

FY12 Demographic Data of Comparable Communities

Community	FY10 Average Single Family Tax Bill (1)		1999 Median Family Income (1)		FY10 Per-Pupil Expenditure (2)		FY10 Student Teacher Ratio (2)		2010 MCAS (2)		2009 Combined SAT (3)		FY11 Teacher Starting Salary with Masters (4)		FY11 Teacher Top Salary with Masters (4)		FY11 Teacher Starting Salary with Masters + 30 (4)		FY11 Teacher Top Salary with Masters + 30 (4)	
	Amount	Rank	Amount	Rank	Amount	Rank	Ratio	Rank	Score	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank	Rank
Belmont	\$ 9,676	9	\$95,057	14	\$ 11,609	19	15.7 to 1	21	84.5	6	1774	11	4	\$ 85,010	3	\$ 51,287	5	\$ 89,255	7	
Brookline	\$ 11,879	4	\$92,993	15	\$ 17,090	2	12.6 to 1	3	80.1	14	1758	13	4	\$ 81,014	8	\$ 50,846	8	\$ 87,532	8	
Concord *	\$ 11,650	5	\$115,839	4	\$ 16,438	4	13.9 to 1	13	83.1	8	1870	3	3	\$ 89,511	1	\$ 52,251	3	\$ 94,104	1	
Dedham	\$ 5,483	19	\$72,330	19	\$ 14,852	11	13.3 to 1	8	66.6	19	1546	20	5	\$ 73,658	18	\$ 50,924	7	\$ 78,934	16	
Dover **	\$ 12,074	3	\$157,168	2	\$ 15,646	8	13.7 to 1	11	84.9	5	1799	8	1	\$ 83,144	6	\$ 52,935	1	\$ 89,374	5	
Framingham	\$ 5,197	20	\$67,420	21	\$ 15,675	7	12.6 to 1	3	58.7	21	1609	18	8	\$ 75,781	15	\$ 50,646	9	\$ 76,452	18	
Holliston	\$ 6,754	16	\$84,878	17	\$ 12,486	16	13.3 to 1	8	79.1	16	1744	15	17	\$ 80,322	14	\$ 49,513	14	\$ 85,067	10	
Hopkinton	\$ 7,904	14	\$102,550	13	\$ 11,921	18	14.7 to 1	16	81.3	11	1645	16	13	\$ 75,347	16	\$ 51,040	6	\$ 80,935	14	
Lexington	\$ 10,032	8	\$111,899	7	\$ 15,862	5	11.8 to 1	1	86.9	2	1882	1	12	\$ 78,717	12	\$ 49,355	15	\$ 83,762	11	
Medfield	\$ 8,477	13	\$108,926	9	\$ 10,741	21	15.3 to 1	20	79.4	15	1750	14	15	\$ 76,990	14	\$ 48,387	17	\$ 83,153	13	
Natick	\$ 5,561	17	\$85,715	16	\$ 12,910	14	14.1 to 1	15	80.5	13	1642	17	14	\$ 70,546	21	\$ 49,761	12	\$ 77,599	20	
Needham	\$ 7,719	15	\$107,570	10	\$ 13,245	13	15.2 to 1	19	81.9	10	1795	10	11	\$79,161	11	\$ 49,989	13	\$ 83,499	12	
Newton	\$ 8,592	12	\$105,289	11	\$ 16,597	3	13.2 to 1	6	81.0	12	1846	5	10	\$ 80,288	10	\$ 50,645	10	\$ 85,244	9	
Norwood	\$ 3,662	21	\$70,164	20	\$ 12,790	15	12.8 to 1	5	63.8	20	1510	21	20	\$ 72,589	19	\$ 45,479	21	\$ 75,653	21	
Sherborn **	\$ 13,119	2	\$136,211	3	\$ 15,784	6	13.2 to 1	6	85.3	3	1799	8	1	\$ 83,144	6	\$ 52,935	1	\$ 89,374	5	
Walpole	\$ 5,538	18	\$64,458	18	\$ 11,971	17	14.9 to 1	18	75.2	18	1583	19	21	\$ 74,047	17	\$ 46,983	20	\$ 78,707	17	
Wayland	\$ 11,471	6	\$113,671	6	\$ 15,219	10	14.0 to 1	14	82.6	9	1838	6	16	\$ 83,679	5	\$ 47,058	18	\$ 92,061	3	
Wellesley	\$ 11,281	7	\$134,769	4	\$ 15,392	9	13.3 to 1	8	79.1	16	1853	4	6	\$ 85,732	2	\$ 52,149	4	\$ 92,349	2	
Weston	\$ 15,835	1	\$181,041	1	\$ 18,591	1	12.2 to 1	2	85.2	4	1873	2	9	\$ 84,447	4	\$ 49,863	11	\$ 90,039	4	
Westwood	\$ 8,594	11	\$103,242	12	\$ 13,814	12	14.8 to 1	12	83.6	7	1760	12	19	\$ 78,481	13	\$ 47,000	19	\$ 80,668	15	
Winchester	\$ 9,167	10	\$110,226	8	\$ 11,363	20	13.7 to 1	17	87.2	1	1808	7	18	\$ 70,787	20	\$ 48,517	16	\$ 77,819	19	

(1) Source: Commonwealth of Massachusetts Department of Revenue Website

(2) Source: Commonwealth of Massachusetts Department of Education Website

(3) Source: Commonwealth of Massachusetts Department of Education Website and informal telephone survey of school districts

(4) Source: Commonwealth of Massachusetts Department of Education Website, school district websites and informal telephone survey of school districts

* - Concord-Carlisle

** - Dover-Sherborn

Per Pupil Expenditures

The Department of Education (DOE) calculates per pupil expenditures using data provided in the end-of-year pupil and financial reports prepared by each school system. As you can see from the charts on the next three pages, per pupil expenditures in Needham are in the middle of the range of comparable communities offering high quality education programs, and less than the state average. Thus, we offer high value per dollar expended.

Needham Per Pupil Expenditures by Function: FY 2009/10 (Source: Department of Elementary & Secondary Education)

FY10 Expenditures Per Pupil by Function	General Fund Approp (1)	Grants & Revolving	All Fund Total	% of Total	Per Pupil Expenditure	State Average
Administration	3,033,525	82,614	3,116,139	4.35	584.13 (2)	445.41
Instructional Leadership	4,624,489	588,513	\$5,213,002	7.27	977.19 (2)	817.82
Classroom & Specialist Teachers	25,139,231	1,347,623	\$26,486,854	36.96	4,965.01 (2)	4965.51
Other Teaching Services	4,645,274	1,044,166	\$5,689,440	7.94	1,066.50 (2)	962.29
Professional Development	827,623	115,778	\$943,401	1.32	176.84 (2)	226.42
Instructional Materials, Equipment & Technology	1,303,549	995,355	\$2,298,904	3.21	430.93 (2)	391.59
Guidance, Counseling & Testing	2,144,148	127,173	\$2,271,321	3.17	425.76 (2)	359.93
Pupil Services	1,574,400	3,058,856	\$4,633,256	6.47	868.51 (2)	1171.59
Operations & Maintenance	5,853,848	44,822	\$5,898,670	8.23	1,105.72 (2)	1046.75
Insurance, Retirement Programs & Other	10,428,444	174,952	\$10,603,396	14.80	1,987.63 (2)	2199.46
Payments to Out of District Schools	<u>2,856,143</u>	<u>1,651,986</u>	<u>\$4,508,129</u>	<u>6.29</u>	<u>59,552.56 (3)</u>	<u>20,660.22</u>
Total	\$62,430,674	\$9,231,838	\$71,662,512	100.00	\$13,245.33 (4)	13,063.73

(1) Includes School Operating Budget, plus Town expenditures on behalf of the schools.

(2) Based on In District FTE Average Membership = 5334.7

(3) Based on Out of District FTE Average Membership = 75.7

(4) Based on Total FTE Average Membership = 5410.4

Trend in Needham Per Pupil Expenditures by Function, FY08- FY10 (Source: Department of Elementary & Secondary Education Education)

FY10 Expenditures Per Pupil by Function, FY08-10	FY08		FY09		FY10		% Chg		2Yr % Chg	
							08-09	09-10	08-10	
Administration	\$2,739,719	\$2,985,758	\$	3,116,139			9.0%	4.4%		13.7%
Instructional Leadership	\$4,747,392	\$4,775,393	\$	5,213,002			0.6%	9.2%		9.8%
Classroom & Specialist Teachers	\$23,526,692	\$24,647,893	\$	26,486,854			4.8%	7.5%		12.6%
Other Teaching Services	\$4,897,047	\$5,063,669	\$	5,689,440			3.4%	12.4%		16.2%
Professional Development	\$753,092	\$736,293	\$	943,401			-2.2%	28.1%		25.3%
Instructional Materials, Equipment & Technology	\$2,157,754	\$2,062,982	\$	2,298,904			-4.4%	11.4%		6.5%
Guidance, Counseling & Testing	\$1,972,631	\$2,109,763	\$	2,271,321			7.0%	7.7%		15.1%
Pupil Services	\$4,578,208	\$4,744,328	\$	4,633,256			3.6%	-2.3%		1.2%
Operations & Maintenance	\$5,908,428	\$6,148,844	\$	5,898,670			4.1%	-4.1%		-0.2%
Insurance, Retirement Programs & Other	\$8,918,967	\$9,773,862	\$	10,603,396			9.6%	8.5%		18.9%
Payments to Out of District Schools	<u>\$4,006,853</u>	<u>\$4,632,959</u>	\$	<u>4,508,129</u>			<u>15.6%</u>	<u>-2.7%</u>		<u>12.5%</u>
Total Expenditures	\$64,206,783	\$67,681,744	\$	\$71,662,512			5.4%	5.9%		11.6%
Total Average Membership, in and out of District	5,115.40	5,224.50		5,410.40						
Total Expenditure Per Pupil	\$12,552	\$12,955		\$13,245						

Comparative Per Pupil Expenditures, FY01-FY10 (Source: Department of Elementary & Secondary Education)

Per Pupil Expenditures:

Community	FY 01 (1)	FY 02 (2)	FY 03 (2)	FY 04 (2)	FY 05 (3)	FY 06 (3)	FY 06 (3)	FY 07 (3)	FY 08 (3)	FY 09 (3)	FY 10 (3)
Weston	\$11,018	\$10,909	\$11,404	\$12,077	\$14,414	\$16,073	\$16,073	\$16,467	\$17,017	\$18,023	\$18,591
Brookline	\$10,550	\$10,268	\$10,578	\$11,107	\$13,836	\$14,929	\$14,929	\$15,098	\$15,431	\$16,847	\$17,090
Newton	\$10,116	\$10,140	\$11,140	\$11,431	\$13,533	\$13,822	\$13,822	\$14,524	\$15,498	\$16,243	\$16,597
Concord	\$10,275	\$9,640	\$10,157	\$10,567	\$13,037	\$14,411	\$14,411	\$15,514	\$17,486	\$16,342	\$16,438
Lexington	\$9,568	\$9,482	\$9,686	\$8,797	\$11,929	\$12,600	\$12,600	\$12,768	N/A	\$15,368	\$15,862
Sherborn	\$9,936	\$8,195	\$9,211	\$8,992	\$10,061	\$15,559	\$15,559	\$12,250	\$14,121	\$14,121	\$15,784
Framingham	\$8,986	\$8,945	\$9,699	\$10,518	\$13,681	\$13,621	\$13,621	\$14,169	\$14,621	\$15,373	\$15,675
Dover	\$9,942	\$8,603	\$9,856	\$10,253	\$12,786	\$15,559	\$15,559	\$14,615	\$15,084	\$16,591	\$15,646
Wellesley	\$9,298	\$9,244	\$9,589	\$9,802	\$11,243	\$11,494	\$11,494	\$12,776	\$13,916	\$14,330	\$15,392
Wayland	\$8,743	\$8,711	\$10,042	\$9,944	\$11,599	\$12,317	\$12,317	\$13,214	N/A	\$14,342	\$15,219
Dedham	\$8,783	\$8,524	\$8,761	\$9,488	\$11,637	\$12,594	\$12,594	\$13,393	\$13,893	\$14,837	\$14,852
Westwood	\$8,839	\$8,976	\$9,564	\$9,747	\$11,592	\$11,885	\$11,885	\$12,436	\$13,305	\$13,679	\$13,814
Needham	\$8,847	\$8,434	\$8,721	\$9,004	\$10,788	\$11,291	\$11,291	\$12,070	\$12,552	\$12,955	\$13,245
State	\$7,874	\$8,005	\$8,273	\$8,591	\$10,626	\$11,211	\$11,211	\$11,865	\$12,497	\$13,055	\$13,064
Natick	\$8,364	\$8,088	\$9,319	\$8,637	\$10,290	\$11,092	\$11,092	\$11,829	N/A	\$12,926	\$12,910
Norwood	\$7,598	\$7,246	\$7,894	\$8,004	\$10,648	\$11,028	\$11,028	\$12,052	N/A	\$12,993	\$12,790
Holliston	\$7,081	\$7,437	\$8,055	\$7,938	\$9,524	\$10,193	\$10,193	\$10,856	\$11,217	\$11,604	\$12,186
Walpole	\$6,940	\$7,641	\$7,230	\$7,603	\$9,437	\$10,277	\$10,277	\$10,470	\$11,232	\$11,812	\$11,971
Hopkinton	\$6,724	\$7,031	\$8,254	\$8,176	\$9,497	\$10,544	\$10,544	\$11,114	\$11,365	\$11,551	\$11,921
Winchester	\$8,390	\$7,937	\$8,278	\$8,646	\$9,884	\$10,139	\$10,139	\$10,886	\$10,865	\$11,290	\$11,363
Medfield	\$6,046	\$6,114	\$6,517	\$6,761	\$8,082	\$8,597	\$8,597	\$9,472	\$9,967	\$10,542	\$10,741
Average of 20	FY01	FY02	FY03	FY04	FY05	FY06	FY06	FY07	FY08	FY09	FY10
Needham	\$8,758	\$8,551	\$9,154	\$9,337	\$11,339	\$12,345	\$12,345	\$12,754	\$13,450	\$14,039	\$14,341
State Average	\$8,847	\$8,434	\$8,721	\$9,004	\$10,788	\$11,291	\$11,291	\$12,070	\$12,552	\$12,955	\$13,245
	\$7,874	\$8,005	\$8,273	\$8,591	\$10,626	\$11,211	\$11,211	\$11,865	\$12,497	\$13,055	\$13,064

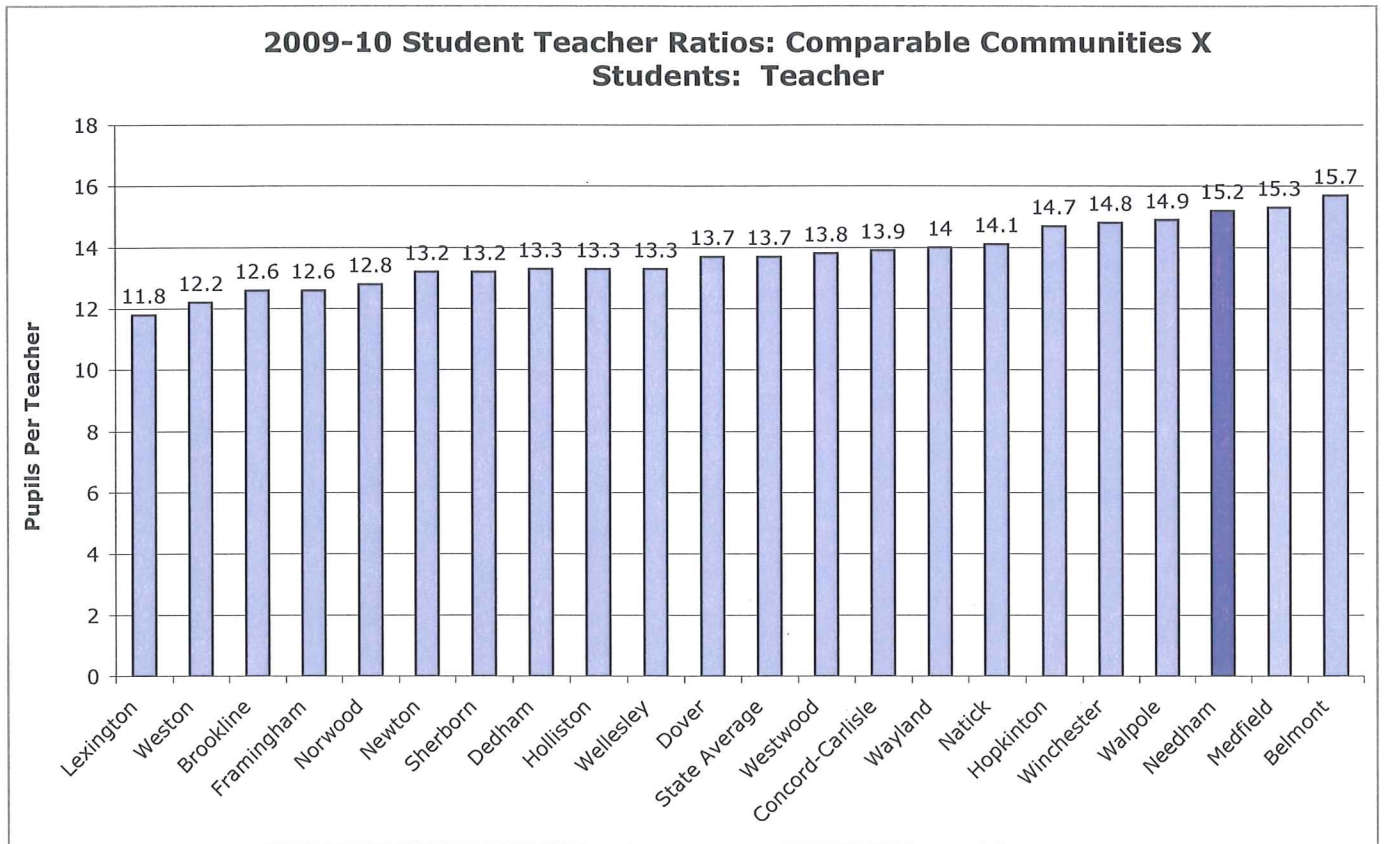
(1) Source: Massachusetts Department of Education. These figures represent "total intergrated education costs" divided by "net average membership," as a measure of "the average cost of education for all children residing in a community, regardless of the district where they attend." Total integrated expenditures include school operating, grant and revolving fund expenditures; all related educational costs incurred by Town Departments (such as benefit and administrative overhead), tuition paid to other schools, and the Minuteman assessment. Net average membership is the sum of pupils in local schools, other public school districts and in special needs day and residential programs.

(2) Source: Massachusetts Department of Education. The integrated Cost Per Pupil calculation was discontinued in FY02. Beginning in FY02, Per Pupil Expenditures exclude children being educated outside of the district. Similarly, tuition, regional district spending, and other payments for out-of-district pupils no longer are factored into the per pupil spending statistic.

(3) Source: Massachusetts Department of Education. Beginning FY05, the per pupil expenditure methodology was changed to include all school-related expenses, including costs for local resident pupils educated out of district and municipal expenses on behalf of the schools. Expenditures also are calculated for specific functional areas.

Staffing Ratios

The high value per dollar expended of Needham education also is demonstrated by the following staffing ratio charts, which show that, in FY10, there are more students assigned to each teacher in Needham, on average, than in most surrounding communities and in the state, overall. Needham's average student to teacher ratio (15.2:1, which includes special education classrooms) also is higher than the average ratio from comparable communities (13.7:1.) Source: MA Department of Education



Plans of High School Graduates:

Plans of High School Graduates (Percent)

Year	Number of Graduates	Four Year Colleges (%)	Two Year Colleges (%)	Military (%)	Work (%)	Other (%)
2010	357	93.4	3.1	0.3	1.0	2.2
2009	304	93.0	0.7	0.0	1.0	5.2
2008	339	93.0	1.5	0.6	2.1	2.7
2007	323	94.0	1.0	0.0	1.0	4.0
2006	320	93.0	0.9	0.6	1.9	1.6
2005	332	90.3	3.0	0.6	4.5	1.6
2004	289	90.3	4.2	0.3	4.1	1.1
2003	301	92.0	2.7	0.3	3.4	1.6
2002	260	85.7	5.0	1.5	6.6	1.2
2001	272	88.2	2.6	3.0	3.3	2.9
2000	267	86.9	3.4	1.5	2.6	5.6
1999	246	83.7	3.7	1.2	8.1	0.0
1998	256	89.9	1.2	0.0	4.3	0.1
1997	231	84.5	2.6	1.3	1.3	6.9
1996	229	79.6	8.3	0.0	1.7	7.0
1995	231	86.7	5.2	0.4	2.1	2.6
1994	227	82.9	4.8	1.3	0.9	4.4

Source: Needham Public Schools, Office of Student Development & Program Evaluation

State and National Testing Results:

Ten Year Comparison of SAT Scores:

Comparison of SAT Scores

Test/ Region	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Writing	This test was first administered in 2006									
Needham						589	591	612	598	610
State						510	511	513	510	509
National						497	494	494	494	492
Verbal										
Needham	586	577	577	586	587	586	588	594	594	602
State	511	512	516	518	520	513	513	514	514	512
National	506	504	507	508	508	503	502	502	501	501
Math										
Needham	603	596	596	597	598	594	590	602	603	610
State	515	516	522	523	520	524	522	525	526	526
National	514	516	519	518	523	518	515	515	515	516
Combined										
Needham	1189	1173	1173	1183	1185	1769	1769	1808	1795	1822
State	1026	1028	1038	1041	1040	1547	1546	1552	1550	1547
National	1020	1020	1026	1026	1031	1518	1511	1511	1510	1509

Source: College Board and Needham Public Schools, Office of Student Development & Program Evaluation

Massachusetts Comprehensive Assessment System (MCAS) Test Score Summary:

The purpose of the MCAS tests is to increase student achievement and improve instructional practice across all grades. All fourth, eighth, and tenth grade students are required to take these tests under the 1993 Education Reform Law. The tests are based on newly established learning standards for all public schools in the Commonwealth of Massachusetts. The tests were administered for the first time in 1998.

MCAS Language Arts:

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Imp'vment (%)	Failing/ Warning (%)
10-2010	Needham	100	51	42	5	2
	State	100	26	52	18	4
08-2010	Needham	99	32	61	5	1
	State	101	17	61	16	7
07-2010	Needham	100	27	64	7	2
	State	100	11	61	21	7
06-2010	Needham	100	30	59	9	2
	State	99	15	54	21	9
05-2010	Needham	101	27	57	15	2
	State	101	16	47	28	10
04-2010	Needham	101	19	54	26	2
	State	101	11	43	35	12
03-2010	Needham	100	25	58	14	3
	State	101	14	49	30	8
10-2009	Needham	100	59	37	3	1
	State	100	29	52	15	4
08-2009	Needham	100	25	70	4	1
	State	99	15	63	15	6
07-2009	Needham	100	29	61	9	1
	State	100	14	56	23	7
06-2009	Needham	99	31	55	11	2
	State	99	16	50	24	9
05-2009	Needham	99	26	58	14	1
	State	100	15	48	29	8
04-2009	Needham	100	16	53	28	3
	State	99	11	42	35	11
03-2009	Needham	100	21	53	24	2
	State	100	12	45	33	10
10-2008	Needham	100	59	36	3	2
	State	99	23	51	21	4
08-2008	Needham	100	22	67	8	3
	State	100	12	63	18	7
07-2008	Needham	99	29	62	6	2
	State	100	12	57	23	8
06-2008	Needham	99	35	54	9	1
	State	99	15	52	24	8
05-2008	Needham	100	23	62	13	2
	State	99	13	48	30	8
04-2008	Needham	99	12	50	34	3
	State	101	8	41	39	13
03-2008	Needham	100	28	48	21	3
	State	100	15	41	33	11
10-2007	Needham	101	50	45	5	1
	State	101	22	49	24	6
08-2007	Needham	100	25	69	5	1
	State	99	12	63	18	6
07-2007	Needham	99	21	67	9	2
	State	100	9	60	23	8
06-2007	Needham	101	17	71	12	1
	State	99	9	58	25	7
05-2007	Needham	100	37	50	11	2
	State	100	15	48	28	9
04-2007	Needham	100	17	60	21	2
	State	100	10	46	34	10

Source: Needham Public Schools, Office of Student Development & Program Evaluation

MCAS Reading:

Grade/ Year	Enrolled	% Tested	Above Proficient (%)	Proficient (%)	Needs Imp'vment (%)	Warning (%)
03-2010	Needham State		No Reading in 10			
03-2009	Needham State		No Reading in 09			
03-2008	Needham State		No Reading in 08			
03-2007	Needham State		No Reading in 07			
03-2006	Needham State	100 100	32 18	46 40	20 34	1 8
03-2005	Needham State	99 99	N/A N/A	80 62	19 31	1 7
03-2004	Needham State	100 99	N/A N/A	78 63	19 30	3 6
03-2003	Needham State	99 99	N/A N/A	73 63	23 30	4 7
03-2002	Needham State	99 98	N/A N/A	78 67	20 27	2 6
03-2001	Needham State	100 100	N/A N/A	82 62	16 31	2 7

Source: Needham Public Schools, Office of Student Development & Program Evaluation

MCAS Mathematics:

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Imp'vment (%)	Failing/ Warning (%)
10-2010	Needham	99	77	15	5	2
	State	99	50	25	17	7
08-2010	Needham	100	46	36	12	6
	State	100	22	29	28	21
07-2010	Needham	100	26	58	11	5
	State	99	14	39	27	19
06-2010	Needham	101	44	35	15	7
	State	100	27	32	25	16
05-2010	Needham	100	39	37	19	5
	State	100	25	30	28	17
04-2010	Needham	100	24	40	33	3
	State	100	16	32	41	11
03-2010	Needham	100	44	38	15	3
	State	100	25	40	24	11
10-2009	Needham	100	80	13	5	2
	State	100	46	28	18	8
08-2009	Needham	100	43	39	13	5
	State	99	20	28	28	23
07-2009	Needham	99	36	39	19	5
	State	100	16	33	30	21
06-2009	Needham	100	39	39	17	5
	State	100	24	33	27	16
05-2009	Needham	100	39	37	21	3
	State	101	22	32	29	18
04-2009	Needham	100	22	43	32	3
	State	100	16	32	41	11
03-2009	Needham	99	33	45	15	6
	State	100	20	40	25	15
10-2008	Needham	99	78	15	5	1
	State	100	43	29	19	9
08-2008	Needham	100	38	35	18	9
	State	100	19	30	27	24
07-2008	Needham	99	32	45	18	4
	State	100	15	32	29	24
06-2008	Needham	100	46	35	15	4
	State	100	23	33	26	18
05-2008	Needham	100	39	35	23	3
	State	99	22	30	30	17
04-2008	Needham	100	29	34	33	4
	State	100	20	29	38	13
03-2008	Needham	100	40	41	15	4
	State	100	25	36	25	14
10-2007	Needham	100	74	17	8	1
	State	100	42	27	22	9
08-2007	Needham	101	39	35	19	8
	State	100	17	28	30	25
07-2007	Needham	100	38	40	16	6
	State	100	15	31	30	24
06-2007	Needham	100	32	46	18	4
	State	100	20	32	28	20
05-2007	Needham	100	40	40	16	4
	State	100	19	32	31	18
04-2007	Needham	100	30	33	34	3
	State	100	19	29	39	13
03-2007	Needham	100	32	50	15	3
	State	100	19	41	24	16

Source: Needham Public Schools, Office of Student Development & Program Evaluation

MCAS History & Social Science:

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Imp'vment (%)	Warning (%)
2010	No History / Social Science Testing in 2010					
2009	No History / Social Science Testing in 2009					
2008	No History / Social Science Testing in 2008					
2007	No History / Social Science Testing in 2007					
2006	No History / Social Science Testing in 2006					
2005	No History / Social Science Testing in 2005					
2004	No History / Social Science Testing in 2004					
2003	No History / Social Science Testing in 2003					
08-2002	Needham	98	3	27	59	11
	State	98	1	11	46	22
08-2001	Needham	99	4	21	63	11
	State	100	1	10	48	41

Source: Needham Public Schools, Office of Student Development & Program Evaluation

MCAS Science & Technology:

Grade/ Year	Enrolled	% Tested	Advanced (%)	Proficient (%)	Needs Improvement (%)	Failing (%)
05-2010	Needham	100	19	55	25	1
	State	100	15	38	36	11
08-2010	Needham	100	10	54	32	4
	State	100	4	36	41	19
10-2010	Needham	100	38	52	8	2
	State	101	18	47	28	8
05-2009	Needham	100	20	41	36	3
	State	100	17	32	39	12
08-2009	Needham	100	10	54	31	5
	State	100	4	35	40	21
10-2009	Needham	100	46	42	11	1
	State	99	16	45	29	9
05-2008	Needham	100	22	39	36	3
	State	100	17	33	38	12
08-2008	Needham	99	5	59	29	6
	State	100	3	36	39	22
10-2008	Needham	100	31	56	11	2
	State	100	14	43	31	12
09-2007	Needham	100	31	57	11	1
	State	100	8	34	34	24
10-2007	Needham	100	27	45	20	8
	State	90	14	24	30	22
10-2006	No Science/ Technology Testing in 2006					
08-2006	Needham	100	13	53	26	8
	State	100	4	28	43	25
05-2006	Needham	100	26	39	32	2
	State	100	17	33	39	11
04-2006	No Science/ Technology Testing in 2006					
10-2005	No Science/ Technology Testing in 2005					
08-2005	Needham	100	11	50	27	12
	State	98	4	29	41	26
05-2005	Needham	99	24	42	30	4
	State	99	16	35	38	12
04-2005	No Science/ Technology Testing in 2005					
10-2004	No Science/ Technology Testing in 2004					
08-2004	Needham	100	18	48	25	10
	State	99	5	28	36	31
05-2004	Needham	100	29	45	24	2
	State	99	20	35	33	13
04-2004	No Science/ Technology Testing in 2004					
10-2003	No Science/ Technology Testing in 2003					
08-2003	Needham	100	10	50	30	9
	State	98	4	28	37	31
05-2003	Needham	98	31	41	24	5
	State	99	18	33	34	15
04-2003	No Science/ Technology Testing in 2003					

Source: Needham Public Schools, Office of Student Development & Program Evaluation

Class of 2010 Profile: Schools Attended by G.P.A. & SAT

5.0-4.75(CR729,M731,W731)

Boston University
Brigham Young University
Brown University
Colby College (2)
Colgate University
College of William and Mary
Cornell University
Duke University
Georgetown University
Haverford College
Kenyan College
Lehigh University
New York University
Pomona College
Princeton University
Tufts University
University of Chicago
University of Massachusetts, Amherst
University of Michigan
University of Pennsylvania
Yale University (2)

4.74-4.50(CR677,M698,W703)

Babson College
Bates College
Boston College (3)
Case Western Reserve University
Colby College
Columbia University
College of the Holy Cross
Connecticut College (2)
Haverford University
Loyola University Maryland
Siena College
Skidmore College
Smith College
Tufts University (4)
University of Delaware
University of Massachusetts, Amherst (2)
University of Pennsylvania
University of Rochester
Vanderbilt University
Vassar College
Villanova University (2)
Wake Forest University
Washington University in St. Louis (2)
Wesleyan University
Williams College

4.49-4.25(CR632,M649,W665)

Babson College

Bates College (2)
Boston College (2)
Boston University (2)
Bucknell University
Colby College
College of the Holy Cross (2)
Connecticut College (4)
Cornell College
Dickinson College
Elon University
Ithaca College
Lehigh University
New York University
Northeastern University (5)
Pennsylvania State University (2)
Rensselaer Polytechnic University
Rhodes College
Skidmore College
Syracuse University
The College of Woster
Trinity College
Union College
University of Connecticut (2)
University of Illinois at Urbana-Champaign
University of Maryland (2)
University of Massachusetts, Amherst (3)
University of Michigan
University of New Hampshire
University of Rochester (2)
University of Vermont
University of Wisconsin (2)
Villanova University
Washington University in St. Louis (2)

4.24-4.0 (CR604,M627,W626)

Babson College
Boston College
Boston University (3)
Brandeis University
Colorado College
Denison University
Dickinson College
Fairfield University
Franklin W. Olin College of Engineering
Ithaca College
Lafayette College
Loyola University - Maryland
James Madison University
New York University
The George Washington University
Northeastern University (3)

Perdue University
Saint Anselm University
Saint Michaels College
Skidmore College
Syracuse University (4)
The George Washington University (3)
Tulane University
Union College
University of California at Santa Barbara
University of Connecticut (2)
University of Delaware
University of Illinois at Urbana-Champaign
University of Maryland
University of Massachusetts, Amherst (12)
University of New Hampshire
University of Richmond (2)
University of Rochester
University of Toronto
University of Vermont (3)
Wheaton College

3.99-3.75 (CR595,M582,W585)

Aldephi University
Alfred University
Burklee College of Music
Boston University (2)
Bucknell University
Clemson University
College of Charleston
Creighton University
Fitchburg State College
Framingham State College
George Mason University
Gettysburg College
Lawrence University
Northeastern University (2)
Pennsylvania State University
Providence College
Salve Regina University
Simmons College
Syracuse University
University of Connecticut (2)
University of Maryland
University of Massachusetts, Amherst (9)
University of Vermont (3)
Wentworth Institute of Technology (2)
Wheaton College

Class of 2010 Profile: Schools Attended by G.P.A. & SAT

3.74-3.50(CR562,M556,W552)

Binghamton University
Boston University
College of Charleston
Drew University
Hampshire College
Hobart and William Smith Colleges
Loyola University Maryland
Merrimack College
Ohio Wesleyan University
Regis College
San Diego State University
Stonehill College (2)
Susquehanna University
Syracuse University
University of Colorado at Boulder
University of Colorado at Colorado Springs
University of Massachusetts, Amherst (4)
University of New Hampshire (3)
University of Ottawa
University of Rhode Island (2)
University of Vermont
Wentworth Institute of Technology
Westfield State College

3.49&Below(CR521,M522,W512)

Alfred University
Arizona State University
Asbury College
Bay Path College
Becker College
Bennington College
Boston University
Bridgewater State College (3)
Coastal Carolina University (2)
Curry College
Dean College
Drew University
Emmanuel College
Fisher College
Fitchburg State College
Framingham State College (2)
Franklin Pierce University
Johnson & Wales University (3)
Massachusetts Bay Community College (8)
Massachusetts College of Liberal Arts
Massachusetts College of Pharmacy & Health Services

Massachusetts Maritime Academy
Michigan State University
Montana State University, Bozeman
Newbury College
Northeastern University (2)
Nova Southeastern University
Otterbein College
Plymouth State University
Rochester Institute of Technology
Roger Williams University (5)
Sacred Heart University
Saint Michaels College
Salem State College
Salve Regina University
Syracuse University
The Art Institute of Houston
The Evergreen State College
The University of Tampa
The University of the Arts
University of California at Davis
University of Colorado at Boulder
University of Hartford (3)
University of Massachusetts, Amherst
University of Massachusetts, Boston (3)
University of Massachusetts, Lowell (4)
University of New Hampshire
University of New Haven
University of Vermont
Wentworth Institute of Technology (2)
West Virginia University (2)
Western New England College
Westfield State College (5)
Wheeling Jesuit University
Whittier College
Wittenberg University
Worcester State College

Grants Summary: FY01 – FY11

GRANT SUMMARY											
	FY '01	FY '02	FY '03	FY '04	FY '05	FY '06	FY '07	FY '08	FY '09	FY '10	FY '11
MA DOE - Entitlement	\$1,311,325	\$1,650,684	\$1,777,928	\$1,780,064	\$1,930,409	\$2,058,483	\$2,177,913	\$2,206,476	\$2,186,856	\$2,203,163	\$2,201,943
MA DOE - ARRA Entitlement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$643,484	\$1,188,803	\$1,287,891
MA DOE - Competitive/Continuation	\$254,165	\$213,975	\$185,789	\$147,838	\$84,047	\$34,805	\$19,600	\$12,700	\$12,100	\$10,900	\$17,300
Other/ Foundation	\$262,774	\$263,078	\$216,412	\$204,240	\$166,950	\$234,555	\$362,597	\$382,454	\$285,061	\$202,446	\$388,450
Total All Grants	\$1,828,264	\$2,127,737	\$2,180,129	\$2,132,142	\$2,181,406	\$2,327,843	\$2,560,110	\$2,601,630	\$3,127,501	\$3,605,312	\$3,895,584
% increase over previous year total	39%	16%	2%	-2%	2%	7%	10.0%	1.6%	20.2%	15.3%	8.1%

GRANT DETAIL

Mass.DOE -- State/Federal Entitlement	FY '01	FY '02	FY '03	FY '04	FY '05	FY '06	FY '07	FY '08	FY '09	FY '10	FY '11
SPED 94-142 (Federal)	377,230	\$562,643	\$688,820	\$825,667	\$956,645	\$1,027,201	\$1,033,324	\$1,059,524	\$1,081,786	\$1,156,627	\$1,196,241
SPED Early Childhood Education	36,010	\$36,777	\$36,735	\$36,443	\$36,215	\$35,967	\$35,971	\$36,007	\$35,079	\$35,108	\$35,177
SPED Supporting Access to the Curriculum	35,939	\$44,850	\$48,015	\$35,952	\$25,121	\$15,000	\$42,752	\$29,885	\$16,417	\$0	\$0
METCO	603,640	\$621,160	\$624,040	\$573,160	\$633,475	\$736,821	\$838,128	\$870,157	\$839,875	\$798,641	\$766,561
TITLE IID - Technology*	12,076	\$12,798	\$7,761	\$5,555	\$5,181	\$3,833	\$1,927	\$2,022	\$2,276	\$2,278	\$0
Title IIA - Improving Educator Quality*			\$85,040	\$84,317	\$80,937	\$80,680	\$79,005	\$79,473	\$82,135	\$82,448	\$81,328
Title V - Innovative Programs*			\$13,200	\$12,936	\$9,862	\$6,776	\$3,396	\$3,460	\$0	\$0	\$0
Title IV -- Safe and Drug Free Schools*	20,806	\$20,276	\$18,488	\$16,897	\$16,014	\$15,390	\$14,679	\$13,384	\$13,628	\$11,809	\$5,476
Title I (academic assistance - low-income students)	85,505	\$171,862	\$209,262	\$140,968	\$106,846	\$96,106	\$80,647	\$80,433	\$81,840	\$88,343	\$89,969
LEP Summer Support/ Title III											\$2,953
Class Size Reduction Program	34,390	\$42,549	Now IIA&V				\$12,000				
SPED Corrective Action					\$6,000						
SPED Program Review (audit prep)					\$3,500						
Early Childhood Curriculum/IEP Study Group					\$3,285						
Early Childhood Increasing Capacity				\$0							
Early Childhood Mental Health					\$395						
Limited English Proficient Assessments					\$32,387						
Title I for Delinquent/Neglected* - Walker School		\$28,337		\$48,169	\$54,113	\$40,709	\$36,084	\$32,131	\$33,820	\$27,909	\$24,238
ARRA - SF5F Recovery Grant									\$643,484	\$580,867	\$457,937
ARRA - IDEA Special Education (School Age)										\$580,984	\$803,002
ARRA - IDEA Special Education (Preschool)										\$26,952	\$0
Education Jobs											
Subtotal	\$1,311,325	\$1,650,684	\$1,777,928	\$1,780,064	\$1,930,409	\$2,058,483	\$2,177,913	\$2,206,476	\$2,830,340	\$3,391,966	\$3,489,834

* all federal grants require equitable participation by Needham private schools -- St. Joseph's Elementary and Middle Schools, and Walker School are participating in Title IIA, Title IID, Title IVA, Title V. Walker School also generated an additional Title I appropriation, as noted. St. Sebastian's elected not to participate.

Massachusetts DOE -- State/Federal Competitive	FY '01	FY '02	FY '03	FY '04	FY '05	FY '06	FY '07	FY '08	FY '09	FY '10	FY '11
Technology Enhancement*			\$119,549	\$119,549		\$3,830	\$4,700	\$12,700	\$12,100	\$10,900	\$9,800
Academic Support Services (MCAS Tutoring)	36,100	\$28,700	\$31,400	\$3,200	\$2,553						
Community Service Learning	16,000	\$16,000	\$16,000	\$10,000	\$12,000						
Full-Day Kindergarten Enhancement	18,000	\$18,000	\$15,840	\$15,089	\$29,494	\$14,975	\$14,900				
Early Childhood Mental Health					\$40,000	\$16,000					
Early Childhood Language & Literacy Development		\$0	\$3,000								\$7,500
Project FOCUS: Empowering SPED											
Subtotal	\$254,165	\$213,975	\$185,789	\$147,838	\$84,047	\$34,805	\$19,600	\$12,700	\$12,100	\$10,900	\$17,300

* Of the \$119,549, \$73,000 supported a West Roxbury/Needham music technology project partnership, with \$27,000 goes to Boston Public Schools for equipment. The remaining \$19,549 was available to the private schools (St. Joseph's Elementary and Middle Schools, Walker School) for NCLB technology initiatives.

. A Community and School partnership that creates excited learners • inspires excellence • fosters integrity.

Grants Summary: FY01 – FY11 (continued)

OTHER GRANTS	FY '01	FY '02	FY '03	FY '04	FY '05	FY '06	FY '07	FY '08	FY '09	FY '10	FY '11
Corporate			\$60,000								
Mass Insight/Microsoft/Lesley test data analysis software donation											
Higher Education											
Harvard Volunteer Consulting Team	In-kind			In-kind	In-kind	In-kind		In-kind			
Olin College											
Foundation											
MetroWest Community Health Care Foundation	46,000	\$50,000	\$35,135	\$10,000	\$55,000	\$55,000	\$55,000	\$55,000	\$25,000	\$0	\$59,500
MetroWest Obesity Grant					\$32,650						
Needham Education Foundation Spring grants	73,174	\$44,376	\$57,710	\$38,754	\$32,252	\$32,252	\$30,923	\$26,769	\$7,592	\$29,191	\$73,410
Needham Education Foundation Autumn grants			\$75,135	\$33,477	\$28,941	\$28,941	\$39,207	\$65,240	\$40,342	\$51,895	\$28,276
Needham Education Foundation large grants	28,100	\$15,000	\$30,000	\$26,115	\$54,313	\$54,313	\$30,000	\$45,000	\$13,927	\$0	\$61,394
Needham Education Foundation Collaborative Init.							\$10,000	\$10,000	\$0	\$0	\$0
Needham Education Found Out of Cycle							\$9,000				
Jason Foundation											
MA Biotechnology Ed Found BioTech Award		In-kind	In-kind	In-kind			\$8,800	\$1,200	\$0	\$0	\$0
Smart Technologies							\$22,872				
Needham Cong Church-Steps to Success							\$18,000	\$23,600	\$0	\$0	\$0
Norfolk County District Attorney's Office											
Post-Graduation Safe Activities		\$250	\$250				\$250	\$250	\$0	\$0	\$0
MA Department of Public Health											
Enhanced School Health Services	106,000	\$106,000	\$66,027	\$58,604	\$64,049	\$64,049	\$72,395	\$72,395	\$148,000	\$121,360	\$121,360
DPH Public Health (Pass Through)								\$25,000	\$0	\$0	\$0
U.S. Department of Education											
Project SERV – Suicide							\$25,500				
U.S. Environmental Protection Agency											
Environmental Education - Science Center											\$44,510
MA Cultural Council											
Creative Schools Program		\$11,452					\$8,000	\$8,000	\$200		
Yellow Bus											
MA Travel & Tourism (Riverside Contract)								\$50,000			
Subtotal	\$262,774	\$263,078	\$216,412	\$204,240	\$166,950	\$234,555	\$362,597	\$382,454	\$285,061	\$202,446	\$388,450

Revolving (Fee-Based) Funds: FY08 – FY11

REVOLVING FUND	FY08 CURRENT REVENUE	FY08 TOTAL EXPENDED	FY08 ENDING BALANCE	FY09 CURRENT REVENUE	FY09 TOTAL EXPENDED	FY09 ENDING BALANCE	FY10 CURRENT REVENUE	FY10 TOTAL EXPENDED	FY10 ENDING BALANCE	NOTE
FEE BASED TRANSPORTATION	459,502	334,549	443,309	474,726	457,415	460,620	439,593	424,884	475,328	(1)
PRODUCTION CENTER FEE-BASED	16,451	15,921	9,856	12,559	15,410	7,005	13,365	20,371	0	(1)
BROADMEADOW LEASE	6,147	6,147	0	9,592	9,592	0	9,304	9,304	0	
BROADMEADOW BOOK/EQUIPMENT			0			0			0	
ELIOT LEASE	758	758	0	7,031	7,031	0	7,192	7,192	0	
ELIOT BOOK/EQUIPMENT SALES	672	495	339	705	646	398	604	539	463	
HILLSIDE LESLEY INTERNS	22,500	21,112	2,938	43,500	29,573	16,865	28,120	39,746	5,239	
MITCHELL LEASE	7,866	7,866	-	12,260	11,860	400	12,709	13,109	-	
NEWMAN LEASE	13,701	13,474	228	13,590	13,817	1	15,617	15,617	1	
NEWMAN BOOK/EQUIPMENT SALE	992	1,007	0	946	909	38	911	-	948	
HIGH ROCK LOST BOOKS				Reallocate from Pollard		162			162	
HIGH ROCK OVERNIGHT CAMP	73,925	74,147	3	93,374	88,809	4,568	93,952	98,366	154	
HIGH ROCK BOOK/EQUIPMENT SALES				Reallocate from Pollard		1,474	2,060	-	3,534	
POLLARD JAPAN EXCHANGE	627	-	2,505	1,490	3,333	662	-	-	662	
POLLARD BOOK/EQUIPMENT SALES	5,508	10,344	30	9,961	5,569	2,948	3,551	3,324	3,175	
POLLARD LOST BOOKS	1,002	2,276	2,276	709	2,500	324	759	341	742	
HIGH SCHOOL TESTING	47,477	44,645	7,189	50,025	48,457	8,757	53,941	53,885	8,813	
HIGH SCHOOL BOOK/EQUIPMENT SALES	3,640	3,746	1,108	7,651	7,605	1,154	5,770	5,703	1,220	
HIGH SCHOOL LOCKERS	-	-	4,242	-	3,238	1,004	-	-	1,004	
HIGH SCHOOL TEXTBOOK RECOVERY	2,758	3,082	8,649	2,495	4,872	6,273	2,788	3,571	5,490	
HIGH SCHOOL PARKING	25	5,755	4,825	-	2,138	2,687	4,376	6,060	1,003	
HIGH SCHOOL NON-RESIDENT TUITION	-	-	212	16,928	1,277	15,863	-	5,286	10,577	
SPED OUT-OF-DISTRICT TUITION	49,382	46,882	284	48,455	48,460	279	22,548	17,748	5,079	
SPED NON-RESIDENT TUITION	119,034	119,346	183	65,927	63,952	2,158	74,100	64,261	11,998	
INTEGRATED PRESCHOOL	127,433	189,523	2,154	176,721	132,416	46,459	296,564	235,626	107,397	(2)
SCIENCE CENTER	90	319	1,470	20	220	1,270	-	285	985	
MEDIA RECOVERY	1,343	1,389	1,299	2,186	1,115	2,371	2,143	2,274	2,240	
SCH PERFORMING GROUPS	4,994	5,410	16,443	38,799	25,007	30,235	20,083	13,431	36,887	
FEE-BASED ARTS INSTRUCTION	203,180	197,011	25,527	212,135	229,192	8,470	191,714	195,911	4,273	
FINE & PERFORMING ARTS SALES TO STUDENTS	18,913	10,761	24,490	(379)	15,941	8,170	9,315	12,616	4,868	
GRAPHIC ARTS	47,530	46,278	44,716	54,350	62,031	37,035	59,577	66,804	29,808	
MUSICAL	16,899	21,677	12,220	21,877	21,186	12,911	18,197	17,355	13,754	
WORLD LANGUAGES FEE-BASED	4,937	4,889	171	2,906	2,011	1,066	5,733	6,766	34	
KINDERGARTEN AFTER SCHOOL ENRICH (KASE)	827,371	701,244	578,941	973,343	770,250	782,034	884,363	1,057,505	608,891	(3)
ELEMENTARY AFTER SCHOOL ENRICH (EASE)	90,025	92,211	18,099	85,898	84,811	19,185	92,374	103,268	8,291	
POLLARD AFTER SCHOOL ENRICH (PAS)	56,010	54,019	2,010	62,186	54,129	10,067	65,421	69,516	5,972	
SUMMER SCHOOL	188,354	146,906	165,248	206,983	164,400	207,832	237,653	183,215	262,270	(4)
TUTORING	50	-	525	-	-	525	225	-	750	

Revolving (Fee-Based) Funds: FY08 – FY11 (continued)

REVOLVING FUND	FY08 CURRENT REVENUE	FY08 TOTAL EXPENDED	FY08 ENDING BALANCE	FY09 CURRENT REVENUE	FY09 TOTAL EXPENDED	FY09 ENDING BALANCE	FY10 CURRENT REVENUE	FY10 TOTAL EXPENDED	FY10 ENDING BALANCE	NOTE
SUMMER SPORTS CLINICS	5,076	(4,101)	13,917	1,200	9,729	5,389	15,705	1,019	14,686	
METCO REVOLVING FUND	1,200	-	1,200	100	1,261	39	935	3,560	2,764	
METCO SUMMER SCHOOL	324,481	323,968	41,547	416,398	416,565	41,379	422,754	381,823	82,310	
HIGH SCHOOL ATHLETICS	1,824,567	1,528,702	920,882	1,825,725	1,858,945	887,663	1,903,329	1,840,099	950,893	(5)
FOOD SERVICES	185,243	177,073	54,944	229,907	203,232	81,618	223,276	237,199	67,695	
ADULT EDUCATION	8,970	11,375	9,212	24,815	21,613	12,414	13,793	5,266	20,940	
STAFF DEVELOPMENT										
GRAND TOTAL REVOLVING	4,768,630	4,217,931	2,423,192	5,207,093	4,900,515	2,729,769	5,254,412	5,222,845	2,761,336	

(1) Transportation balance represents fee pre-collection for next fiscal year. Fund also requires fund balance equivalent to 2-3 months operations for cash flow.

(2) Preschool balance represents fee pre-collections for summer and next fiscal year programs.

(3) KASE fund balance includes assigned balances: \$54,000 fee pre-collections, 3 months operations (\$279,149), Bus Contingency (\$34,000), benefits (\$55,000), 0.5 SPED Aide (\$18,000), School relocation expenses (\$2;

(4) Summer School fund balance represents pre-collection of fee revenues for summer classes in next fiscal year.

(5) Food Services fund balance restricted for 3 mo operating reserves (\$577,555), revenue pre-collections (95,000).