for Advanced Placement Biology.	Advanced Placement Biology	Biology, 2nd Year, AP	1715

* Ref: A Pilot Standard National Course Classification System for Secondary Education, USED, NCES 95-480

APPENDIX A (cont.): Definitions for Science Courses by CCSSO Categories

Note 1: Definitions were developed for the State Science-Math Indicators with representatives of the state science supervisors; revised with state science supervisors Spring 1998

[Back to TOC](#)**Grades 9-12****#REF!**

CCSSO Course ID	CCSSO Category	Definition of Category	Cross-State Course Titles	State Course Codes	NCES Code *
S14	Biology, 2nd Yr., Adv.	A second level laboratory course which builds on first level biology. It may broadly cover the field or it may be an in-depth treatment of a single area such as genetics, human anatomy, microbiology or physiology.	Biology II; Advanced; College; Psychobiology; Physiology; Anatomy; Microbiology; Genetics; Cell Biology; Embryology; Molecular Biology; Invertebrate/Vertebrate Biology; BSCS II	Biology, 2nd Year, Advanced	1712, 1713
S15	Biology, 2nd Yr., Other	A second level laboratory course that specializes in one specific area of biology such as botany, zoology, or careers.	Zoology; Botany; Bio-medical careers; Field Biology; Ecology; Marine Biology; Other Biological Sciences	Biology, 2nd Year, Other	1714
S21	Chemistry, 1st Yr.	A first level laboratory course that employs the concepts and principles of chemistry to understand the composition and properties of substances and the reactions by which substances are produced and/or converted into other substances.	Chemistry I; General; Introductory; Regents	Chemistry, 1st Year	1721, 1726
S22	Chemistry, 1st Yr., Applied	A first level laboratory course that emphasizes practical chemical applications in a concrete fashion. Chemistry and its applications to science and technology may also be covered.	Applied Chemistry; Consumer Chemistry; Technical Chemistry; Practical Chemistry; Chemistry in the Community	Chemistry, 1st Year, Basic/Applied	1722
S23	Chemistry, 2nd Yr., AP	A laboratory course that adheres to the College Board guidelines for Advanced Placement Chemistry.	Advanced Placement Chemistry	Chemistry, 2nd Year, AP	1725
S24	Chemistry, 2nd Yr., Adv.	A second level laboratory course that builds on the first year chemistry course. It may be a broad field coverage of chemistry or a more specialized offering in one or more areas of chemistry such as organic chemistry, biochemistry, or analytical chemistry.	Chemistry II; Advanced; College; Organic; Inorganic; Physical; Biochemistry; Analytical	Chemistry, 2nd Year, Advanced	1723, 1724
S31	Physics, 1st Yr.	A first level laboratory course that uses knowledge of basic physics principles and concepts to understand the characteristics of matter and energy and how they are used in the physical world.	Physics I; General; Regents; Introductory	Physics, 1st Year	1731, 1737
S32	Physics, 1st Yr., Applied	A first level laboratory course that uses the principles of physics and applies them to everyday problems and phenomena.	Applied Physics; Electronics; Radiation Physics; Practical Physics; Applied/Conceptual Physics; Electricity	Physics, 1st Year, Basic/Applied	
S33	Physics, 2nd Yr., AP	A course that adheres to the College Board guidelines for Advanced Placement Physics.	Advanced Placement Physics	Physics, 2nd Year, AP	1735, 1736
S34	Physics, 2nd Yr., Adv.	A second level laboratory course that builds on the first level. It may be a broad coverage of the field or a more narrow coverage in a single area such as nuclear physics.	Physics II; Advanced; College; Nuclear Physics; Atomic Physics	Physics, 2nd Year, Advanced	1733, 1734

* Ref: A Pilot Standard National Course Classification System for Secondary Education, USED, NCES 95-480

APPENDIX A (cont.): Definitions for Science Courses by CCSSO Categories

Note 1: Definitions were developed for the State Science-Math Indicators with representatives of the state science supervisors; revised with state science supervisors Spring 1998

[Back to TOC](#)**Grades 9-12****#REF!**

CCSSO Course ID	CCSSO Category	Definition of Category	Cross-State Course Titles	State Course Codes	NCES Code *
S41	Earth Science, 1st Yr.	A laboratory course that covers aspects of geology, astronomy, oceanography, and meteorology. This course uses knowledge and concepts in these fields to understand the earth in relationship to the larger environment of time and space.	Earth Science; Earth-Space Science; Regents Earth Science; Space Science (courses that are generally taught at grade 9 and at introductory level)	Earth Science, 1st Year	1701
S42	Earth Science, 1st Yr., Applied	A first level laboratory course that applies concrete practical concepts to everyday environmental problems.	Applied Earth Science; Fundamentals of Earth Science; Soil Science	Earth Science, 1st Year, Basic/Applied	
S43	Earth Science, 2nd Yr., Adv./Other	A second level laboratory course which builds on the first level. This course may expand basic earth science concepts or extend to more specialized areas such as meteorology, geology, astronomy, or mineralogy.	Advanced Earth Science; Earth Science II; Oceanography; Aquatic Science; Marine Science; Astronomy; Geology; Meteorology (courses that are generally taught at grade 10, 11, or 12 and at higher level than Earth Science, 1st Year)	Earth Science, 2nd Year, Advanced/Other	1702, 1761, 1771
S51	General Science	A first level, broad-based laboratory course covering all major disciplines of science.	General Science; Basic; Introductory; Consumer Science	General Science	
S52	Physical Science	A laboratory course covering principles of physical sciences and includes topics such as energy, mechanics and electricity.	Physical Science; Interaction of Matter and Energy; Applied Physical Science	Physical Science	1703, 1704
S53	Integrated/Coordinated Science	Integrated: A laboratory course where developmentally appropriate concepts of earth, life, and physical science are integrated in thematic units. Coordinated: Discipline concepts taught separately but under an overarching idea in the sciences.	Science III, IV; SS&C; Project 2061; Integrated Science 9, 10; Unified; Comprehensive Ideas of Investigations in Science; Life/Physical Science; Earth/Life/Physical Science; Coordinated Science	Integrated Science	1741, 1742
S54	Environmental Science	A laboratory-based science course that explores topics concerning the interactions of humans, other living organisms, and the environment.	Environmental Science; Environmental Education	Environmental Science	1751
S55	Technology (taught as science course)	A laboratory-based course that teaches scientific principles through design and use of tools and instruments in science and to solve practical problems.	Principles of Technology I, II; Science/Technology/Society; Tech. Prep. Science; Biotechnology; Histological Technology	Technology (taught as science course)	1732, 1781
S56	Other Science	A science course that may encompass any of a wide variety of topics that do not easily fall in previous definitions.	Science/Math; Engineering; Bioengineering; Special Interests Science; Energy; Research Topics; Laboratory Management; Aerospace Science; Aviation; Other science courses for grades 9-12 listed under the "Science" category on state data collection form.	Other Science	1782, 1793, 1796, 1799

* Ref: A Pilot Standard National Course Classification System for Secondary Education, USED, NCES 95-480

APPENDIX B: Definitions for Mathematics Courses by CCSSO Categories

MATHEMATICS COURSE: A course offering expected to be taught by a teacher with mathematics certification, and, in grades 9-12, a course providing mathematics graduation credit.

Note 1: Enrollments in courses with similar goals and content are aggregated and reported by course category.

Note 2: If Accelerated Math 8 is the same as Algebra 1 in your state, report the data under Math Grade 8, Algebra 1, and not Math Grade 8, Accelerated.

Note 3: If Applied Math course includes some algebra and geometry, report under Informal Math, Level 1. If it does not, report under Review Math, Level 2.

Note 4: Definitions were developed for the State Science-Math Indicators with representatives of the state mathematics supervisors; revised Spring 1998.

[Back to TOC](#)

Grades 7-8

#REF!

CCSSO Course ID	CCSSO Category	Definition of Category	Cross-State Course Titles	State Course Codes	NCES Code *
M71	Remedial Math, G7	Course offering a remedial 7th grade mathematics program, i.e., 7th grade students taking 6th grade math or lower.	Remedial Math 7	Remedial Math, G7	
M72	Math, G7, Regular	Course covering the regular 7th grade mathematics program.	Math 7; Math Grade 7 Regular	Math, G7, Regular	
M73	Math, G7, Accelerated (or Pre-Alg.)	Accelerated or enriched course of mathematics. Students reported in this category will, in all likelihood, enroll in Algebra 1 as 8th graders. This may be a course in pre-algebra, or those 7th grade classes designated as honors, enriched, accelerated, etc.	Accelerated Math 7; Pre-Algebra; Honors Math 7; Enriched Math 7	Math, G7, Accelerated (or Pre-Algebra)	
M81	Remedial Math, G8	Course offering a remedial 8th grade mathematics program, i.e., 8th grade students taking 7th grade math or lower.	Remedial Math 8	Remedial Math, G8	
M82	Math, G8, Regular	Course covering the regular or general 8th grade mathematics program.	Math 8; Math 8 Regular	Math, G8, Regular	
M83	Math, G8, Accelerated (or Pre-Alg.)	Content of the course includes some Algebra and may be a course for 8th graders called "honors", "enriched", "accelerated", or "pre-algebra".	Accelerated Math 8 ² ; Pre-Algebra; Honors Math 8; Enriched Math 8	Math, G8, Enriched	
M84	Math, G7-8, Alg. 1	Same course as Algebra 1 for grades 9-12 (below). Seventh or eighth graders who have been accelerated into an Algebra 1 course should be included here.	Algebra 1; Beginning Algebra; Elementary Algebra	Math, G7-8, Algebra 1	
M85	Integrated Middle Grades Math, G7-8	A middle grades math curriculum which integrates content in algebra, geometry, numbers, measurement, statistics, and probability.	Integrated Math 7 or 8; Connected Math 7 or 8	Math, G7-8, Integrated Math 1	

Grades 9-12

<p>Categories: Mathematics courses for students in grades 9-12 may be placed into three categories (review, informal, and formal), each of which may have up to five levels. The categories are characterized by the degree to which they introduce students to increased levels of abstraction and by the degree to which they expose students to mathematics content not previously taught in earlier grades. In different states the same course titles may be reported in different categories and levels depending on the content of the course, its level of abstraction, and its intent. State mathematics supervisors should carefully review the categorization of their state's categories for mathematics.</p>	<p>Levels: Levels indicate the sequence of course within a category, and may or may not correspond to grade levels (i.e. 1 corresponding to ninth grade, 2 to tenth grade, etc.). If, for example, in a particular state geometry is typically taken immediately after Algebra I, then Level 2 of formal mathematics is geometry. In many states the enrollment in calculus would be reported in Level 5 of formal mathematics. Enrollments in AP Calculus and AP Statistics are reported in Level 5 or formal mathematics and are kept separate from other level 5 courses. Review and informal mathematics will seldom have level 4 components.</p>	<p>Integrated Mathematics: A three-year core curriculum which integrates the traditional algebra I, algebra II and geometry courses. The program covers the same content topics in a more meaningful sequence using a spiral approach. An Integrated Mathematics Program I, II, and III typically includes algebra, geometry, probability, statistics, logic, trigonometry, functions, and discrete mathematics; however, content in each course will be differentiated by the depth and breadth of the treatment of each topic and by the nature of applications. Extensive problem solving, mathematical communication, reasoning, and mathematical connections are woven throughout the program. Emphasis is on realistic problems and modeling, deductive arguments, and the use of computer and graphing utilities. (For more information about the high school mathematics core curriculum see National Council of Teacher of Mathematics (NCTM) Curriculum and Evaluation Standards, Grades 9-12.)</p>
--	--	--

* Ref: A Pilot Standard National Course Classification System for Secondary Education, USED, NCES 95-480

APPENDIX B (cont.) : Definitions for Mathematics Courses by CCSSO Categories

Note 1: Definitions were developed for the State Science-Math Indicators with representatives of the state mathematics supervisors; revised Spring 1998

[Back to TOC](#)**Grades 9-12****#REF!**

CCSSO Course ID	CCSSO Category	Definition of Category	Cross-State Course Titles	State Course Codes	NCES Code *
Review Mathematics					
MR1	Level 1	Courses that include little or no new content are reported in this category. These courses contain no significant change in content over that which was learned in 7th or 8th grades. Courses within this category generally focus on arithmetic skill development. Typical course names in this category are: General Mathematics, Fundamental Mathematics, Consumer Mathematics, Basic Skills Mathematics, etc.	General Math 1; Basic Math; Math 9; Remedial Math; Developmental; H.S. Arithmetic; Math Comp Test; Comprehensive Math; Terminal Math	Review Mathematics, Level 1	2004, 2011, 2012, 2013
MR2	Level 2		General Math 2; Vocational Math; Consumer; Technical; Business; Shop; Math 10; Career Math; Practical Math; Essential Math; Cultural Math	Review Mathematics, Level 2	2014, 2061, 2064
MR3	Level 3		General Math 3; Math 11; Intermediate Math	Review Mathematics, Level 3	
MR4	Level 4		General Math 4; Math 12; Mathematics of Consumer Economics	Review Mathematics, Level 4	

Informal Mathematics

MI1	Level 1	Courses that present new content from areas of mathematics such as algebra, statistics, or geometry, but that are taught at a low level of abstraction are reported in informal mathematics. Many of these courses contain an emphasis on applications. Other courses that may be included in this category are those which serve as a prerequisite to Algebra I, such as pre-algebra or the first year of a two-year Algebra I course. Informal or practical geometry courses, as well as courses in applied mathematics that focus on more than computational facility are other examples of courses that may be reported here.	Pre-Algebra; Introductory Algebra; Basic; Applications; Algebra 1A (first year of two-year sequence for Algebra 1); Math A; Applied Math 1 ³	Informal Mathematics, Level 1	2015, 2016, 2021, 2024, 2032
MI2	Level 2		Basic Geometry; Informal Geometry; Practical Geometry; Applied Math 2	Informal Mathematics, Level 2	2022, 2023, 2035
MI3	Level 3		Applied Math 3, 4	Informal Mathematics, Level 3	

Formal Mathematics

MF1	Level 1	Enrollments in courses designed to prepare students for admission to post-secondary educational institutions, for the study of more advanced mathematics, or for the study of Calculus are reported in formal mathematics. This includes Algebra I, Geometry, Algebra II, Trigonometry, Probability, Pre-Calculus, Calculus, Integrated Mathematics, and other courses designed for students who have an advanced level of mathematics aptitude.	Algebra 1; Elementary; Beginning; Unified Math I; Integrated Math 1; Algebra 1B (second year of two-year sequence for Algebra 1); Math B	Formal Mathematics, Level 1	2031, 2033, 2065, 2068, 2001 (1st year), 2002 (1st year), 2003 (1st year)
MF2	Level 2		Geometry; Plane Geometry; Solid Geometry; Integrated Math 2; Unified Math II; Math C	Formal Mathematics, Level 2	2034, 2062, 2001 (2nd year), 2002 (2nd year), 2003 (2nd year)
MF3	Level 3		Algebra 2; Intermediate Algebra; Algebra and Trigonometry; Advanced Algebra; Algebra and Analytic Geometry; Integrated Math 3; Unified Math III	Formal Mathematics, Level 3	2041, 2044, 2066, 2069, 2001 (3rd year), 2002 (3rd year), 2003 (3rd year)
MF4	Level 4		Trigonometry; College Algebra; Algebra 3; Pre-Calculus; Analytic/Advanced Geometry; Trigonometry and Analytic/Solid Geometry; Advanced Math Topics; Intro. to College Math; Number Theory; Math IV; College Prep Sr. Math; Elem. Functions; Finite Math; Math Analysis; Numerical Analysis; Discrete Math; Probability; Statistics	Formal Mathematics, Level 4	2001 (4th year), 2042, 2043, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2063, 2067, 2070, 2072, 2073
MF5.1	Level 5		Calculus and Analytic Geometry; Calculus; Abstract Algebra; Differential Equations; Multivariate Calculus; Linear Algebra; Theory of Equations; Vectors/Matrix Algebra	Formal Mathematics, Level 5	2055, 2056, 2057, 2071, 2074, 2075, 2076
MF5.2	Level 5, AP		Advanced Placement Calculus (AB, BC); Advanced Placement Statistics	Formal Mathematics, Level 5, AP	2058, 2059
MF9	Other Math, 9-12		Use only if your state has a code for "Other Mathematics".		2096, 2099

* Ref: A Pilot Standard National Course Classification System for Secondary Education, USED, NCES 95-480