

Enrollment Analysis Report

2013-2014 to 2018-2019



Newton Public Schools
100 Walnut Street
Newtonville, MA 02460

November 2013

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EXECUTIVE SUMMARY

2013-14 ENROLLMENT ANALYSIS

EXECUTIVE SUMMARY

The Newton Public Schools have experienced nine consecutive years of enrollment growth, with 1,173 students added from 2005 to 2013; growth is expected to continue for the next five years. Over the nine years, the steepest growth has occurred during the past four years with the addition of 834 students, or 7% since 2009-10. Current 2013-14 enrollment of 12,441 has risen by 2.2% since last year – the greatest single year percentage change in 20 years. The district is expected to increase by 668 students (5%) over the next five years, with 35% of expected growth at the elementary and middle schools – a total of 237 students. The majority of growth (65%, 431 students) will occur at the high schools as the larger middle school population moves to high school.

This school year is a peak enrollment year for students currently enrolled as English Language Learners. There are 911 ELL students in 2013-14, an increase of 133 students or 17% over last year and 40% over five years. The percentage of students with identified special needs has remained the same as last year at 19% of all district students.

This year's kindergarten population of 958 students is 24 students more than last year and is the largest since 1974, continuing a growth trend for four out of the past five years and as expected by a spike in birth data five years prior. The current elementary school population of 5,799 students, although only nine students larger than last year, is the highest since the 1970s. Net growth at the elementary schools is projected to continue for another four years although at a slower rate following an increase of 861 students, or 17%, since 2003-04. All elementary cohorts show more student entrances than exits, reflecting a pattern of movement into the city. However, enrollments in grades two and three are lower than projected this year due to fewer student entrances compared to exits than expected; grade two enrollment is 20 students less than projected and grade three enrollment is 12 students less than projected.

The middle schools have grown by 396 students (16%) from 2007-08 to the present; the current sixth grade class is the largest since 1980. The 2013-14 enrollment increase of 130 students is expected to be followed by net growth of an additional 95 students over the next five years. The high school growth trend that began in 2012-13 has resulted in an additional 225 students; over the next five years, growth of 431 students (11%) is expected. Larger cohorts are transitioning from middle to high school; last year's class of 889 eighth graders has grown to 954 grade nine students. By school year 2022-23, today's kindergarten class of 958 students will be high school freshmen with a projected class size of 1,096 students.

Current enrollment of 12,441 is one student above the projection made in November 2012. By grade level, the difference is made up of 52 fewer elementary school students, 17 more middle school students and 36 more high school students. This report details changes in enrollments by school since last year, and reviews current enrollments as compared with the November 2012 projections. Actual 2013-14 enrollments presented in this report have changed slightly from the Preliminary Enrollment Report of October 15, 2013, with a net increase of three students.

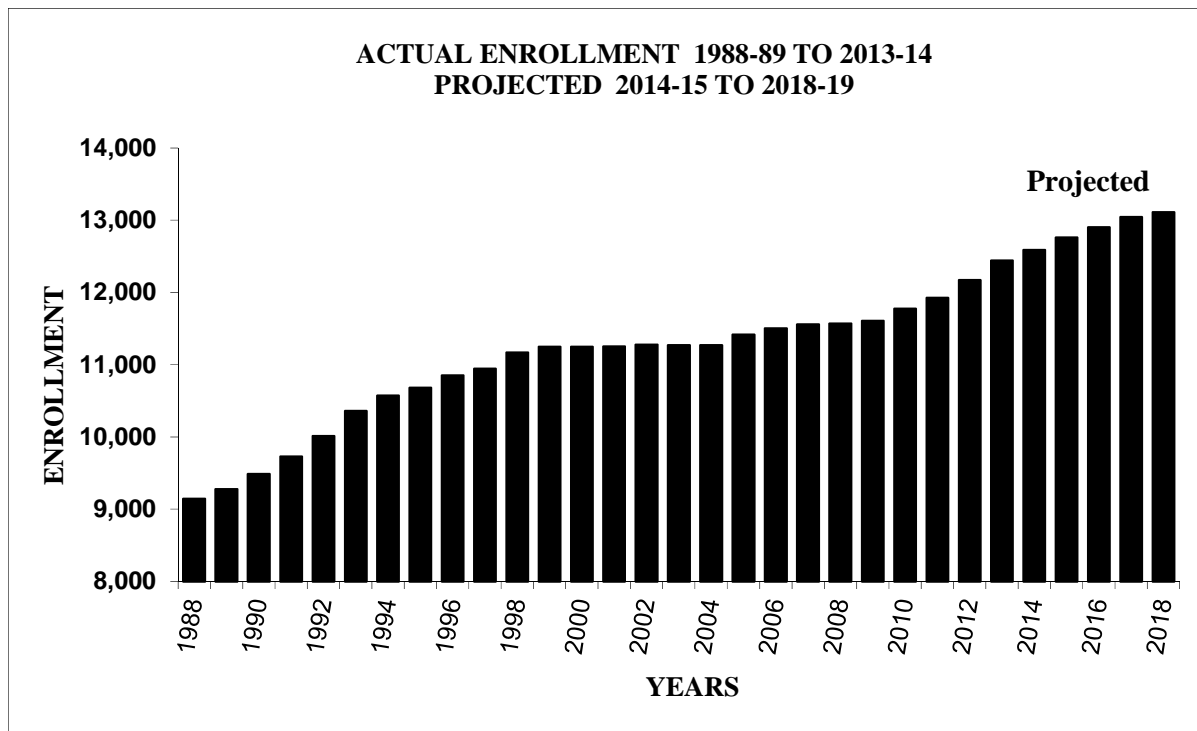
Future Enrollment

The traditional cohort survival method of enrollment projections using five-year historical data yields the projections for grades 1 through 12 on the following chart. The 2014-15 kindergarten projection has been calculated using an adjusted three-year average of the cohort survival ratio of children age 3 (as per city census data) to the kindergarten population two years later. See Section II entitled *Enrollment Projection Method* for more information and discussion of the full methodology used in this year’s forecast.

Level	Actual 2013-14	Projections Using 5 Year Ratios*				
		2014-15	2015-16	2016-17	2017-18	2018-19
Elementary	5,799	5,860	5,870	5,899	5,963	5,941
Middle	2,849	2,838	2,869	2,852	2,891	2,944
High School	3,793	3,891	4,019	4,150	4,188	4,224
Total	12,441	12,589	12,758	12,901	13,042	13,109

* The projection includes a separate forecast for kindergarten based on census trends over three years for the 2014-15 projection and three year averages for all other years.

The following graph is a representation of 31 years of enrollment in the Newton Public Schools, from 1988 to 2018, including projections from 2014 through 2018. The graph illustrates the trend of sustained increases during the 1990’s, followed by a six-year period of stability, until the growth trend of the past nine years and the projected growth trend for five additional years.



The Report

The five sections of the report and appendices provide detail of current enrollment and projections as follows:

- I. Enrollment Trends for the System, Elementary and Secondary - (pages 1-16) an in-depth look at system-wide and grade distribution projections.
- II. Enrollment Projection Method, Accuracy of Projections and Frequently Asked Questions - (pages 17-28) an overview that provides answers to commonly asked questions regarding the enrollment projection method.
- III. Enrollment History - (pages 29-37) a discussion of past enrollment trends for the district and for the elementary, middle, and high school grade configurations.
- IV. Individual School Reports - (pages 38-80) include information on current and projected enrollments by school and by grade and/or program.
- V. Student Exits and Entrances – (pages 81-91) provide data on student mobility in the prior 2012-13 school year including a recent survey of kindergarten parents in the district. Statistics are presented on students who have moved out of Newton, moved out of the country, left to attend private school or left due to a special education placement; and conversely, on students who have moved in from another Massachusetts community, from outside of the state, from outside of the country or from private school.

Appendices A through G (pages 92-105): Special enrollments including METCO, English Language Learners and students receiving special education services; elementary school students by district with buffer zones; data on City of Newton population growth by age group; current residential properties for sale in Newton by elementary school district and historical residential property sales; the New England School Development Council's (NESDEC) enrollment projections for Newton, discussed in detail in Section II; and total enrollment by high school feeder patterns. New this year is Appendix G concerning the planned Riverside Housing Development on Grove Street; the exhibit presents four scenarios to calculate projected numbers of school-aged children who could potentially live at Riverside based on experience ratios at four large housing complexes in Newton.

I. ENROLLMENT TRENDS

System-wide Projections

Elementary Projections

Secondary Projections

National, State and Local Trends

Housing Complexes

Real Estate Sales

I. ENROLLMENT TRENDS

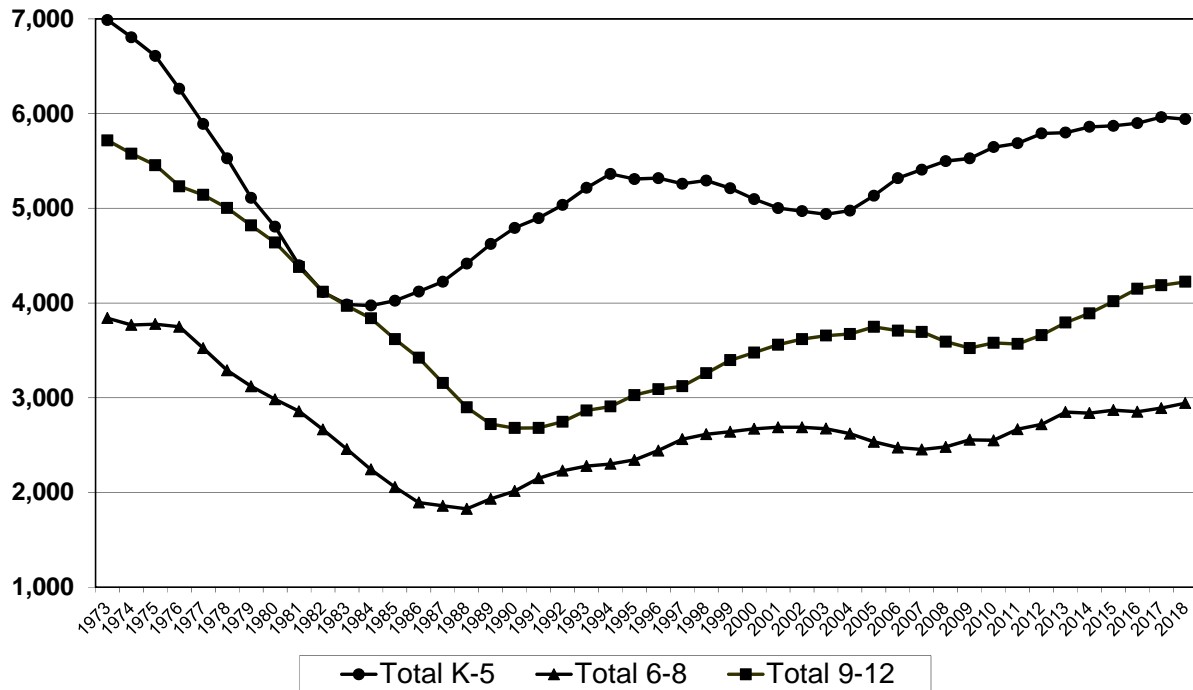
System-wide Projections

Enrollment for all schools is projected to increase by a net of 668 students during the next five years after growing by a net of 1,173 students since 2004-05 – total growth of 1,841 students (16%) over thirteen years. This trend is comparable to the eleven-year period of growth from 1989 to 1999 when the district’s population grew by over 2,000 to 11,248 students.

Tables 1 and 3 display by school and by grade the current enrollments for 2013-14 as well as projections for the next five years. Tables 2 and 4 are enrollment history and projections from 1974-75 to 2018-19, by school and by grade. Table 5 and Table 6 show enrollment changes by school and by grade level over various time periods including the projected years of 2014-15 through 2018-19. Tables 7, 8 and 9 provide grade level histories of enrollments from the past several decades as well as projected enrollments for 2014-15 to 2018-19.

The chart below provides an overview of five decades of enrollment trends with differences shown by grade level. *This school year and over the next five years, enrollment at all three grade levels will have net increases in student enrollment.* For the period of time depicted in the chart, this is the second time all three grade levels have experienced growth simultaneously.

**ENROLLMENT TRENDS
1973-74 TO 2018-19**



Elementary Projections

Elementary enrollment is expected to increase from 5,799 students to 5,860 students next year, an increase of 61 students. Enrollment projections are dependent on current student counts and trends from past years. For the current year, there has been an increase of only 9 elementary school students; since 2003-04, the population has grown by a total of 861 students, or 17%. Today's kindergarten enrollment is the highest in decades at 958 students; the average size of the kindergarten classes over the last three years has been 929 students. However, the number of kindergarten students is expected to decrease by 66 students next year to 892 in part because there were 101 fewer births to Newton residents five years ago as compared to the previous year. Please refer to Section II for an explanation of the kindergarten projection methodology which also takes into account city census data for children aged 0 to 5 years.

Refer to Section IV, Individual School Reports, for the elementary school projections by grade and by school and other enrollment details. Note that enrollments at 11 of the 15 elementary schools are expected to increase over the next five years. The largest increase is projected at Zervas (+38 students, or +12%); note the Zervas enrollment projection does not reflect changes in district assignments that will occur as part of the Zervas school building project. Increases are also projected for Memorial-Spaulding (+29 students, or +7%), Mason-Rice (+27 students, 6%) and Angier (+26 students, or +6%). Four elementary school districts are projected to decrease in population during this time period: Countryside (-44 students, or -10%), Cabot (-15 students, -4%), Lincoln-Eliot (-2 students) and Underwood (-2 students).

Appendix B, Table 6 lists student enrollment in buffer zones by school for this school year and last. The use of buffer zones is an effective way to ameliorate space constraints at the elementary schools. The Student Placement Policy Task Force, formed in May 2010, recommended that choice zones be renamed buffer zones with the school administration making the determination of space availability for requests between the schools in the district. Once a student from a buffer zone is placed in a school, he/she will follow the same feeder pattern as his/her peers in that school.

Secondary Projections

As expected, middle school enrollment is up by 130 students in 2013-14 (+5%), but is projected to decrease next year by 11 students, a decrease of -0.4%. Next year's incoming grade six is 67 students fewer than the prior year. Over the next five years, middle school enrollment is projected to grow by an additional 95 students to 2,944 students, compared with 2,849 students today.

This year's high school enrollment of 3,793 students has grown by 132 students since last year and is expected to increase for the next five years as the larger elementary and middle school populations move to high school. By 2018-19, a net increase of 431 high school students is expected. Both high schools will increase steadily over the next five years; enrollment projections show Newton North High School will increase by 209 students, or +10% and Newton South High School will increase by 222 students, or +12%. The difference in enrollment between the two high schools is expected to remain constant over the next five years, ranging from a high of 252 more students at North versus South in 2016-17 to a low of 233 more students at North in 2014-15; the split this school year is 237

students. Secondary data showing past, present and projected enrollments are presented in Table 9.

National, State and Local Trends

Although the U.S. Census Bureau continues to rank Massachusetts very low in expected school age population growth from 2000-2030, Newton’s enrollment projections and those of other communities near Boston are *not* typical of Massachusetts; enrollment in the Newton Public Schools and in nearby districts continues to increase. For purposes of comparison to Newton, the chart below shows the status of district enrollments over a recent five-year time period from 2007-08 to 2012-13 for seven communities, with the largest growth in Brookline.

Five Year Enrollment Growth in Surrounding Districts

School Year	Brookline	Watertown	Belmont	Needham	Lexington	Newton	Wellesley
2012-13	6,841	2,584	3,994	5,394	6,502	12,170	4,857
2007-08	5,906	2,362	3,707	4,989	6,196	11,556	4,678
Change	935	222	287	405	306	614	179
Percent	16%	9%	8%	8%	5%	5%	4%

Since the 2000 United States Census, the population of the City of Newton has increased by 1,300 residents and has grown to over 85,000. The updated population reflects the official 2010 Census released by the United States Census Bureau in April 2011.¹ Appendix C, Table 7 compares City of Newton data from the 2010 United States Census to the 2000 United States Census by age range; the 1990 Census is also shown.

On a national and regional level, the 2010 Census reported 308.7 million people in the United States, a 10% increase from the 2000 Census population of 281.4 million as compared to ten year population growth of only 2% in Newton and 3% statewide. The national increase of 10% over the last decade was lower than the 13% increase of the 1990’s and is similar to the magnitude of growth in the 1980’s. Nationally, 24% of the United States population is less than 18 years of age, 7% of which accounts for children under five years old. This reflects a national school age demographic of 18% of the total population; in contrast, the school age demographic for both Massachusetts and Newton is 16%.

Rental Housing Complexes

The Riverside proposal from developer BH Normandy Riverside LLC was approved by the Board of Aldermen in October 2013, including approval for special permits and zoning changes. The nine acre parcel includes plans for 290 residential apartments as well as a multi-story office building, parking garage and two-story retail and community building. Based on the proposed number and mix of units – 7% studio, 53% one-bedroom, 35% two-bedroom, and 5% three-bedroom, preliminary enrollment projections at full occupancy based on experience ratios from four large complexes in Newton indicate approximately 43 students will attend the Newton Public Schools and seven students will attend private schools. The ratios and resulting number of 50 school-aged children are shown in Appendix G, Table 12.

¹ United States Census Bureau, Census 2010

Because Riverside has received Board of Aldermen permitting approval, students have been manually added to the projections in this analysis as shown in the following chart. An occupancy rate of 60% is expected at the time construction is complete in 2017, with 100% occupancy planned by the spring of 2019. The new complex is in the Williams Elementary School district, with a feeder pattern of Brown Middle School and Newton South High School.

Riverside Housing Development (Estimated # School Age Children by School)

	FY18	FY19
Williams Elementary School	16	25
Brown Middle School	5	9
South High School	5	9
Total Public School Students	26	43
Private School Students	4	7
Total Estimated Riverside Students	30	50

Total enrollments by school for the four largest residential rental communities are shown in the following table; enrollments have decreased or stayed the same since last year at three of the four complexes. There is an overall net decrease of nine students at the four complexes; this is the first time since the opening of the Avalon and Arborpoint complexes that the student population has decreased. The table includes Woodland Park on Grove Street, a residence located directly across the street from the permitted Riverside development. Woodland Park consists of 126 rental apartments including 80 two-bedroom units, 30 one-bedroom units and 16 studios, with 47 students living in the complex who attend Newton Public Schools. Avalon at Newton Highlands, a 294-unit apartment complex opened in 2003, has a population of 101 students enrolled in the Newton Public Schools, the same number as last year. Avalon at Chestnut Hill, a 204-unit apartment complex opened in 2006, has 68 students enrolled in the Newton Public Schools, a decrease of ten students since last year. Arborpoint at Woodland Station, a 2007 transit-oriented 180-unit rental complex, has 54 students enrolled in the district as compared with 50 students one and two years ago.

The Manchester is a large 40B residential proposal currently in the early stages of development. The proposal, put forth by 135 Wells Avenue LLC, calls for a 334-unit rental apartment complex located at 135 Wells Avenue in the Oak Hill neighborhood of Newton. Of the 334 units, 300 would be one or two bedroom apartments. The City has until mid-November 2013 to submit its comments to the Massachusetts Housing Partnership. In addition, the city is considering reuse of two properties including the Austin Street Parking lot, with a range of 25 to 80 units from six different developers, and the former Parks & Recreation building on Crescent Street. Within Newton there are also five small projects, each planned for four units or less, which are awaiting the issuance of building permits.

Enrollment at Newton's Largest Rental Housing Complexes (2013-14)					
School	Avalon at Newton Highlands	Avalon at Chestnut Hill	Arborpoint at Woodland Station	Woodland Park at 264-290 Grove Street	Total
Angier	17				17
Burr	2				2
Countryside	35				35
Mason-Rice		1			1
Memorial-Spaulding		41			41
Peirce	1		14		15
Ward		1			1
Williams			16	33	49
Subtotal Elementary School	55	43	30	33	161
Brown	17		7	10	34
Day			5		5
Oak Hill		12	2		14
Subtotal Middle School	17	12	14	10	53
Newton North	2		7		9
Newton South	27	13	3	4	47
Subtotal High School	29	13	10	4	56
Total	101	68	54	47	270
Total in Prior Year (2012-13)	101	78	50	50	279
Annual Increase/Decrease	0	-10	4	-3	-9

Real Estate Sales

According to data obtained from City of Newton records, there were 1,216 residential property sales in calendar year 2012 versus 985 the year before, an increase of 24%. The last time residential sales were at this level was in 2005 when there were 1,227 sales, indicating a rebound in real estate sales in Newton. (See Appendix D, Table 9.) Through the first nine months of 2013, real estate sales totaled 969 versus 802 (+21%) for the same period one year ago. Appendix D, Table 9 shows the data by school district, making clear the differences in total property sales by neighborhood. Census statistics on owners versus renters indicate the homeownership rate for households in Newton was 70% in 2010 versus 64% statewide and that 40% of housing units in Newton are in multi-unit structures as compared to 41% statewide.

Additional information is provided in Table 8 of Appendix D with properties listed for sale by school district in Newton as of November 2013; there are 24% fewer properties listed for sale in Newton this year. According to statistics published by the Greater Boston Real Estate Board, there was a 12% decrease in inventory of single family homes and a 67% decrease in condominiums in March 2013 compared to one year prior. Lower inventory as a barrier to new home purchases in the spring and summer market could have been a contributor to lower than expected movement into Newton in grades two and three. Seven out of ten properties listed for sale in Newton are single family homes with a nearly equal distribution of three bedroom, four bedroom, five bedroom, and six plus bedroom homes.

**TABLE 1
PROJECTED ENROLLMENTS BY SCHOOL
FY15-FY19**

School	Spec. Ed.*	Actual FY14	Projections Using 5 Year Average Ratios**				
			FY15	FY16	FY17	FY18	FY19
Angier		417	422	428	432	443	443
Bowen		502	493	505	510	521	520
Burr		424	423	425	429	428	432
Cabot		419	422	419	412	417	404
Countryside		457	455	435	420	414	413
Franklin		389	397	393	414	407	414
Horace Mann		427	436	443	446	437	432
Lincoln-Eliot		329	330	335	329	323	327
Mason-Rice		457	462	462	472	487	484
Memorial-Spaulding		429	437	449	452	461	458
Peirce		312	317	326	328	321	321
Underwood		327	339	330	323	330	325
Ward		289	296	296	303	305	301
Williams		304	303	283	294	314	312
Zervas		317	328	341	335	355	355
TOTAL ELEMENTARY	(0)	5,799	5,860	5,870	5,899	5,963	5,941
Bigelow		525	489	489	503	526	521
Brown		743	742	769	749	746	734
Day		947	955	996	977	1,025	1,046
Oak Hill		634	652	615	623	594	643
TOTAL MIDDLE	(0)	2,849	2,838	2,869	2,852	2,891	2,944
Newton North	(83)	2,015	2,062	2,132	2,201	2,211	2,224
Newton South	(17)	1,778	1,829	1,887	1,949	1,977	2,000
TOTAL HIGH SCHOOL	(100)	3,793	3,891	4,019	4,150	4,188	4,224
GRAND TOTAL	(100)	12,441	12,589	12,758	12,901	13,042	13,109

*Enrollment numbers and projections include students who receive special education services outside the regular classroom for a significant amount of time.

**Three-year ratios are used to project kindergarten enrollment.

TABLE 2

Newton Public Schools
Enrollment History and Projections by School
1974 to 2018

School Name	Peak Enroll	Peak Year	1974	1975	1976	1977*	1978*	1979*	1980*	1981*	1982*	1983**	1984*	1985*	1986*	1987	1988	1989	1990	1991	1992	1993***	1994	1995
Angier	752	1953	397	408	408	394	429	414	424	400	375	384	413	412	419	409	410	439	436	441	469	428	430	430
Bowen	502	2013	343	338	301	354	349	328	309	300	291	283	312	348	350	364	366	403	413	426	428	410	414	421
Burr	496	1967	359	338	313	256	232	218	264	236	229	211	204	210	238	249	260	304	299	302	323	275	294	287
Cabot	539	1967	441	406	388	373	349	315	306	410	351	342	336	337	362	362	387	424	449	470	473	443	431	420
Carr	401	1963	307	295	290	271	269	235																
Claffin	420	1960	334	349	314	283	253	231	215															
Countryside	557	1959	301	302	302	231	218	349	338	347	316	303	379	394	418	436	451	458	474	500	497	461	477	446
Davis	352	1961	303	279	273	276	256	247																
Emerson	345	1955	292	276	245	222	201																	
Franklin	601	1961	486	460	445	420	388	389	478	399	394	388	345	338	334	331	347	364	382	361	360	332	350	346
Hamilton	222	1960	172	144	147	126																		
Horace Mann	427	2013	290	295	270	252	228	216	317	301	287	261	268	258	249	276	287	299	323	318	324	285	288	294
Hyde	669	1952	405	385	352	350	364	351	341	314	310	301												
Lincoln-Eliot	435	1970	379	368	361	342	286	244	320	308	269	237	246	242	239	250	249	285	316	338	352	293	306	333
Mason-Rice	620	1962	444	475	445	428	410	384	360	349	321	286	418	402	419	419	423	436	459	475	486	395	417	405
Memorial	536	1953	192	181	152																			
Memorial-Spaulding	486	1992				372	349	309	309	301	284	264	372	382	401	415	418	445	449	452	486	426	469	477
Oak Hill Elementary	450	1962	295	310	304	323	341	304	274	268	230	207												
Peirce	429	1960	363	390	362	341	345	349	355	355	302	290	291	266	253	253	267	282	283	272	292	270	270	259
Spaulding	587	1961	274	268	253																			
Underwood	582	1970	541	497	463	437	411	392	373	328	293	308	291	292	264	280	277	283	303	310	302	295	311	283
Ward	506	1971	503	499	500	428	404	371	334	302	278	258	286	279	312	325	354	351	372	378	386	330	342	366
Williams	375	1969	313	311	281	272	298	258	235	214	209	213	223	221	219	216	238	244	255	284	302	271	261	254
Zervas (formerly Beethoven)	350	1964	305	287	286	242	239	240	238	227	209	213	278	281	258	266	273	280	290	320	325	302	303	288
Peabody (SPED)			38	37																				
Total Elem			8,077	7,898	7,455	6,993	6,619	6,144	5,790	5,359	4,948	4,749	4,662	4,662	4,735	4,851	5,007	5,297	5,503	5,647	5,805	5,216	5,363	5,309
Change			-166	-179	-443	-462	-374	-475	-354	-431	-411	-199	-87	0	73	116	156	290	206	144	158	-589	147	-54
% Change			-2.0%	-2.2%	-5.6%	-6.2%	-5.3%	-7.2%	-5.8%	-7.4%	-7.7%	-4.0%	-1.8%	0.0%	1.6%	2.4%	3.2%	5.8%	3.9%	2.6%	2.8%	-10.1%	2.8%	-1.0%
Total # Elem Schools			23	23	23	22	21	20	18	17	17	17	15	15	15	15	15	15	15	15	15	15	15	15
Bigelow	612	1996	579	589	572	575	529	517	503	482	537	425	350	168								534	567	590
Brown (formerly Meadowbrook)	1,024	1964	822	800	823	842	822	810	858	636	654	615	600	597	570	548	557	528	508	628	689	989	940	945
Day	947	2013	790	780	804	778	724	724	734	774	847	652	604	654	709	684	680	730	797	772	770	755	794	808
Oak Hill Middle	634	2013																						
Warren	1,270	1969	903	883	884	846	763	681	629	606	419													
Weeks	1,033	1960	724	675	663	625	563	458	287															
Total Middle School			3,818	3,727	3,746	3,666	3,401	3,190	3,011	2,498	2,457	1,692	1,554	1,419	1,279	1,232	1,237	1,258	1,305	1,400	1,459	2,278	2,301	2,343
Change			-118	-91	19	-80	-265	-211	-179	-513	-41	-765	-138	-135	-140	-47	5	21	47	95	59	819	23	42
% Change			-3.0%	-2.4%	0.5%	-2.1%	-7.2%	-6.2%	-5.6%	-17.0%	-1.6%	-31.1%	-8.2%	-8.7%	-9.9%	-3.7%	0.4%	1.7%	3.7%	7.3%	4.2%	56.1%	1.0%	1.8%
Total # Middle Schools			5	5	5	5	5	5	5	4	4	3	3	3	2	2	2	2	2	2	2	3	3	3
North	2,976	1972	2,864	2,885	2,741	2,685	2,621	2,584	2,471	2,275	2,075	2,659	2,540	2,390	2,195	1,983	1,771	1,617	1,589	1,623	1,691	1,757	1,765	1,808
South	1,784	2007	1,393	1,332	1,300	1,211	1,178	1,132	1,154	1,503	1,418	1,311	1,298	1,229	1,226	1,174	1,127	1,104	1,091	1,058	1,055	1,109	1,142	1,220
Total High School			4,257	4,217	4,041	3,896	3,799	3,716	3,625	3,778	3,493	3,970	3,838	3,619	3,421	3,157	2,898	2,721	2,680	2,681	2,746	2,866	2,907	3,028
Change			-110	-40	-176	-145	-97	-83	-91	153	-285	477	-132	-219	-198	-264	-259	-177	-41	1	65	120	41	121
% Change			-2.5%	-0.9%	-4.2%	-3.6%	-2.5%	-2.2%	-2.4%	4.2%	-7.5%	13.7%	-3.3%	-5.7%	-5.5%	-7.7%	-8.2%	-6.1%	-1.5%	0.0%	2.4%	4.4%	1.4%	4.2%
Grand Total			16,152	15,842	15,242	14,555	13,819	13,050	12,426	11,635	10,898	10,411	10,054	9,700	9,435	9,240	9,142	9,276	9,488	9,728	10,010	10,360	10,571	10,680
Change			-394	-310	-600	-687	-736	-769	-624	-791	-737	-487	-357	-354	-265	-195	-98	134	212	240	282	350	211	109
% Change			-2.4%	-1.9%	-3.8%	-4.5%	-5.1%	-5.6%	-4.8%	-6.4%	-6.3%	-4.5%	-3.4%	-3.5%	-2.7%	-2.1%	-1.1%	1.5%	2.3%	2.5%	2.9%	3.5%	2.0%	1.0%

* Between 1977-78 through 1986-87, 8 Elementary and 3 Middle Schools were either closed or consolidated.

** In 1983, all 9th grade students were moved from the Middle Schools to the High Schools.

*** In 1993, all 6th grade students were moved from Elementary Schools to Middle Schools. Bigelow Middle School was reopened.

TABLE 2

Newton Public Schools
Enrollment History and Projections by School
1974 to 2018

School Name	Peak Enroll	Peak Year																					Projected				
			1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018		
Angier	752	1953	436	423	433	412	418	412	396	371	363	370	379	401	392	389	375	395	408	417	422	428	432	443	443		
Bowen	502	2013	410	409	390	377	383	351	336	335	375	386	413	428	435	454	449	448	477	502	493	505	510	521	520		
Burr	496	1967	292	273	256	278	270	294	300	303	314	314	333	331	369	379	391	409	415	424	423	425	429	428	432		
Cabot	539	1967	417	412	393	385	362	360	352	353	357	391	420	424	425	449	452	440	420	419	422	419	412	417	404		
Carr	401	1963																									
Claffin	420	1960																									
Countryside	557	1959	449	469	493	499	482	453	455	446	448	463	437	447	479	472	499	490	479	457	455	435	420	414	413		
Davis	352	1961																									
Emerson	345	1955																									
Franklin	601	1961	366	379	407	389	390	398	384	397	386	385	414	401	396	402	397	401	396	389	397	393	414	407	414		
Hamilton	222	1960																									
Horace Mann	427	2013	282	273	297	301	303	313	330	333	337	344	350	348	370	371	373	386	394	427	436	443	446	437	432		
Hyde	669	1952																									
Lincoln-Eliot	435	1970	345	321	325	285	281	252	220	242	229	282	281	293	284	291	293	317	322	329	330	335	329	323	327		
Mason-Rice	620	1962	397	395	412	393	364	369	364	352	365	372	372	410	422	428	442	437	438	457	462	462	472	487	484		
Memorial	536	1953																									
Memorial-Spaulding	486	1992	454	452	448	462	452	417	440	447	427	419	443	449	442	438	459	458	464	429	437	449	452	461	458		
Oak Hill Elementary	450	1962																									
Peirce	429	1960	250	281	282	271	281	270	271	271	286	306	324	329	338	329	318	316	337	312	317	326	328	321	321		
Spaulding	587	1961																									
Underwood	582	1970	285	282	267	278	264	276	294	276	275	264	288	295	282	262	282	289	310	327	339	330	323	330	325		
Ward	506	1971	360	335	319	343	325	304	281	274	262	262	237	247	260	260	269	278	301	289	296	296	303	305	301		
Williams	375	1969	288	269	260	258	241	257	260	254	264	275	295	281	276	277	298	302	304	304	303	283	294	314	312		
Zervas (formerly Beethoven)	350	1964	287	287	311	281	281	276	287	284	287	300	332	324	328	326	349	321	325	317	328	341	335	355	355		
Peabody (SPED)																											
Total Elem			5,318	5,260	5,293	5,212	5,097	5,002	4,970	4,938	4,975	5,133	5,318	5,408	5,498	5,527	5,646	5,687	5,790	5,799	5,860	5,870	5,899	5,963	5,941		
<i>Change</i>			9	-58	33	-81	-115	-95	-32	-32	37	158	185	90	90	29	119	41	103	9	61	10	29	64	-22		
<i>% Change</i>			0.2%	-1.1%	0.6%	-1.5%	-2.2%	-1.9%	-0.6%	-0.6%	0.7%	3.2%	3.6%	1.7%	1.7%	0.5%	2.2%	0.7%	1.8%	0.2%	1.1%	0.2%	0.5%	1.1%	-0.4%		
Total # Elem Schools			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
Bigelow	612	1996	612	522	483	446	465	477	513	520	510	496	495	487	505	527	523	533	531	525	489	489	503	526	521		
Brown (formerly Meadowbrook)	1,024	1964	974	645	749	771	752	735	756	770	787	705	665	644	681	684	666	677	698	743	742	769	749	746	734		
Day	947	2013	856	823	804	804	835	855	822	785	758	768	747	764	747	773	758	845	874	947	955	996	977	1,025	1,046		
Oak Hill Middle	634	2013		572	578	619	620	621	597	598	565	565	567	558	547	572	603	612	616	634	652	615	623	594	643		
Warren	1,270	1969																									
Weeks	1,033	1960																									
Total Middle School			2,442	2,562	2,614	2,640	2,672	2,688	2,688	2,673	2,620	2,534	2,474	2,453	2,480	2,556	2,550	2,667	2,719	2,849	2,838	2,869	2,852	2,891	2,944		
<i>Change</i>			99	120	52	26	32	16	0	-15	-53	-86	-60	-21	27	76	-6	117	52	130	-11	31	-17	39	53		
<i>% Change</i>			4.2%	4.9%	2.0%	1.0%	1.2%	0.6%	0.0%	-0.6%	-2.0%	-3.3%	-2.4%	-0.8%	1.1%	3.1%	-0.2%	4.6%	1.9%	4.8%	-0.4%	1.1%	-0.6%	1.4%	1.8%		
Total # Middle Schools			3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
North	2,976	1972	1,867	1,911	2,019	2,123	2,144	2,190	2,219	2,169	2,121	2,047	1,964	1,911	1,829	1,802	1,871	1,877	1,940	2,015	2,062	2,132	2,201	2,211	2,224		
South	1,784	2007	1,223	1,211	1,240	1,273	1,333	1,370	1,399	1,487	1,552	1,701	1,745	1,784	1,763	1,722	1,708	1,691	1,721	1,778	1,829	1,887	1,949	1,977	2,000		
Total High School			3,090	3,122	3,259	3,396	3,477	3,560	3,618	3,656	3,673	3,748	3,709	3,695	3,592	3,524	3,579	3,568	3,661	3,793	3,891	4,019	4,150	4,188	4,224		
<i>Change</i>			62	32	137	137	81	83	58	38	17	75	-39	-14	-103	-68	55	-11	93	132	98	128	131	38	36		
<i>% Change</i>			2.0%	1.0%	4.4%	4.2%	2.4%	2.4%	1.6%	1.1%	0.5%	2.0%	-1.0%	-0.4%	-2.8%	-1.9%	1.6%	-0.3%	2.6%	3.6%	2.6%	3.3%	3.3%	0.9%	0.9%		
Grand Total			10,850	10,944	11,166	11,248	11,246	11,250	11,276	11,267	11,268	11,415	11,501	11,556	11,570	11,607	11,775	11,922	12,170	12,441	12,589	12,758	12,901	13,042	13,109		
<i>Change</i>			170	94	222	82	-2	4	26	-9	1	147	86	55	14	37	168	147	248	271	148	169	143	141	67		
<i>% Change</i>			1.6%	0.9%	2.0%	0.7%	0.0%	0.0%	0.2%	-0.1%	0.0%	1.3%	0.8%	0.5%	0.1%	0.3%	1.4%	1.2%	2.1%	2.2%	1.2%	1.3%	1.1%	1.1%	0.5%		

* Between 1977-78 through 1986-87, 8 Elementary and 3 Middle Schools were either closed or consolidated.

** In 1983, all 9th grade students were moved from the Middle Schools to the High Schools.

*** In 1993, all 6th grade students were moved from Elementary Schools to Middle Schools. Bigelow Middle School was reopened.

**TABLE 3
PROJECTED ENROLLMENTS BY GRADE
FY15-FY19**

Grade	Actual FY14	Projections Using 5 Year Average Ratios**				
		FY15	FY16	FY17	FY18	FY19
K	958	892	909	911	918	913
1	977	1,007	930	955	958	958
2	945	1,008	1,034	959	989	989
3	982	966	1,029	1,057	983	1,013
4	993	994	974	1,041	1,072	994
5	944	993	994	976	1,043	1,074
TOTAL ELEMENTARY	5,799	5,860	5,870	5,899	5,963	5,941
Diff. from Previous Year		61	10	29	64	-22
% Change		1.1%	0.2%	0.5%	1.1%	-0.4%
6	978	911	957	960	948	1008
7	932	986	918	965	969	956
8	939	941	994	927	974	980
TOTAL MIDDLE	2,849	2,838	2,869	2,852	2,891	2,944
Diff. from Previous Year		-11	31	-17	39	53
% Change		-0.4%	1.1%	-0.6%	1.4%	1.8%
9	954	999	1002	1058	988	1037
10	941	967	1014	1017	1074	1002
11	888	939	965	1011	1015	1072
12	910	886	938	964	1011	1013
Spec. Ed. & Post-grads.*	100	100	100	100	100	100
TOTAL SR. HIGH	3,793	3,891	4,019	4,150	4,188	4,224
Diff. from Previous Year		98	128	131	38	36
% change		2.6%	3.3%	3.3%	0.9%	0.9%
GRAND TOTAL	12,441	12,589	12,758	12,901	13,042	13,109
Diff. from Previous Year		148	169	143	141	67
% Change		1.2%	1.3%	1.1%	1.1%	0.5%

*Enrollment numbers and projections include students who receive special education services outside the regular classroom for a significant amount of time.

**Three-year ratios are used to project kindergarten enrollment.

TABLE 4

**Newton Public Schools
Enrollment History and Projections by Grade
1974 to 2018**

Grade	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
K	998	946	843	750	681	635	612	628	584	647	673	687	726	730	744	827	809	827	874	906	874	837
1	1,067	1,088	1,009	873	804	723	702	652	650	617	688	712	734	749	753	773	851	845	865	921	946	904
2	1,099	1,078	1,069	1,010	892	812	755	678	649	648	610	692	692	725	738	755	776	851	845	879	918	920
3	1,091	1,114	1,080	1,042	1,022	878	819	746	676	667	659	610	680	693	734	770	767	775	859	870	882	895
4	1,172	1,116	1,103	1,073	1,019	1,002	877	797	739	661	649	642	594	677	705	730	782	763	775	850	869	876
5	1,296	1,191	1,101	1,089	1,055	1,005	1,000	862	774	699	650	634	635	592	678	698	739	772	757	748	838	848
SPED	83	76	56	54	54	56	40	36	44	45	44	47	60	59	65	70	69	64	60	42	36	29
Total K-5	6,806	6,609	6,261	5,891	5,527	5,111	4,805	4,399	4,116	3,984	3,973	4,024	4,121	4,225	4,417	4,623	4,793	4,897	5,035	5,216	5,363	5,309
Change	-182	-197	-348	-370	-364	-416	-306	-406	-283	-132	-11	51	97	104	192	206	170	104	138	181	147	-54
% Change	-2.6%	-2.9%	-5.3%	-5.9%	-6.2%	-7.5%	-6.0%	-8.4%	-6.4%	-3.2%	-0.3%	1.3%	2.4%	2.5%	4.5%	4.7%	3.7%	2.2%	2.8%	3.6%	2.8%	-1.0%
6	1,271	1,289	1,194	1,102	1,092	1,033	985	960	832	765	689	638	614	626	590	674	710	750	770	746	752	825
7	1,230	1,254	1,267	1,150	1,053	1,024	982	928	884	787	739	650	610	589	625	599	665	692	717	742	754	729
8	1,246	1,215	1,269	1,258	1,131	1,053	1,011	958	934	884	786	737	641	613	580	634	614	677	707	728	757	754
SPED	22	19	19	13	12	10	5	11	14	21	29	32	28	30	32	25	26	31	35	62	38	35
Total 6-8	3,769	3,777	3,749	3,523	3,288	3,120	2,983	2,857	2,664	2,457	2,243	2,057	1,893	1,858	1,827	1,932	2,015	2,150	2,229	2,278	2,301	2,343
Change	-72	8	-28	-226	-235	-168	-137	-126	-193	-207	-214	-186	-164	-35	-31	105	83	135	79	49	23	42
% Change	-1.9%	0.2%	-0.7%	-6.0%	-6.7%	-5.1%	-4.4%	-4.2%	-6.8%	-7.8%	-8.7%	-8.3%	-8.0%	-1.8%	-1.7%	5.7%	4.3%	6.7%	3.7%	2.2%	1.0%	1.8%
9	1,320	1,239	1,191	1,245	1,205	1,103	1,013	989	966	980	898	801	763	700	658	607	666	645	689	734	774	773
10	1,423	1,366	1,273	1,224	1,271	1,225	1,126	1,020	1,000	907	964	931	826	753	686	654	615	692	670	709	706	766
11	1,398	1,418	1,331	1,295	1,213	1,260	1,210	1,094	1,013	1,001	916	902	863	788	739	676	656	617	684	687	659	707
12	1,388	1,384	1,392	1,331	1,276	1,192	1,232	1,219	1,082	1,009	987	910	908	849	753	720	675	658	629	675	656	672
SPED	48	49	45	46	39	39	57	57	57	73	73	75	61	67	62	64	68	69	74	61	112	110
Total 9-12	5,577	5,456	5,232	5,141	5,004	4,819	4,638	4,379	4,118	3,970	3,838	3,619	3,421	3,157	2,898	2,721	2,680	2,681	2,746	2,866	2,907	3,028
Change	-140	-121	-224	-91	-137	-185	-181	-259	-261	-148	-132	-219	-198	-264	-259	-177	-41	1	65	120	41	121
% Change	-2.4%	-2.2%	-4.1%	-1.7%	-2.7%	-3.7%	-3.8%	-5.6%	-6.0%	-3.6%	-3.3%	-5.7%	-5.5%	-7.7%	-8.2%	-6.1%	-1.5%	0.0%	2.4%	4.4%	1.4%	4.2%
Grand Total	16,152	15,842	15,242	14,555	13,819	13,050	12,426	11,635	10,898	10,411	10,054	9,700	9,435	9,240	9,142	9,276	9,488	9,728	10,010	10,360	10,571	10,680
Change	-394	-310	-600	-687	-736	-769	-624	-791	-737	-487	-357	-354	-265	-195	-98	134	212	240	282	350	211	109
% Change	-2.4%	-1.9%	-3.8%	-4.5%	-5.1%	-5.6%	-4.8%	-6.4%	-6.3%	-4.5%	-3.4%	-3.5%	-2.7%	-2.1%	-1.1%	1.5%	2.3%	2.5%	2.9%	3.5%	2.0%	1.0%

NOTE: The subtotals in this table are calculated strictly according to grade and do not match subtotals calculated by actual Elementary, Middle and High School enrollments by school such as in Table 1B. In 1983, 9th graders were moved from Middle Schools to High Schools and in 1993, 6th graders were moved from Elementary Schools to Middle Schools.

TABLE 4

**Newton Public Schools
Enrollment History and Projections by Grade
1974 to 2018**

Grade	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Projected				
																			2014	2015	2016	2017	2018
K	870	808	841	787	736	766	792	796	805	867	887	868	830	862	896	895	934	958	892	909	911	918	913
1	871	887	850	866	804	749	805	837	856	853	916	926	950	877	926	940	936	977	1,007	930	955	958	958
2	887	873	898	867	857	811	795	828	836	868	895	950	924	989	908	956	966	945	1,008	1,034	959	989	989
3	925	878	874	901	889	849	815	818	831	860	896	892	962	931	1,007	923	981	982	966	1,029	1,057	983	1,013
4	886	923	876	887	901	896	855	817	819	847	859	897	908	967	932	1,017	938	993	994	974	1,041	1,072	994
5	854	873	938	885	894	916	894	832	811	820	851	858	905	884	960	937	1,021	944	993	994	976	1,043	1,074
SPED	25	18	16	19	16	15	14	10	17	18	14	17	19	17	17	19	14	0	0	0	0	0	0
Total K-5	5,318	5,260	5,293	5,212	5,097	5,002	4,970	4,938	4,975	5,133	5,318	5,408	5,498	5,527	5,646	5,687	5,790	5,799	5,860	5,870	5,899	5,963	5,941
Change	9	-58	33	-81	-115	-95	-32	37	158	185	90	90	29	119	41	103	9	61	10	29	64	-22	
% Change	0.2%	-1.1%	0.6%	-1.5%	-2.2%	-1.9%	-0.6%	-0.6%	0.7%	3.2%	3.6%	1.7%	1.7%	0.5%	2.2%	0.7%	1.8%	0.2%	1.1%	0.2%	0.5%	1.1%	-0.4%
6	833	838	846	911	869	858	916	895	829	804	824	828	829	877	863	922	900	978	911	957	960	948	1,008
7	822	836	840	843	930	881	875	902	889	836	810	825	836	826	863	875	922	932	986	918	965	969	956
8	742	828	864	846	851	923	884	867	898	892	837	797	809	848	817	866	889	939	941	994	927	974	980
SPED	45	60	64	40	22	26	13	9	4	2	3	3	6	5	7	4	8	0	0	0	0	0	0
Total 6-8	2,442	2,562	2,614	2,640	2,672	2,688	2,688	2,673	2,620	2,534	2,474	2,453	2,480	2,556	2,550	2,667	2,719	2,849	2,838	2,869	2,852	2,891	2,944
Change	99	120	52	26	32	16	0	-15	-53	-86	-60	-21	27	76	-6	117	52	130	-11	31	-17	39	53
% Change	4.2%	4.9%	2.0%	1.0%	1.2%	0.6%	0.0%	-0.6%	-2.0%	-3.3%	-2.4%	-0.8%	1.1%	3.1%	-0.2%	4.6%	1.9%	4.8%	-0.4%	1.1%	-0.6%	1.4%	1.8%
9	749	776	869	918	872	868	925	899	892	919	905	877	821	835	904	875	931	954	999	1,002	1,058	988	1,037
10	762	748	790	875	888	872	865	933	899	906	911	912	868	846	850	896	886	941	967	1,014	1,017	1,074	1,002
11	759	752	765	755	867	877	887	863	925	898	927	927	902	862	843	843	897	888	939	965	1,011	1,015	1,072
12	695	754	756	772	765	864	855	890	860	917	882	914	918	879	879	830	845	910	886	938	964	1,011	1,013
SPED	125	92	79	76	85	79	86	71	97	108	84	65	83	102	103	124	102	100	100	100	100	100	100
Total 9-12	3,090	3,122	3,259	3,396	3,477	3,560	3,618	3,656	3,673	3,748	3,709	3,695	3,592	3,524	3,579	3,568	3,661	3,793	3,891	4,019	4,150	4,188	4,224
Change	62	32	137	137	81	83	58	38	17	75	-39	-14	-103	-68	55	-11	93	132	98	128	131	38	36
% Change	2.0%	1.0%	4.4%	4.2%	2.4%	2.4%	1.6%	1.1%	0.5%	2.0%	-1.0%	-0.4%	-2.8%	-1.9%	1.6%	-0.3%	2.6%	3.6%	2.6%	3.3%	3.3%	0.9%	0.9%
Grand Total	10,850	10,944	11,166	11,248	11,246	11,250	11,276	11,267	11,268	11,415	11,501	11,556	11,570	11,607	11,775	11,922	12,170	12,441	12,589	12,758	12,901	13,042	13,109
Change	170	94	222	82	-2	4	26	-9	1	147	86	55	14	37	168	147	248	271	148	169	143	141	67
% Change	1.6%	0.9%	2.0%	0.7%	0.0%	0.0%	0.2%	-0.1%	0.0%	1.3%	0.8%	0.5%	0.1%	0.3%	1.4%	1.2%	2.1%	2.2%	1.2%	1.3%	1.1%	1.1%	0.5%

NOTE: The subtotals in this table are calculated strictly according to grade and do not match subtotals calculated by actual Elementary, Middle and High School enrollments by school such as in Table 1B. In 1983, 9th graders were moved from Middle Schools to High Schools and in 1993, 6th graders were moved from Elementary Schools to Middle Schools.

TABLE 5
COMPARISON OF ACTUAL AND PROJECTED 5 YEAR ENROLLMENT CHANGE
2008-09 TO 2013-14 AND 2013-14 TO 2018-19

School	2008-09 Enrollment	2013-14 Enrollment	Change	% Change	2013-14 Enrollment	2018-19 Enrollment	Change	% Change
Angier	392	417	25	6.4%	417	443	26	6.2%
Bowen	435	502	67	15.4%	502	520	18	3.6%
Burr	369	424	55	14.9%	424	432	8	1.9%
Cabot	425	419	-6	-1.4%	419	404	-15	-3.6%
Countryside	479	457	-22	-4.6%	457	413	-44	-9.6%
Franklin	396	389	-7	-1.8%	389	414	25	6.4%
Horace Mann	370	427	57	15.4%	427	432	5	1.2%
Lincoln-Eliot	284	329	45	15.8%	329	327	-2	-0.6%
Mason-Rice	422	457	35	8.3%	457	484	27	5.9%
Memorial-Spaulding	442	429	-13	-2.9%	429	458	29	6.8%
Peirce	338	312	-26	-7.7%	312	321	9	2.9%
Underwood	282	327	45	16.0%	327	325	-2	-0.6%
Ward	260	289	29	11.2%	289	301	12	4.2%
Williams	276	304	28	10.1%	304	312	8	2.6%
Zervas	328	317	-11	-3.4%	317	355	38	12.0%
TOTAL ELEMENTARY	5,498	5,799	301	5.5%	5,799	5,941	142	2.4%
Bigelow	505	525	20	4.0%	525	521	-4	-0.8%
Brown	681	743	62	9.1%	743	734	-9	-1.2%
Day	747	947	200	26.8%	947	1,046	99	10.5%
Oak Hill	547	634	87	15.9%	634	643	9	1.4%
TOTAL MIDDLE	2,480	2,849	369	14.9%	2,849	2,944	95	3.3%
Newton North	1,829	2,015	186	10.2%	2,015	2,224	209	10.4%
Newton South	1,763	1,778	15	0.9%	1,778	2,000	222	12.5%
TOTAL HIGH SCHOOL	3,592	3,793	201	5.6%	3,793	4,224	431	11.4%
TOTAL ENROLLMENT	11,570	12,441	871	7.5%	12,441	13,109	668	5.4%

TABLE 6
PERCENT OF CHANGE BY GRADE SPAN
2007-2008 TO 2018-2019

Year	Grades K-5			Grades 6-8			Grades 9-12			System-Wide		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2007-2008	5,408	1.7%	90	2,453	-0.6%	12	3,695	1.1%	-14	11,556	0.8%	88
2008-2009	5,498	1.7%	90	2,480	1.1%	27	3,592	-2.8%	-103	11,570	0.1%	14
2009-2010	5,527	0.5%	29	2,556	3.1%	76	3,524	-1.9%	-68	11,607	0.3%	37
2010-2011	5,646	2.2%	119	2,550	-0.2%	-6	3,579	1.6%	55	11,775	1.4%	168
2011-2012	5,687	0.7%	41	2,667	4.6%	117	3,568	-0.3%	-11	11,922	1.2%	147
2012-2013	5,790	1.8%	103	2,719	1.9%	52	3,661	2.6%	93	12,170	2.1%	248
2013-2014	5,799	0.2%	9	2,849	4.8%	130	3,793	3.6%	132	12,441	2.2%	271
2014-2015	5,860	1.1%	61	2,838	-0.4%	-11	3,891	2.6%	98	12,589	1.2%	148
2015-2016	5,870	0.2%	10	2,869	1.1%	31	4,019	3.3%	128	12,758	1.3%	169
2016-2017	5,899	0.5%	29	2,852	-0.6%	-17	4,150	3.3%	131	12,901	1.1%	143
2017-2018	5,963	1.1%	64	2,891	1.4%	39	4,188	0.9%	38	13,042	1.1%	141
2018-2019	5,941	-0.4%	-22	2,944	1.8%	53	4,224	0.9%	36	13,109	0.5%	67
% Change 2007-2008 to 2018-2019		9.9%			20.0%			14.3%			13.4%	
% Change 2007-2008 to 2013-2014		7.2%			16.1%			2.7%			7.7%	
% Change 2013-2014 to 2018-2019		2.4%			3.3%			11.4%			5.4%	

TABLE 7			
ACTUAL SYSTEM ENROLLMENT CHANGE 1975-2013			
Year	Enrollment	Difference from Previous Year	% Change
1967	18,424		
1975	15,842	-310	-1.9%
1976	15,242	-600	-3.8%
1977	14,555	-687	-4.5%
1978	13,819	-736	-5.1%
1979	13,050	-769	-5.6%
1980	12,426	-624	-4.8%
1981	11,635	-791	-6.4%
1982	10,898	-737	-6.3%
1983	10,411	-487	-4.5%
1984	10,054	-357	-3.4%
1985	9,700	-354	-3.5%
1986	9,435	-265	-2.7%
1987	9,240	-195	-2.1%
1988	9,142	-98	-1.1%
1989	9,276	+134	+1.5%
1990	9,488	+212	+2.3%
1991	9,728	+240	+2.5%
1992	10,010	+282	+2.9%
1993	10,360	+350	+3.5%
1994	10,571	+211	+2.0%
1995	10,680	+109	+1.0%
1996	10,850	+170	+1.6%
1997	10,944	+94	+0.9%
1998	11,166	+222	+2.0%
1999	11,248	+82	+0.7%
2000	11,246	-2	+0.0%
2001	11,250	+4	+0.0%
2002	11,276	+26	+0.2%
2003	11,267	-9	-0.1%
2004	11,268	+1	0.0%
2005	11,415	+147	1.3%
2006	11,501	+86	0.8%
2007	11,556	+55	0.5%
2008	11,570	+14	0.1%
2009	11,607	+37	0.3%
2010	11,775	+168	1.4%
2011	11,922	+147	1.2%
2012	12,170	+248	2.1%
2013	12,441	+271	2.2%
PROJECTED			
2014	12,589	+148	+1.2%
2015	12,758	+169	+1.3%
2016	12,901	+143	+1.1%
2017	13,042	+141	+1.1%
2018	13,109	+67	+0.5%

Note: Peak enrollment year is in bold

TABLE 8
ACTUAL ELEMENTARY SCHOOL ENROLLMENT CHANGE 1981-2013

Year	Enrollment	Difference from Previous Year	% Change
1961	10,010		
1981	5,359	-431	-7.4%
1982	4,948	-411	-7.7%
1983	4,749	-199	-4.0%
1984	4,662	-87	-1.8%
1985	4,662	+0	+0.0%
1986	4,735	+73	+1.6%
1987	4,851	+116	+2.4%
1988	5,007	+156	+3.2%
1989	5,297	+290	+5.8%
1990	5,503	+206	+3.9%
1991	5,647	+144	+2.6%
1992	5,805	+158	+2.7%
1993*	5,216	-589	-11.3%
1994	5,363	+147	+2.7%
1995	5,309	-54	-1.0%
1996	5,318	+9	+0.2%
1997	5,260	-58	-1.1%
1998	5,293	+33	+0.6%
1999	5,212	-81	-1.5%
2000	5,097	-115	-2.2%
2001	5,002	-95	-1.9%
2002	4,970	-32	-0.6%
2003	4,938	-32	-0.6%
2004	4,975	+37	+0.7%
2005	5,133	+158	+3.2%
2006	5,318	+185	+3.6%
2007	5,408	+90	+1.7%
2008	5,498	+90	+1.7%
2009	5,527	+29	+0.5%
2010	5,646	+119	+2.2%
2011	5,687	+41	+0.7%
2012	5,790	+103	+1.8%
2013	5,799	+9	+0.2%
PROJECTED			
2014	5,860	+61	+1.1%
2015	5,870	+10	+0.2%
2016	5,899	+29	+0.5%
2017	5,963	+64	+1.1%
2018	5,941	-22	-0.4%

Note: Peak enrollment year is in bold

*Grade organization changed from K-6 to K-5 configuration

TABLE 9
SECONDARY ENROLLMENT CHANGE FOR GRADES 7-12 THROUGH 1992-93
AND GRADES 6-12 FROM 1993-94 THROUGH 2018-19
ACTUAL 1983-2013

Year	Enrollment		Difference from Previous Year	% Change	
1983	5,662		-288	-4.8%	
1984	5,392		-270	-4.8%	
1985	5,038		-354	-6.6%	
1986	4,700		-338	-6.7%	
1987	4,389		-311	-6.6%	
1988	4,135		-254	-5.8%	
1989	3,979		-156	-3.8%	
1990	3,985		+6	+0.2%	
1991	4,081		+96	+2.4%	
1992	4,205		+124	+3.0%	
1993*	5,144		+939	+22.3%	
1994	5,208		+64	+1.2%	
1995	5,371		+163	+3.1%	
1996	5,532		+161	+3.0%	
1997	5,684		+152	+2.7%	
1998	5,873		+189	+3.3%	
1999	6,036		+163	+2.8%	
2000	6,149		+113	+1.9%	
2001	6,248		+99	+1.6%	
2002	6,306		+58	+0.9%	
2003	6,329		+23	+0.4%	
2004	6,293		-36	-0.6%	
2005	6,282		-11	-0.2%	
2006	6,183		-99	-1.6%	
2007	6,148		-35	-0.6%	
2008	6,072		-76	-1.2%	
2009	6,080		+8	+0.1%	
2010	6,129		+49	+0.8%	
2011	6,235		+106	+1.7%	
2012	6,380		+145	+2.3%	
2013	6,642		+262	+4.1%	
Projections					
Year	Grades 6-8	Grades 9-12	Total Enrollment	Difference from Previous Year	% Change
2014	2,838	3,891	6,729	+87	+1.3%
2015	2,869	4,019	6,888	+159	+2.4%
2016	2,852	4,150	7,002	+114	+1.7%
2017	2,891	4,188	7,079	+77	+1.1%
2018	2,944	4,224	7,168	+89	+1.3%

*Secondary school enrollments reflect a change in grade configuration from 7-8 to 6-8 at the middle school level.

II. ENROLLMENT PROJECTION METHOD

Kindergarten Projection Methodology

NESDEC Comparison

Accuracy of Projections

Frequently Asked Questions

II. ENROLLMENT PROJECTION METHOD

The enrollment projections are prepared by combining the current year's official enrollment as reported on October 1, 2013 to the Department of Elementary and Secondary Education with other available demographic data for Newton. These data are then applied to a spreadsheet model of five-year average cohort survival ratios. The projections are calculated on an individual school and grade basis and then aggregated into system-wide projections. Just as in recent years, five-year cohort survival ratios for grades 1 through 12 are used in this projection. Three-year ratios are used for kindergarten this year as explained later in this section.

A cohort is defined as a group of students of a specific age or grade level who are at a specific school or are all going to the same school in the next year. Non-resident students are not included in the base for the cohort calculation. These students are added to the total after the calculation. Next year's 6th graders at Oak Hill Middle School, for example, are made up of the 5th grade cohorts from Bowen, Memorial-Spaulding and Zervas. The five-year average cohort survival ratio for schools entering Oak Hill is 0.955. There are 213 resident students in the group described above. The cohort calculation therefore yields 203 (213×0.955) students. Twelve current non-resident students are added to this total, resulting in the final projection of 215 students for students entering the 6th grade at Oak Hill next year.

The following factors are integrated in the forecast and include all current School Committee policies on school feeder patterns, split districts, and buffer zones. All feeder patterns reflect current policies.

- METCO students are added to each school and grade after the projections are computed. METCO students who will enter the system in kindergarten, grade one or grade two each year for the next five years are also included in the individual school tables by grade.
- Numbers of entering middle and high school students are based on percentages of students from lower grade level schools to reflect districting, split districts, and buffer zones.

Kindergarten Projection Methodology

The following chart includes the highest kindergarten populations of the past forty years going back to 1971-72 when the kindergarten class had 1,063 students. The 2013-14 school year has the *fifth* largest kindergarten class of the past forty years, with 958 students. The current kindergarten population exceeds the average size of past kindergarten classes using forty, twenty, five and three year averages. The following section explains why the kindergarten projection for next school is projected to be lower than the last few years and is more in line with the actual kindergarten classes of 2010-11 and 2011-12.

Highest Kindergarten Populations of Past 40 Years	
(In Size Order)	
Time Period	Number of K Students
1971-72	1,063
1972-73	1,010
1974-75	998
1973-74	968
2013-14	958
1975-76	946
2012-13	934
1993-94	906
2010-11	896
2011-12	895
40 year average	801
20 year average	845
5 year average	909
3 year average	929

The following historical chart illustrates the rising trend over time of how Newton’s four-year old population relates to the kindergarten population. The current and recent City of Newton Census shows the following four-year old population statistics with corresponding kindergarten enrollment by year for the system as a whole.

Age Four to Kindergarten Ratio

Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
4-year olds	828	796	767	770	723	744	683	686	705	708	682	615
K population	792	796	805	867	887	868	830	862	896	895	934	958
Ratio	0.96	1.00	1.05	1.13	1.23	1.17	1.22	1.26	1.27	1.26	1.37	1.56

City census data for children age 4 continues to be atypically low, yielding a low kindergarten projection of 868 students in 2014-15. As was the case last year, using the cohort survival ratio based on children age 3 resulted in a more reasonable kindergarten projection. Next year’s kindergarten projection of 892 students is calculated using a three-year average of the ratio of children age 3 to the kindergarten population two years later using city census data for the number of 3 year olds living in each district. This year, an adjustment factor of +2 students is added to the kindergarten projection for each of the fifteen schools to take into account recent growth not fully captured in the traditional cohort survival ratio. To project kindergarten enrollment in future years, a three-year average of previous kindergarten populations is used. *Although the 2014-15 kindergarten projection is lower than recent years, it is supported by the fact that there were 100 fewer births to Newton residents in 2009 versus 2008, indicating the likelihood of a smaller kindergarten class five years hence.* This is further supported by the fact that NESDEC (the New England School Development Council), as referenced in the next section, uses only birth data and projects next year’s kindergarten enrollment within 8 students of Newton’s projection.

To illustrate this year’s methodology, first, each school’s population is projected using its particular survival ratios. For example, Zervas’ three-year average cohort survival ratio of children age 3 entering kindergarten in two years is 1.513; there were 40 children of age 3 living in the Zervas School District last year, yielding 61 students (40 children times 1.513).

Second, an adjustment factor for growth of plus two students is added, resulting in 63 students. Third, the addition of two expected non-resident students results in a final projection for Zervas of 65 kindergarten students in the 2014-15 school year.

As discussed above, the resident births to kindergarten ratios displayed in Table 10 are of prime importance this year. Comparing each year’s kindergarten number to the number of state recorded Newton births five years prior yields a births to kindergarten ratio. This year’s ratio of 1.06 is the lowest in recent years due to the much higher number of births in 2008 in conjunction with the resulting higher kindergarten class five years hence. If the number of births in 2008 had been lower, the resulting ratio would have been higher.

TABLE 10
Resident Births to Kindergarten Ratios
Using State Data*

Birth Year	Births to Kindergarten Ratios									
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Birth	874	886	834	822	759	844	788	812	815	907
Kindergarten Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Kindergarten	805	867	887	868	830	862	896	895	934	958
Ratio	0.92	0.98	1.06	1.06	1.09	1.02	1.14	1.10	1.15	1.06

*Data source is the Massachusetts Department of Public Health, Vital Statistics (obtained through NESDEC).

NESDEC Comparison

The enrollment analysis report includes projections for the Newton Public Schools from NESDEC (the New England School Development Council). In total by all grade levels, NESDEC’s enrollment projections for 2014-15 and 2015-16 are very close to Newton’s projections, as shown in Table 10 of Appendix E. The total variances by year between this report and NESDEC’s projections are -12, +14, +52, +56 and +55, respectively, for 2014-15 through 2018-19. The kindergarten variances by year between this report and NESDEC’s projections for the next five years are -8, +34, +34, +3 and -4.

NESDEC uses a five-year average of Newton resident birth data to project kindergarten enrollment five years later; to project kindergarten enrollment in later years (2017-18 and 2018-19) NESDEC uses estimated numbers of births for calendar year 2012 and 2013. NESDEC’s kindergarten projection next year is 900 students, close to Newton’s projection, and is driven by the fact that there were 806 births to Newton residents in 2009, down from 907 births in 2008.

There are two additional differences between NESDEC’s projection methodology and Newton’s. First, NESDEC’s projections are calculated by total grade rather than by school and by grade. Second, NESDEC uses three-year cohort survival ratios among all grades whereas Newton uses a five-year ratio for grades 1 through 12 and a three-year ratio for kindergarten only. In terms of accuracy of projections, in three of the last five years, Newton’s kindergarten projections have been closer to actual than NESDEC’s projections; conversely, NESDEC has been closer to actual for two years.

Accuracy of Projections

Several tables are included to show how accurately the projections match actual enrollment. Table 11, below, shows the projections for the current year (2013-14), subtotaled by grade level, as predicted one, two and three years ago. Table 12 provides a one-page summary of last year's projections. Table 13 provides school and grade detail comparing the 2013-14 enrollment to the projections made last year.

TABLE 11
Projection History for 2013-14 (FY14)

Date Projected	Elementary	Middle	High School	Total
Fall, 2010	5,659	2,852	3,677	12,188
Fall, 2011	5,777	2,823	3,726	12,326
Fall, 2012	5,851	2,832	3,757	12,440
Actual, October 2013	5,799	2,849	3,793	12,441

Overall, the October 1, 2013 actual enrollment of 12,441 students is one student more than projected in the November 2012 Enrollment Analysis Report, a 0.0% variance from projection. Variances from projection did occur by grade level, by grade and by school. The middle and high school grade levels enrolled more students than projected, a total of 53 students in grade 6-12, or 0.8% higher than projections. The middle school enrollments are the most accurate as compared to projection – within 17 students, or 0.6% of projections. The high school enrollments are within 1.0% of projection with 17 additional students at Newton North and 19 additional students at Newton South. The elementary grade level enrolled fewer students than expected and had the greatest variance from projection with 52 fewer students enrolled than projected, or -0.9% under projections. Grade 2 and grade 3 have the largest shortfall from projections, with 20 fewer students than expected enrolled in grade 2, or -2.1%, and 12 fewer students enrolled in grade 3, or -1.2%. Grade 2 and grade 3 enrollments are lower than projected this year due to fewer student entrances compared to exits than expected.

In order to further illuminate the factors that contributed to variances from projections, four elementary schools were reviewed in depth. Cohort survival methodology, overall, has a high degree of accuracy, especially in large districts, but can be less accurate at the school level and in projecting kindergarten cohorts. (See the Frequently Asked Questions section that follows for more information.) As the table below shows, Bowen and Mason-Rice had the greatest positive variance from projections and Memorial-Spaulding and Zervas had the greatest negative variance from projections. A variety of data points were examined in order to better understand these variances.

Elementary Schools with the Greatest Variance from Projection in 2013-14

School	2013-14 October 1 Projection	2013-14 October 1 Enrollment	2013-14 Variance from Projection	2013-14 Kindergarten Projection	2013-14 October 1 Kindergarten Enrollment	2013-14 Variance from Kindergarten Projection
Bowen	481	502	21	80	95	15
Mason-Rice	430	457	27	64	88	24
Memorial-Spaulding	470	429	-41	63	67	4
Zervas	346	317	-29	64	53	-11

At three of the four schools, the variances are explained in large part by the kindergarten enrollments. The positive variances at Bowen and Mason-Rice of 21 and 27 students, respectively, are largely driven by kindergarten enrollments higher than projected by 15 and 24 students. The kindergarten enrollment at Zervas, with 11 fewer students than projected, also helps to explain why enrollment was lower than expected, though to a lesser degree. Kindergarten enrollment is not a factor in the difference between actual and projected enrollment at Memorial-Spaulding. Kindergarten projections for each school rely upon Newton's city census data. There was a high degree of accuracy in the overall kindergarten projection where projections were within four students of enrollment. However, kindergarten projections at the school level are challenging because children move to Newton after birth and this is not always immediately reflected in the census data.

Another key factor in elementary enrollment growth is the net of student migration - the new students moving in and out at all grades. Typically, the early elementary grades experience growth reflecting a pattern of movement into the city, as documented by cohort survival ratios greater than 1.0 described earlier in the methodology section. For each of the four schools, student exit and entrance data were examined as of the start of the current school year. *(Note that this is more recent data than is reported in the annual 2012-13 Exit and Entrance Statistics.)*

In comparing the students who did not return this September and those who entered each school, Memorial-Spaulding and Zervas had more student exits than entrances. This is a factor that contributed to lower than projected enrollments. Exactly the opposite is true at Bowen and Mason-Rice where there is a slightly positive net in migration at each school this September corresponding with higher than projected enrollments.

Another data point that was considered was the possible influence of enrollment changes that took place after October 1, 2012 when the projections were made. It was found that Memorial-Spaulding experienced an atypically large decrease in enrollment after October 1, 2012 and that by the end of the last school year, in June 2013, enrollment had declined by 17 students. The projections do not immediately capture mid-year enrollment shifts. Likewise, Bowen also experienced an increase of 10 students in enrollment from October 2012 to June 2013 which was a factor in enrollment increases this year. In comparison, the mid-year enrollment changes at these four schools in the year before were smaller, ranging from 2 to 5 students, and did not affect the enrollment starting points for the next school year.

In sum, the largest variances from projection at the elementary level can be reasonably explained by factors that are not easily predicted. These factors include greater numbers of new kindergarten students, fewer students moving in at the higher elementary grades, and greater mid-year student exits in the previous year. These variables are known to fluctuate from year to year and the use of an average cohort survival ratio mitigates the impact of these annual changes.

**TABLE 12
COMPARISON OF OCTOBER, 2012 AND OCTOBER, 2013 ENROLLMENTS AND
COMPARISON OF PROJECTED WITH ACTUAL OCTOBER, 2013 ENROLLMENT**

SCHOOLS	OCTOBER 2012 ACTUAL	October 2013 Actual By Grade						Special Education **	OCTOBER 2013 ACTUAL	DIFF. 2013- 2012	% DIFF.	2013 Projected*	DIFF. ACTUAL/ PROJ.	% DIFF.
		K	1	2	3	4	5							
Angier	408	67	69	69	75	71	66		417	9	2.2%	419	-2	-0.5%
Bowen	477	95	84	76	84	74	89		502	25	5.2%	481	21	4.4%
Burr	415	80	66	70	68	71	69		424	9	2.2%	433	-9	-2.1%
Cabot	420	54	80	64	77	77	67		419	-1	-0.2%	426	-7	-1.6%
Countryside	479	64	67	72	81	92	81		457	-22	-4.6%	471	-14	-3.0%
Franklin	396	78	62	73	52	65	59		389	-7	-1.8%	398	-9	-2.3%
Horace Mann	394	67	74	80	70	70	66		427	33	8.4%	409	18	4.4%
Lincoln-Eliot	322	63	49	57	59	51	50		329	7	2.2%	329	0	0.0%
Mason-Rice	438	88	82	66	72	78	71		457	19	4.3%	430	27	6.3%
Memorial-Spaulding	464	67	73	68	74	69	78		429	-35	-7.5%	470	-41	-8.7%
Peirce	337	46	52	63	57	45	49		312	-25	-7.4%	321	-9	-2.8%
Underwood	310	48	53	49	61	65	51		327	17	5.5%	311	16	5.1%
Ward	301	43	51	53	45	52	45		289	-12	-4.0%	297	-8	-2.7%
Williams	304	45	57	44	42	71	45		304	0	0.0%	310	-6	-1.9%
Zervas	325	53	58	41	65	42	58		317	-8	-2.5%	346	-29	-8.4%
SUB-TOTAL	5,790	958	977	945	982	993	944	0	5,799	9	0.2%	5,851	-52	-0.9%
SCHOOLS					6	7	8							
Bigelow	531				162	178	185		525	-6	-1.1%	540	-15	-2.8%
Brown	698				257	245	241		743	45	6.4%	729	14	1.9%
Day	874				347	289	311		947	73	8.4%	936	11	1.2%
Oak Hill	616				212	220	202		634	18	2.9%	627	7	1.1%
SUB-TOTAL	2,719				978	932	939	0	2,849	130	4.8%	2,832	17	0.6%
SCHOOLS				9	10	11	12	SP**						
Newton North	1,940			496	493	447	496	83	2,015	75	3.9%	1,998	17	0.9%
Newton South	1,721			458	448	441	414	17	1,778	57	3.3%	1,759	19	1.1%
SUB-TOTAL	3,661			954	941	888	910	100	3,793	132	3.6%	3,757	36	1.0%
GRAND TOTAL	12,170							100	12,441	271	2.2%	12,440	1	0.0%

*METCO students are included in all schools' projected enrollments.

**North includes 83 students receiving special education services outside of the classroom for a significant amount of time.

South includes 17 students receiving special education services outside of the classroom for a significant amount of time.

(Special education students receiving services outside the classroom for a significant amount of time in grades K-8 are reported with their grade.)

**TABLE 13
ACTUAL AND PROJECTED ELEMENTARY ENROLLMENTS BY SCHOOL 2013-14**

Grade	Angier		Bowen		Burr		Cabot		Countryside	
	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14
K	67	71	95	80	80	83	54	68	64	78
1	69	71	84	82	66	67	80	80	67	72
2	69	73	76	76	70	70	64	63	72	69
3	75	75	84	80	68	70	77	77	81	82
4	71	61	74	81	71	74	77	70	92	91
5	66	68	89	82	69	69	67	68	81	79
Total	417	419	502	481	424	433	419	426	457	471

Grade	Franklin		Horace Mann		Lincoln-Eliot		Mason-Rice		M-Spaulding	
	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14
K	78	74	67	65	63	67	88	64	67	63
1	62	66	74	66	49	50	82	82	73	78
2	73	73	80	83	57	54	66	65	68	84
3	52	47	70	65	59	65	72	72	74	84
4	65	72	70	64	51	48	78	76	69	78
5	59	66	66	66	50	45	71	71	78	83
Total	389	398	427	409	329	329	457	430	429	470

Grade	Peirce		Underwood		Ward		Williams		Zervas	
	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14
K	46	41	48	56	43	44	45	44	53	64
1	52	59	53	44	51	52	57	50	58	65
2	63	64	49	51	53	54	44	44	41	42
3	57	53	61	52	45	49	42	50	65	73
4	45	53	65	61	52	51	71	73	42	47
5	49	51	51	47	45	47	45	49	58	55
Total	312	321	327	311	289	297	304	310	317	346

Grade	TOTAL ELEM.		N Diff	% Diff.
	Actual 13/14	Proj. 13/14		
K	958	962	-4	-0.4%
1	977	984	-7	-0.7%
2	945	965	-20	-2.1%
3	982	994	-12	-1.2%
4	993	1000	-7	-0.7%
5	944	946	-2	-0.2%
Total	5,799	5,851	-52	-0.9%

**TABLE 13 (CONT.)
ACTUAL AND PROJECTED SECONDARY ENROLLMENTS BY SCHOOL 2013-14**

Grade	Bigelow		Brown		Day		Oak Hill	
	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14
6	162	177	257	255	347	348	212	217
7	178	178	245	238	289	281	220	210
8	185	185	241	236	311	307	202	200
Total	525	540	743	729	947	936	634	627

Grade	TOTAL MIDDLE		N Diff.	% Diff.
	Actual 13/14	Proj. 13/14		
6	978	997	-19	-1.9%
7	932	907	25	2.8%
8	939	928	11	1.2%
Total	2,849	2,832	17	0.6%

Grade	North		South		TOTAL HIGH		N Diff.	% Diff.
	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14	Actual 13/14	Proj. 13/14		
9	496	491	458	447	954	938	16	1.7%
10	493	488	448	452	941	940	1	0.1%
11	447	451	441	433	888	884	4	0.5%
12	496	489	414	404	910	893	17	1.9%
Sp. Ed.	83	79	17	23	100	102	-2	-2.0%
Total	2,015	1,998	1,778	1,759	3,793	3,757	36	1.0%

Division	Actual 13/14	Proj. 13/14	N Diff.	% Diff.
Elementary	5,799	5,851	-52	-0.9%
Middle	2,849	2,832	17	0.6%
High	3,793	3,757	36	1.0%
Total	12,441	12,440	1	0.0%

**TABLE 14
ACTUAL AND PROJECTED K-12 ENROLLMENTS 2007-08 TO 2018-19**

Grade	Actual 07/08	Proj. 07/08	Actual 08/09	Proj. 08/09	Actual 09/10	Proj. 09/10	Actual 10/11	Proj. 10/11	Actual 11/12	Proj. 11/12	Actual 12/13	Proj. 12/13	Actual 13/14	Proj. 13/14	Proj. 14/15	Proj. 15/16	Proj. 16/17	Proj. 17/18	Proj. 18/19
K	868	939	830	844	862	802	896	848	895	900	934	903	958	962	892	909	911	918	913
1	926	941	950	919	877	876	926	902	940	941	936	945	977	984	1007	930	955	958	958
2	950	945	924	963	989	967	908	904	956	949	966	974	945	965	1008	1034	959	989	989
3	892	920	962	971	931	940	1007	1007	923	920	981	970	982	994	966	1029	1057	983	1013
4	897	909	908	901	967	972	932	941	1017	1012	938	930	993	1000	994	974	1041	1072	994
5	858	857	905	892	884	912	960	972	937	931	1021	1016	944	946	993	994	976	1043	1074
Sp.Ed.	17	14	19	17	17	19	17	17	19	17	14	19	0	0	0	0	0	0	0
Total	5,408	5,525	5,498	5,507	5,527	5,488	5,646	5,591	5,687	5,670	5,790	5,757	5,799	5,851	5,860	5,870	5,899	5,963	5,941
6	828	859	829	854	877	895	863	870	922	940	900	909	978	997	911	957	960	948	1008
7	825	831	836	830	826	834	863	884	875	865	922	925	932	907	986	918	965	969	956
8	797	816	809	823	848	833	817	826	866	859	889	872	939	928	941	994	927	974	980
Sp.Ed.	3	3	6	3	5	6	7	5	4	7	8	4	0	0	0	0	0	0	0
Total	2,453	2,509	2,480	2,510	2,556	2,568	2,550	2,585	2,667	2,671	2,719	2,710	2,849	2,832	2,838	2,869	2,852	2,891	2,944
9	877	858	821	819	835	834	904	874	875	851	931	910	954	938	999	1002	1058	988	1037
10	912	914	868	883	846	823	850	842	896	912	886	883	941	940	967	1014	1017	1074	1002
11	927	920	902	918	862	873	843	851	843	855	897	895	888	884	939	965	1011	1015	1072
12	914	922	918	922	879	894	879	851	830	836	845	835	910	893	886	938	964	1011	1013
Sp.Ed.	65	84	83	65	102	83	103	102	124	103	102	124	100	102	100	100	100	100	100
Total	3,695	3,698	3,592	3,607	3,524	3,507	3,579	3,520	3,568	3,557	3,661	3,647	3,793	3,757	3,891	4,019	4,150	4,188	4,224
K-12 TOTAL	11,556	11,732	11,570	11,624	11,607	11,563	11,775	11,696	11,922	11,898	12,170	12,114	12,441	12,440	12,589	12,758	12,901	13,042	13,109
% Change	-1.5%		-0.5%		0.4%		0.7%		0.2%		0.5%		0.0%		N/A	N/A	N/A	N/A	N/A

Frequently Asked Questions

1. Why do we need to know how many students may be attending each school in Newton in future years?

Enrollment projections are useful for decision-making and planning especially in light of continuing significant enrollment growth. With growing shortages of space at the elementary and middle schools, and with increased demand on local financial resources, accurate projections have become increasingly important. Carefully crafted, presented and interpreted projections are a key first step in the planning process. The district is then able to plan the budgets, including capital improvements, classroom space requirements, sufficient teacher workforce and staffing, instructional materials, transportation and so forth. Accurate projections alert the district to changes in school population to allow for needed adjustments. In addition to the projections, school principals provide critical data on enrollments and registrations each spring.

2. Why can't the principals count the students who are in their school and add the students who are coming next year?

This technique may work very well in small, stable communities for a single year's projection. However, larger communities like Newton, with a need for long-term planning, require more complex approaches in order to forecast enrollment trends some years into the future. Research done on Newton's high school enrollment showed that a significant number of students enter and exit the system during the school year and during each summer. Reliance on class lists would provide a less accurate picture than the use of a statistical model that accounts for movements in and out of each school and the system as a whole. It is worth noting that Newton's elementary school principals submit expected numbers of pupils in May and June so that planning for classrooms and teaching staff can proceed with the most recent information.

3. How complex are projection methods?

Enrollment projection procedures are somewhat complex, but, like most statistical methods, they can be explained and replicated. For example, last year (2012-13) in the Bowen district there were 79 kindergarten students. This year (2013-14), in the same district, there are 84 first grade students. This movement yields a ratio of 1.06. This ratio is averaged with the ratios of the previous four years. The resulting ratio of 1.04 is multiplied by the current number of kindergarten students (95), to calculate the projected number of first graders for the next year (99). These forecasts help communities to better understand the impact of trends and changes in enrollment, migration and births on school population. All projections are based on underlying assumptions that use historical school enrollment and census data.

4. What procedures are used in other school systems across the United States?

Most school systems use the "Cohort Survival" method, or some variation, as the technique to provide enrollment forecasts. The basic unit used in this technique is the ratio, a measure that expresses the relative size of two numbers. The cohort survival ratio method models and calculates the flow of a cohort or age group of pupils through the system from one grade to the next over a number of years.

The ratios are influenced by several variables--census data, birth rates, student entrances, exits and transfers, non-public school enrollment patterns, frequency of promotions or retentions, drop-out rates, the proportion of the city school-age population, housing patterns, the number of building permits issued, and other urban trends. Because these variables change from year to year and from school to school, an average ratio of three to five years is used to project for the future. The more stable the community or the individual school neighborhood, the easier and more reliable the projections.

The advantages of this type of model are: (1) it captures the multiple forces which affect population changes (move-ins, move-outs, transfers between schools); and (2) it distinguishes changes in each age group rather than looking at a composite of all changes.

A limited number of school systems have prepared enrollment forecasts using other procedures. For example, regression analysis utilizing the same predictors - births and past tendencies of school children to advance from one grade to the next - can be employed. Other methods include: Growth technique (establishes a district level enrollment curve based on ratios, migration, retention, drop-outs, private school enrollment, etc.); historical comparison of dwellings to enrollment used to base projections; method of analogy (analysis of national trends or local growth influence on district enrollment); and the multiple factor method (study of social and economic factors' influence on enrollment).

5. *What procedure historically has been utilized in Newton?*

The cohort survival ratio method for system-wide projections with adjustments, if appropriate, at the school level has been used for many years. In the past, a combination of three-year and five-year average ratios has been used. This report includes five-year ratios for grades 1 through 12 in order to provide a consistent timeframe for the model across all schools and to take advantage of a full five years of growth. A three-year cohort survival ratio is used for the 2014-15 kindergarten projection with a manual adjustment of +2 students at each school; this ratio results in a significantly larger kindergarten population than the four or five year ratio. Note the kindergarten projection for the four following years uses a three-year average ratio in order to project expected growth.

6. *How accurate are projections?*

The quality of the data obviously influences the accuracy of the projections. Cohort survival relies on data that is usually readily available and reasonably reliable - census data on births and past enrollments.

"Goodness of fit," a measure of the percentage of error, is determined by dividing the actual enrollment figure by the projected enrollment figure for each level. The errors are the magnitude of the percentage difference between projected and actual enrollments. A small percentage of error is preferred. Research literature indicates that total school district enrollment may be projected with an accuracy of plus or minus 1%, yet an individual school's error rate might exceed 10%. Past system-wide error rates in Newton have been low, at around +/-1%, while grade level and school based projections have been significantly higher. Tables 12, 13 and 14 show the accuracy of projections at the system level and also school by school and grade by grade.

In summary, short-term projections are generally more accurate than long-term projections. Projections for districts with larger enrollments are more accurate than those for smaller districts. System-wide projections are more accurate than individual school projections. Error is especially important to consider when reviewing the data beyond 2018-19. These projections, *at best*, provide only the direction or trend enrollments will take into the 2020's. This is because beyond 2018-19, elementary enrollments must be based on predicted births in calendar year 2013 – a year that is not yet complete, and for which data has not yet been 100% collected. Secondary level enrollments can be projected beyond that point with a greater assurance of reliability.

III. ENROLLMENT HISTORY

Grade-by-Grade Analysis

A Comparison to Peak Enrollment Years

III. ENROLLMENT HISTORY

This section of the report looks at historical enrollment patterns in two ways. The first is on a grade-by-grade basis, tracking the in-and out-migration of students as each kindergarten class moves through the system. The second provides a look at current enrollment as compared with peak enrollment years.

Grade-by-Grade Analysis

Table 16 shows Newton's historical cohort survival ratios by grade for the twenty-three years from 1991-92 through 2013-14. This table shows the net in-and out-migration patterns for each grade level. *Ratios greater than one indicate growth and ratios less than one indicate a decrease in the trend. This school year, all ratios except grade 5-6 are 1.00 or higher, underscoring the current pattern of growth in the schools.* Over the years each cohort moving from K-1 has a survival ratio greater than one. This indicates net in-migration as a class or cohort moves from K to grade 1. This year, the ratio from grade K-1 is typical of the last few decades, at 1.05. The grade 8-9 ratio of 1.07 is the highest shown on Table 16. Ten of the twelve ratios are above 1.0 this year as follows: 1.05 in grade K-1; 1.01 in grades 1-2, 3-4, 4-5, 9-10, and 11-12; 1.02 in grades 2-3 and 7-8; 1.04 in grade 6-7; and 1.07 in grade 8-9. Grades with ratios of 1.00 include grades 10-11.

This year's ratio of 0.96 from grade 5-6 is the only ratio below 1.00. In past years and in this year, the transition from elementary school to middle school has been marked by net out-migration between grades 5 to 6 as some students leave to enroll in private schools. Conversely, the transition from grade 8 to high school has historically shown a net in-migration as students enter the public school during this transition year.

Table 15 shows the changes in size of each grade from 2012-13 to 2013-14. Eleven of the twelve migrations were positive, the largest of which was +65 students from grade 8 to grade 9, followed by +43 students from kindergarten to grade 1. The *only* negative migration was -43 students from grade 5 to grade 6. Please refer to Section V – Student Exits, Entrances and Transfers Report, for comprehensive information on recent student mobility including the addition of parent surveys this year.

A Comparison to Peak Enrollment Years

Total 2013-14 enrollment of 12,441 is 68% of the 1967 peak enrollment of 18,424. North High school enrollment of 2,015 students has declined by 961 students, or 32%, since the 1972 peak enrollment year of 2,976. At that point in time, the school held only grades 10 through 12. Current South High School enrollment of 1,778 is only 6 students fewer than the 2007-08 historic peak enrollment of 1,784.

<u>Peak</u>	<u>Enrollment</u>	<u>Year</u>	<u>Number of K -12 Schools</u>
K-12	18,424	1967	23 Elementary, 5 Jr. Highs, 2 Sr. Highs
K-6	9,887	1960	25 Elementary, 5 Jr. Highs, 2 Sr. Highs, 1 Technical High School
North High	2,976	1972	23 Elementary, 5 Jr. Highs, 2 Sr. Highs
South High	1,784	2007	15 Elementary, 4 Middle Schools, 2 Sr. Highs

**TABLE 15
ENROLLMENTS BY GRADE
2012 and 2013**

Grade	October 1 Enrollment		Changes in Enrollment 2012-2013 to 2013-2014		
	2012	Net Migration	2013	N	%
K	934	+43	958	+24	+2.6%
1	936	+9	977	+41	+4.4%
2	966	+16	945	-21	-2.2%
3	981	+12	982	+1	+0.1%
4	938	+6	993	+55	+5.9%
5	1,021	-43	944	-77	-7.5%
Special Education*	14		0	-14	-100.0%
TOTAL ELEMENTARY SCHOOLS	5,790		5,799	+9	+0.2%
6	900	+32	978	+78	+8.7%
7	922	+17	932	+10	+1.1%
8	889	+65	939	+50	+5.6%
9	931	+10	954	+23	+2.5%
10	886	+2	941	+55	+6.2%
11	897	+13	888	-9	-1.0%
12	845		910	+65	+7.7%
Special Education/Ungraded**	110		100	-10	-9.1%
TOTAL SECONDARY SCHOOLS	6,380		6,642	+262	+4.1%
GRAND TOTAL	12,170		12,441	+271	+2.2%

* Includes students who receive special education services outside the regular classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

** Includes students who receive special education services beyond grade twelve.

TABLE 16
HISTORICAL COHORT SURVIVAL RATIOS BY GRADE

School Year	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
91-92	1.04	1.00	1.00	0.99	0.99	1.01	0.97	1.02	1.05	1.04	1.00	1.00
92-93	1.05	1.00	1.01	1.00	0.99	1.00	0.96	1.02	1.02	1.04	0.99	1.02
93-94	1.05	1.02	1.03	0.99	0.97	0.99	0.96	1.02	1.04	1.03	1.03	0.99
94-95	1.04	1.00	1.00	1.00	0.99	1.01	1.01	1.02	1.06	0.96	0.93	0.95
95-96	1.03	0.97	0.97	0.99	0.98	0.98	0.97	1.00	1.02	0.99	1.00	1.02
96-97	1.04	0.98	1.01	0.99	0.98	0.98	1.00	1.02	0.99	0.99	0.99	0.98
97-98	1.02	1.00	0.99	1.00	0.99	0.98	1.00	1.01	1.05	1.00	0.99	0.99
98-99	1.05	1.01	1.00	1.00	1.02	0.97	1.00	1.03	1.05	1.02	1.02	1.01
99-00	1.03	1.02	1.00	1.01	1.01	0.97	1.00	1.01	1.06	1.01	0.96	1.01
00-01	1.02	0.99	1.03	1.00	1.01	0.98	1.02	1.01	1.03	0.97	0.99	1.01
01-02	1.02	1.01	0.99	1.01	1.02	0.96	1.01	0.99	1.02	1.00	0.99	1.00
02-03	1.05	1.06	1.00	1.01	1.00	1.00	1.02	1.00	1.00	1.00	1.02	0.97
03-04	1.06	1.03	1.03	1.00	0.97	1.00	0.98	0.99	1.02	1.01	1.00	1.00
04-05	1.08	1.00	1.00	1.00	0.99	1.00	0.99	1.00	1.03	1.00	0.99	1.00
05-06	1.06	1.01	1.03	1.02	1.00	0.99	1.01	1.00	1.02	1.02	1.00	0.99
06-07	1.06	1.05	1.03	1.00	1.00	1.00	1.01	1.00	1.01	0.99	1.02	0.98
07-08	1.04	1.04	1.00	1.00	1.00	0.97	1.00	0.98	1.05	1.01	1.02	0.99
08-09	1.09	1.00	1.01	1.02	1.01	0.97	1.01	0.98	1.03	0.99	0.99	0.99
09-10	1.06	1.04	1.01	1.01	0.97	0.97	1.00	1.01	1.03	1.03	0.99	0.97
10-11	1.07	1.04	1.02	1.00	0.99	0.98	0.98	0.99	1.07	1.02	1.00	1.02
11-12	1.05	1.03	1.02	1.01	1.01	0.96	1.01	1.00	1.07	0.99	0.99	0.98
12-13	1.05	1.03	1.03	1.02	1.00	0.96	1.00	1.02	1.08	1.01	1.00	1.00
13-14	1.05	1.01	1.02	1.01	1.01	0.96	1.04	1.02	1.07	1.01	1.00	1.01

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2007-2008 TO 2018-2019

Year	ANGIER SCHOOL			BOWEN SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	401	5.8%	22	428	3.6%	15
2008-2009	392	-2.2%	-9	435	1.6%	7
2009-2010	389	-0.8%	-3	454	4.4%	19
2010-2011	375	-3.6%	-14	449	-1.1%	-5
2011-2012	395	5.3%	20	448	-0.2%	-1
2012-2013	408	3.3%	13	477	6.5%	29
2013-2014	417	2.2%	9	502	5.2%	25
2014-2015	422	1.2%	5	493	-1.8%	-9
2015-2016	428	1.4%	6	505	2.4%	12
2016-2017	432	0.9%	4	510	1.0%	5
2017-2018	443	2.5%	11	521	2.2%	11
2018-2019	443	0.0%	0	520	-0.2%	-1
% Change 2007-2008 to 2018-2019		10.5%			21.5%	
% Change 2007-2008 to 2013-2014		4.0%			17.3%	

Year	BURR SCHOOL			CABOT SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	331	-0.6%	-2	424	1.0%	4
2008-2009	369	11.5%	38	425	0.2%	1
2009-2010	379	2.7%	10	449	5.6%	24
2010-2011	391	3.2%	12	452	0.7%	3
2011-2012	409	4.6%	18	440	-2.7%	-12
2012-2013	415	1.5%	6	420	-4.5%	-20
2013-2014	424	2.2%	9	419	-0.2%	-1
2014-2015	423	-0.2%	-1	422	0.7%	3
2015-2016	425	0.5%	2	419	-0.7%	-3
2016-2017	429	0.9%	4	412	-1.7%	-7
2017-2018	428	-0.2%	-1	417	1.2%	5
2018-2019	432	0.9%	4	404	-3.1%	-13
% Change 2007-2008 to 2018-2019		30.5%			-4.7%	
% Change 2007-2008 to 2013-2014		28.1%			-1.2%	

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2007-2008 TO 2018-2019

Year	COUNTRYSIDE SCHOOL			FRANKLIN SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	447	2.3%	10	401	-3.1%	-13
2008-2009	479	7.2%	32	396	-1.2%	-5
2009-2010	472	-1.5%	-7	402	1.5%	6
2010-2011	499	5.7%	27	397	-1.2%	-5
2011-2012	490	-1.8%	-9	401	1.0%	4
2012-2013	479	-2.2%	-11	396	-1.2%	-5
2013-2014	457	-4.6%	-22	389	-1.8%	-7
2014-2015	455	-0.4%	-2	397	2.1%	8
2015-2016	435	-4.4%	-20	393	-1.0%	-4
2016-2017	420	-3.4%	-15	414	5.3%	21
2017-2018	414	-1.4%	-6	407	-1.7%	-7
2018-2019	413	-0.2%	-1	414	1.7%	7
% Change 2007-2008 to 2018-2019		-7.6%			3.2%	
% Change 2007-2008 to 2013-2014		2.2%			-3.0%	

Year	HORACE MANN SCHOOL			LINCOLN-ELIOT SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	348	-0.6%	-2	293	4.3%	12
2008-2009	370	6.3%	22	284	-3.1%	-9
2009-2010	371	0.3%	1	291	2.5%	7
2010-2011	373	0.5%	2	293	0.7%	2
2011-2012	386	3.5%	13	317	8.2%	24
2012-2013	394	2.1%	8	322	1.6%	5
2013-2014	427	8.4%	33	329	2.2%	7
2014-2015	436	2.1%	9	330	0.3%	1
2015-2016	443	1.6%	7	335	1.5%	5
2016-2017	446	0.7%	3	329	-1.8%	-6
2017-2018	437	-2.0%	-9	323	-1.8%	-6
2018-2019	432	-1.1%	-5	327	1.2%	4
% Change 2007-2008 to 2018-2019		24.1%			11.6%	
% Change 2007-2008 to 2013-2014		22.7%			12.3%	

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2007-2008 TO 2018-2019

Year	MASON-RICE SCHOOL			MEMORIAL-SPAULDING SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	410	10.2%	38	449	1.4%	6
2008-2009	422	2.9%	12	442	-1.6%	-7
2009-2010	428	1.4%	6	438	-0.9%	-4
2010-2011	442	3.3%	14	459	4.8%	21
2011-2012	437	-1.1%	-5	458	-0.2%	-1
2012-2013	438	0.2%	1	464	1.3%	6
2013-2014	457	4.3%	19	429	-7.5%	-35
2014-2015	462	1.1%	5	437	1.9%	8
2015-2016	462	0.0%	0	449	2.7%	12
2016-2017	472	2.2%	10	452	0.7%	3
2017-2018	487	3.2%	15	461	2.0%	9
2018-2019	484	-0.6%	-3	458	-0.7%	-3
% Change 2007-2008 to 2018-2019		18.0%			2.0%	
% Change 2007-2008 to 2013-2014		11.5%			-4.5%	

Year	PEIRCE SCHOOL			UNDERWOOD SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	329	1.5%	5	295	2.4%	7
2008-2009	338	2.7%	9	282	-4.4%	-13
2009-2010	329	-2.7%	-9	262	-7.1%	-20
2010-2011	318	-3.3%	-11	282	7.6%	20
2011-2012	316	-0.6%	-2	289	2.5%	7
2012-2013	337	6.6%	21	310	7.3%	21
2013-2014	312	-7.4%	-25	327	5.5%	17
2014-2015	317	1.6%	5	339	3.7%	12
2015-2016	326	2.8%	9	330	-2.7%	-9
2016-2017	328	0.6%	2	323	-2.1%	-7
2017-2018	321	-2.1%	-7	330	2.2%	7
2018-2019	321	0.0%	0	325	-1.5%	-5
% Change 2007-2008 to 2018-2019		-2.4%			10.2%	
% Change 2007-2008 to 2013-2014		-5.2%			10.8%	

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2007-2008 TO 2018-2019

Year	WARD SCHOOL			WILLIAMS SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	247	4.2%	10	281	-4.7%	-14
2008-2009	260	5.3%	13	276	-1.8%	-5
2009-2010	260	0.0%	0	277	0.4%	1
2010-2011	269	3.5%	9	298	7.6%	21
2011-2012	278	3.3%	9	302	1.3%	4
2012-2013	301	8.3%	23	304	0.7%	2
2013-2014	289	-4.0%	-12	304	0.0%	0
2014-2015	296	2.4%	7	303	-0.3%	-1
2015-2016	296	0.0%	0	283	-6.6%	-20
2016-2017	303	2.4%	7	294	3.9%	11
2017-2018	305	0.7%	2	314	6.8%	20
2018-2019	301	-1.3%	-4	312	-0.6%	-2
% Change 2007-2008 to 2018-2019		21.9%			11.0%	
% Change 2007-2008 to 2013-2014		17.0%			8.2%	

Year	ZERVAS SCHOOL			TOTAL ELEMENTARY K-5		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	324	-2.4%	-8	5,408	1.7%	90
2008-2009	328	1.2%	4	5,498	1.7%	90
2009-2010	326	-0.6%	-2	5,527	0.5%	29
2010-2011	349	7.1%	23	5,646	2.2%	119
2011-2012	321	-8.0%	-28	5,687	0.7%	41
2012-2013	325	1.2%	4	5,790	1.8%	103
2013-2014	317	-2.5%	-8	5,799	0.2%	9
2014-2015	328	3.5%	11	5,860	1.1%	61
2015-2016	341	4.0%	13	5,870	0.2%	10
2016-2017	335	-1.8%	-6	5,899	0.5%	29
2017-2018	355	6.0%	20	5,963	1.1%	64
2018-2019	355	0.0%	0	5,941	-0.4%	-22
% Change 2007-2008 to 2018-2019		9.6%			9.9%	
% Change 2007-2008 to 2013-2014		-2.2%			7.2%	

TABLE 18
PERCENT OF CHANGE BY MIDDLE SCHOOL
2007-2008 TO 2018-2019

Year	BIGELOW MIDDLE SCHOOL			BROWN MIDDLE SCHOOL			DAY MIDDLE SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2007-2008	487	-1.6%	-8	644	-3.2%	37	764	2.3%	-17
2008-2009	505	3.7%	18	681	5.7%	37	747	-2.2%	-17
2009-2010	527	4.4%	22	684	0.4%	3	773	3.5%	26
2010-2011	523	-0.8%	-4	666	-2.6%	-18	758	-1.9%	-15
2011-2012	533	1.9%	10	677	1.7%	11	845	11.5%	87
2012-2013	531	-0.4%	-2	698	3.1%	21	874	3.4%	29
2013-2014	525	-1.1%	-6	743	6.4%	45	947	8.4%	73
2014-2015	489	-6.9%	-36	742	-0.1%	-1	955	0.8%	8
2015-2016	489	0.0%	0	769	3.6%	27	996	4.3%	41
2016-2017	503	2.9%	14	749	-2.6%	-20	977	-1.9%	-19
2017-2018	526	4.6%	23	746	-0.4%	-3	1025	4.9%	48
2018-2019	521	-1.0%	-5	734	-1.6%	-12	1046	2.0%	21
% Change 2007-2008 to 2018-2019		7.0%			14.0%			36.9%	
% Change 2007-2008 to 2013-2014		7.8%			15.4%			24.0%	

Year	OAK HILL MIDDLE SCHOOL			TOTAL MIDDLE SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2007-2008	558			2453	0.5%	12
2008-2009	547	-2.0%	-11	2480	1.1%	27
2009-2010	572	4.6%	25	2556	3.1%	76
2010-2011	603	5.4%	31	2550	-0.2%	-6
2011-2012	612	1.5%	9	2667	4.6%	117
2012-2013	616	0.7%	4	2719	1.9%	52
2013-2014	634	2.9%	18	2849	4.8%	130
2014-2015	652	2.8%	18	2838	-0.4%	-11
2015-2016	615	-5.7%	-37	2869	1.1%	31
2016-2017	623	1.3%	8	2852	-0.6%	-17
2017-2018	594	-4.7%	-29	2891	1.4%	39
2018-2019	643	8.2%	49	2944	1.8%	53
% Change 2007-2008 to 2018- 2019		15.2%			20.0%	
% Change 2007-2008 to 2013- 2014		13.6%			16.1%	

TABLE 19
PERCENT OF CHANGE BY HIGH SCHOOL
2007-2008 TO 2018-2019

Year	NORTH HIGH SCHOOL			SOUTH HIGH SCHOOL			TOTAL HIGH SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2007-2008	1,911	-2.7%	-53	1,784	2.2%	39	3,695	-0.4%	-14
2008-2009	1,829	-4.3%	-82	1,763	-1.2%	-21	3,592	-2.8%	-103
2009-2010	1,802	-1.5%	-27	1,722	-2.3%	-41	3,524	-1.9%	-68
2010-2011	1,871	3.8%	69	1,708	-0.8%	-14	3,579	1.6%	55
2011-2012	1,877	0.3%	6	1,691	-1.0%	-17	3,568	-0.3%	-11
2012-2013	1,940	3.4%	63	1,721	1.8%	30	3,661	2.6%	93
2013-2014	2,015	3.9%	75	1,778	3.3%	57	3,793	3.6%	132
2014-2015	2,062	2.3%	47	1,829	2.9%	51	3,891	2.6%	98
2015-2016	2,132	3.4%	70	1,887	3.2%	58	4,019	3.3%	128
2016-2017	2,201	3.2%	69	1,949	3.3%	62	4,150	3.3%	131
2017-2018	2,211	0.5%	10	1,977	1.4%	28	4,188	0.9%	38
2018-2019	2,224	0.6%	13	2,000	1.2%	23	4,224	0.9%	36
% Change 2007-2008 to 2018-2019		16.4%			12.1%			14.3%	
% Change 2007-2008 to 2013-2014		5.4%			-0.3%			2.7%	

IV. INDIVIDUAL SCHOOL REPORTS

IV. INDIVIDUAL SCHOOL REPORTS

The individual school reports contain the following information:

Elementary Schools

1. Enrollments by grade for last year (2012-13) and this year (2013-14) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2014-15 to 2018-19) are also reported based on a 5-year cohort survival ratio average for grades 1 through 5 and a 3-year cohort survival ratio average for kindergarten.
2. Ten years of kindergarten and total school enrollments.
3. Distribution of the ages of incoming kindergarten students since 2006.
4. The number of children younger than age five living in each district.
5. A line graph depicting enrollment history over time (45 years) and projections (5 years).

Middle Schools

1. Enrollments by grade for last year (2012-13) and this year (2013-14) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2014-15 to 2018-19) are also presented based on a 5-year cohort survival ratio average.
2. Ten years of enrollment change.
3. Number of 5th grade students from feeder elementary schools who will enter the 6th grade next year (2014-15).
4. A line graph depicting enrollment history over time (45 years) and projections (5 years).

High Schools

1. Enrollments by grade for last year (2012-13) and this year (2013-14) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2014-15 to 2018-19) are also presented based on a 5-year cohort survival ratio average.
2. Ten years enrollment change.
3. Number of 8th grade students from feeder middle schools who will enter the 9th grade next year (2014-15).
4. A line graph depicting enrollment history over time (45 years) and projections (5 years).

Angier

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	69	67	-2	-2.9%	57	63	64	66	66
1	64	69	5	7.8%	70	61	67	69	69
2	72	69	-3	-4.2%	76	77	69	75	76
3	63	75	12	19.0%	72	79	80	72	78
4	68	71	3	4.4%	76	72	80	81	73
5	72	66	-6	-8.3%	71	76	72	80	81
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	408	417*	9	2.2%	422	428	432	443	443

*Includes 23 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	61	363		
2005	58	370	7	1.9%
2006	60	379	9	2.4%
2007	67	401	22	5.8%
2008	47	392	-9	-2.2%
2009	48	389	-3	-0.8%
2010	57	375	-14	-3.6%
2011	62	395	20	5.3%
2012	69	408	13	3.3%
2013	67	417	9	2.2%

Peak enrollment year: 2013, 417 students

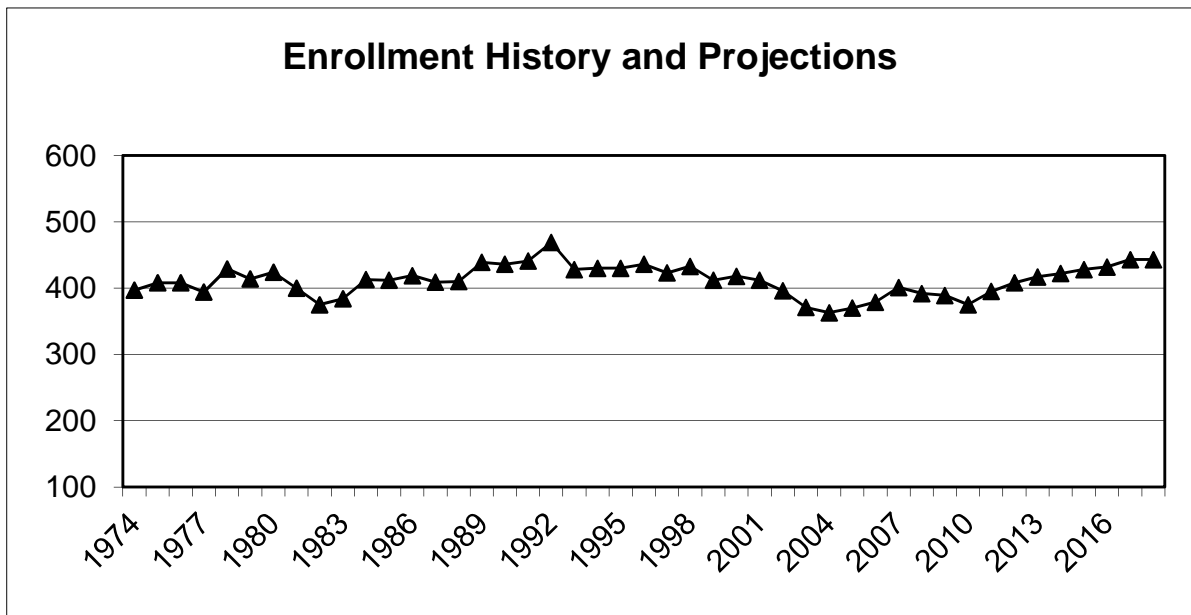
Angier

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	57	95.0%	3	5.0%	60
2007	58	86.6%	9	13.4%	67
2008	43	91.5%	4	8.5%	47
2009	43	89.6%	5	10.4%	48
2010	56	98.2%	1	1.8%	57
2011	57	91.9%	5	8.1%	62
2012	67	97.1%	2	2.9%	69
2013	63	94.0%	4	6.0%	67

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	24	2017-2018
2	39	2016-2017
3	36	2015-2016
4	40	2014-2015



Bowen

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	79	95	16	20.3%	67	74	77	78	79
1	76	84	8	10.5%	99	70	79	81	82
2	79	76	-3	-3.8%	87	103	73	82	85
3	79	84	5	6.3%	79	91	107	76	85
4	81	74	-7	-8.6%	85	80	92	109	77
5	83	89	6	7.2%	76	87	82	95	112
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	477	502*	25	5.2%	493	505	510	521	520

*Includes 20 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	71	375		
2005	77	386	11	2.9%
2006	83	413	27	7.0%
2007	77	428	15	3.6%
2008	59	435	7	1.6%
2009	69	454	19	4.4%
2010	70	449	-5	-1.1%
2011	67	448	-1	-0.2%
2012	79	477	29	6.5%
2013	95	502	25	5.2%

Peak enrollment year: 2013, 502 students

Bowen

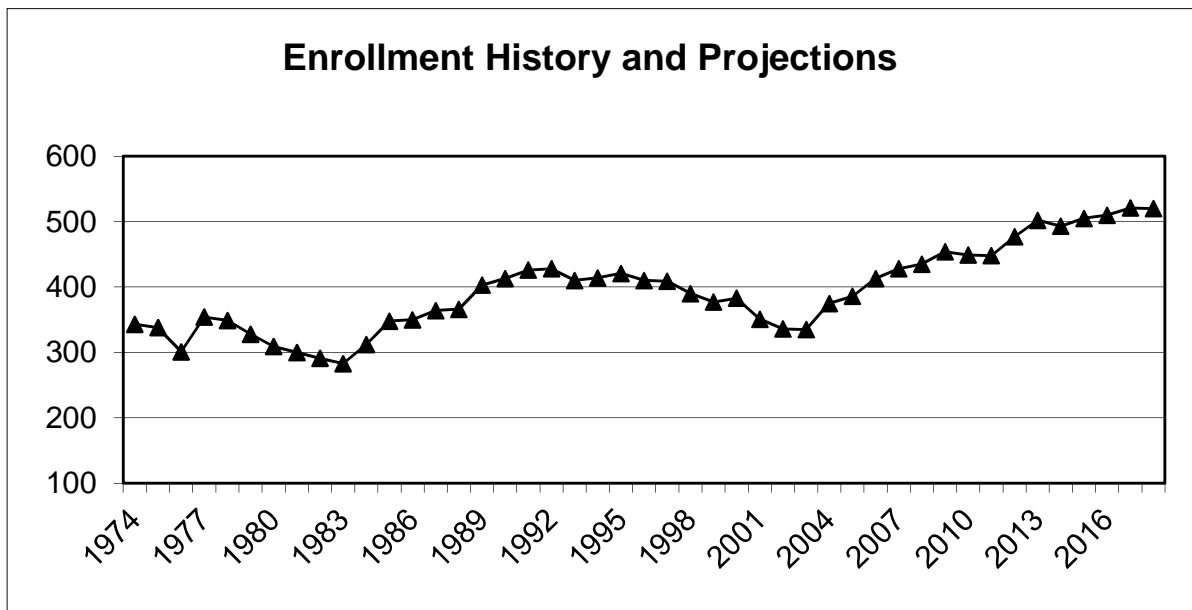
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	73	88.0%	10	12.0%	83
2007	68	88.3%	9	11.7%	77
2008	52	88.1%	7	11.9%	59
2009	61	88.4%	8	11.6%	69
2010	68	97.1%	2	2.9%	70
2011	63	94.0%	4	6.0%	67
2012	74	93.7%	5	6.3%	79
2013	93	97.9%	2	2.1%	95

*Age 6 for 2008-09 school year includes one 7-year old.

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	31	2017-2018
2	39	2016-2017
3	54	2015-2016
4	59	2014-2015



Burr

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	65	80	15	23.1%	65	69	68	68	69
1	69	66	-3	-4.3%	81	66	69	69	69
2	67	70	3	4.5%	66	81	66	69	69
3	74	68	-6	-8.1%	74	70	85	69	73
4	70	71	1	1.4%	68	73	69	85	69
5	70	69	-1	-1.4%	69	66	72	68	83
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	415	424*	9	2.2%	423	425	429	428	432

*Includes 5 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	55	314		
2005	45	314	0	0.0%
2006	60	333	19	6.1%
2007	54	331	-2	-0.6%
2008	68	369	38	11.5%
2009	69	379	10	2.7%
2010	65	391	12	3.2%
2011	68	409	18	4.6%
2012	65	415	6	1.5%
2013	80	424	9	2.2%

Peak enrollment year: 2013, 424 students

Burr

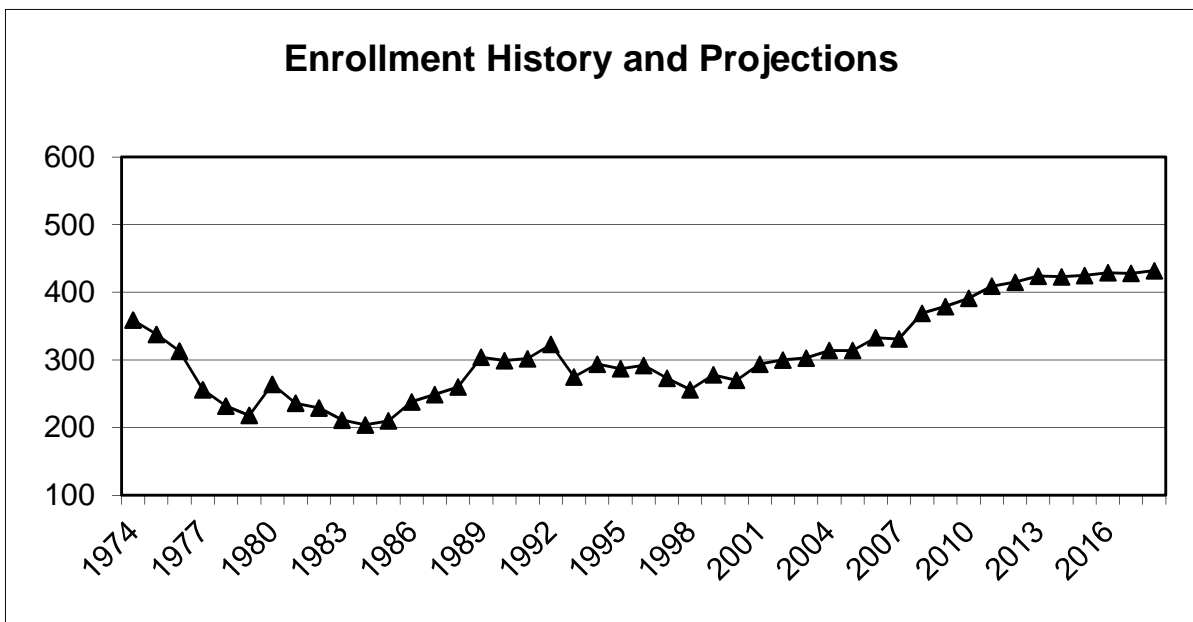
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	56	93.3%	4	6.7%	60
2007	43	79.6%	11	20.4%	54
2008	60	88.2%	8	11.8%	68
2009	60	87.0%	9	13.0%	69
2010	60	92.3%	5	7.7%	65
2011	64	94.1%	4	5.9%	68
2012	62	95.4%	3	4.6%	65
2013	78	97.5%	2	2.5%	80

*Age 6 for the 2007-08 and 2008-09 school years include one 7-year old.

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	22	2017-2018
2	24	2016-2017
3	40	2015-2016
4	42	2014-2015



Cabot

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	73	54	-19	-26.0%	66	66	65	63	63
1	62	80	18	29.0%	57	71	70	70	67
2	75	64	-11	-14.7%	81	58	72	71	71
3	71	77	6	8.5%	64	81	58	72	71
4	68	77	9	13.2%	78	65	83	59	73
5	71	67	-4	-5.6%	76	78	64	82	59
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	420	419*	-1	-0.2%	422	419	412	417	404

*Includes 16 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	69	357		
2005	74	391	34	9.5%
2006	71	420	29	7.4%
2007	60	424	4	1.0%
2008	63	425	1	0.2%
2009	69	449	24	5.6%
2010	72	452	3	0.7%
2011	63	440	-12	-2.7%
2012	73	420	-20	-4.5%
2013	54	419	-1	-0.2%

Peak enrollment year: 2010, 452 students

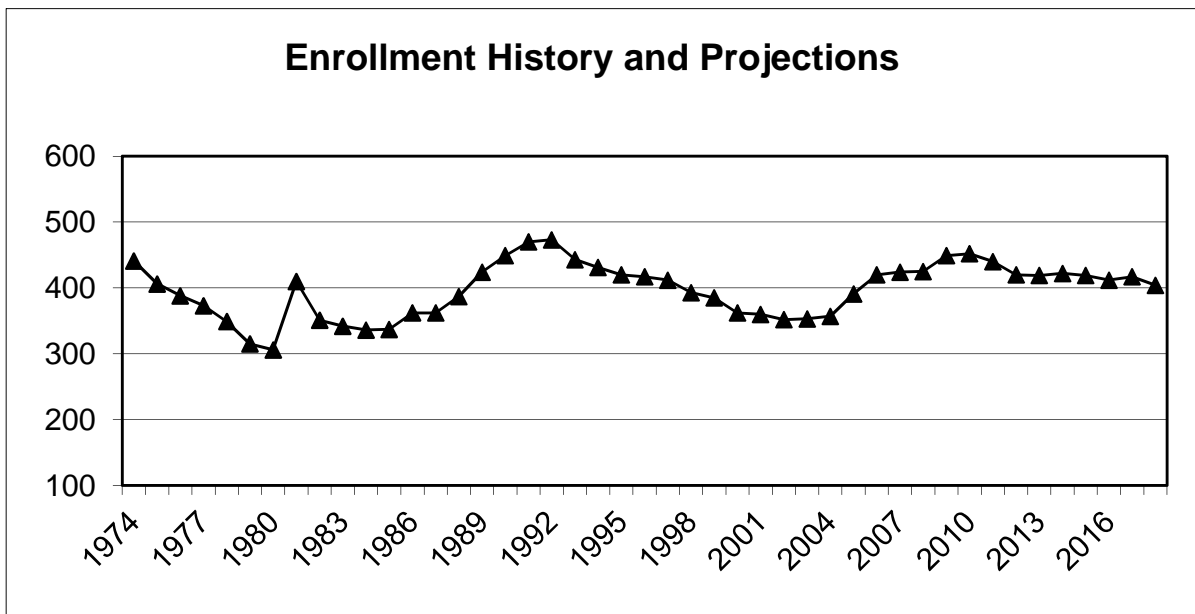
Cabot

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	66	93.0%	5	7.0%	71
2007	46	76.7%	14	23.3%	60
2008	56	88.9%	7	11.1%	63
2009	64	92.8%	5	7.2%	69
2010	71	98.6%	1	1.4%	72
2011	60	95.2%	3	4.8%	63
2012	68	93.2%	5	6.8%	73
2013	51	94.4%	3	5.6%	54

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	32	2017-2018
2	25	2016-2017
3	33	2015-2016
4	47	2014-2015



Countryside

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	69	64	-5	-7.2%	74	70	65	65	64
1	70	67	-3	-4.3%	68	76	72	66	67
2	82	72	-10	-12.2%	67	67	76	72	66
3	89	81	-8	-9.0%	72	67	67	76	72
4	78	92	14	17.9%	82	73	67	68	76
5	91	81	-10	-11.0%	92	82	73	67	68
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	479	457*	-22	-4.6%	455	435	420	414	413

*Includes 0 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	59	448		
2005	71	463	15	3.3%
2006	70	437	-26	-5.6%
2007	82	447	10	2.3%
2008	85	479	32	7.2%
2009	85	472	-7	-1.5%
2010	86	499	27	5.7%
2011	62	490	-9	-1.8%
2012	69	479	-11	-2.2%
2013	64	457	-22	-4.6%

Peak enrollment year: 2010, 499 students

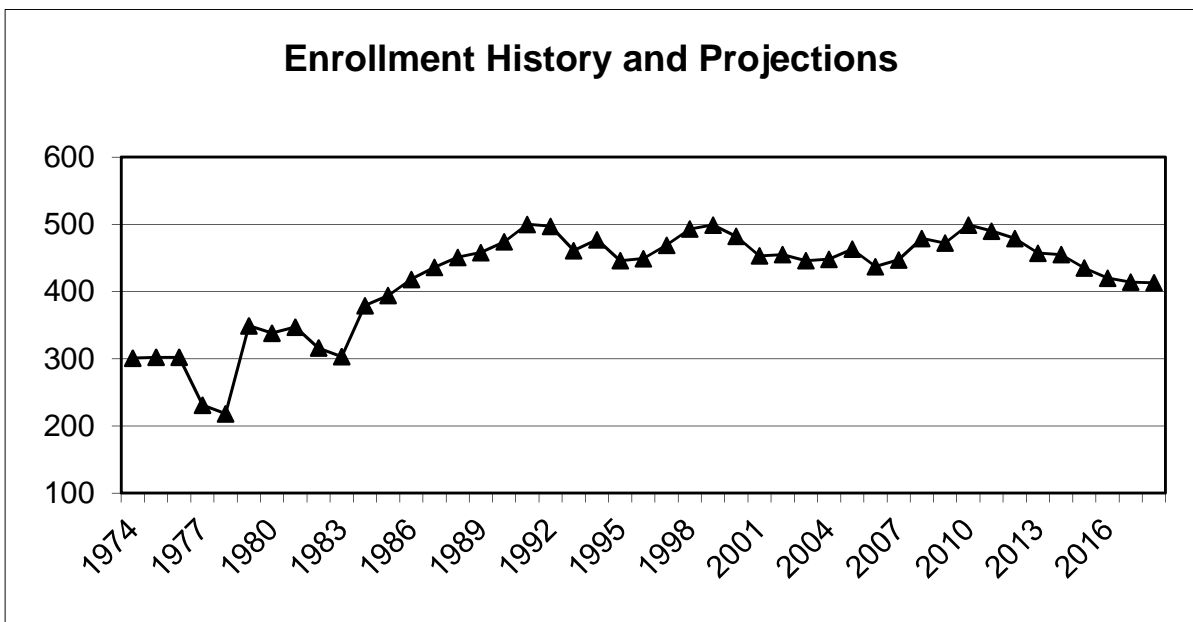
Countryside

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	58	82.9%	12	17.1%	70
2007	72	87.8%	10	12.2%	82
2008	71	83.5%	14	16.5%	85
2009	74	87.1%	11	12.9%	85
2010	83	96.5%	3	3.5%	86
2011	59	95.2%	3	4.8%	62
2012	66	95.7%	3	4.3%	69
2013	64	100.0%	0	0.0%	64

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	20	2017-2018
2	42	2016-2017
3	42	2015-2016
4	57	2014-2015



Franklin

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	63	78	15	23.8%	61	63	67	67	66
1	73	62	-11	-15.1%	81	63	64	68	68
2	48	73	25	52.1%	63	82	65	65	69
3	69	52	-17	-24.6%	74	63	83	65	66
4	57	65	8	14.0%	50	70	61	79	62
5	74	59	-15	-20.3%	68	52	74	63	83
Spec. Ed.**	12	0	-12	-100.0%	0	0	0	0	0
TOTAL	396	389*	-7	-1.8%	397	393	414	407	414

*Includes 10 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	58	386		
2005	76	385	-1	-0.3%
2006	69	414	29	7.5%
2007	64	401	-13	-3.1%
2008	56	396	-5	-1.2%
2009	67	402	6	1.5%
2010	42	397	-5	-1.2%
2011	72	401	4	1.0%
2012	63	396	-5	-1.2%
2013	78	389	-7	-1.8%

Peak enrollment year: 2006, 414 students

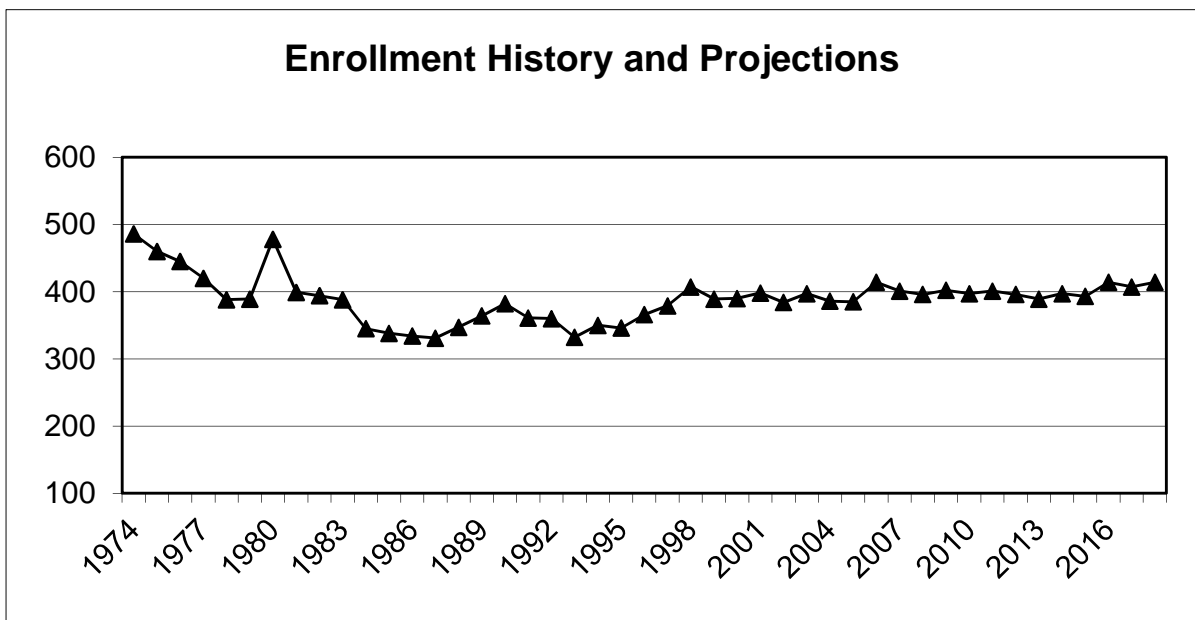
Franklin

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	62	89.9%	7	10.1%	69
2007	61	95.3%	3	4.7%	64
2008	46	82.1%	10	17.9%	56
2009	63	94.0%	4	6.0%	67
2010	35	83.3%	7	16.7%	42
2011	71	98.6%	1	1.4%	72
2012	61	96.8%	2	3.2%	63
2013	77	98.7%	1	1.3%	78

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	42	2017-2018
2	47	2016-2017
3	46	2015-2016
4	50	2014-2015



Horace Mann

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	65	67	2	3.1%	67	69	69	68	67
1	84	74	-10	-11.9%	71	70	72	72	71
2	64	80	16	25.0%	74	71	69	72	72
3	61	70	9	14.8%	81	75	72	71	73
4	67	70	3	4.5%	74	85	79	76	74
5	53	66	13	24.5%	69	73	85	78	75
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	394	427*	33	8.4%	436	443	446	437	432

*Includes 12 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	64	337		
2005	57	344	7	2.1%
2006	58	350	6	1.7%
2007	49	348	-2	-0.6%
2008	67	370	22	6.3%
2009	57	371	1	0.3%
2010	67	373	2	0.5%
2011	80	386	13	3.5%
2012	65	394	8	2.1%
2013	67	427	33	8.4%

Peak enrollment year: 2013, 427 students

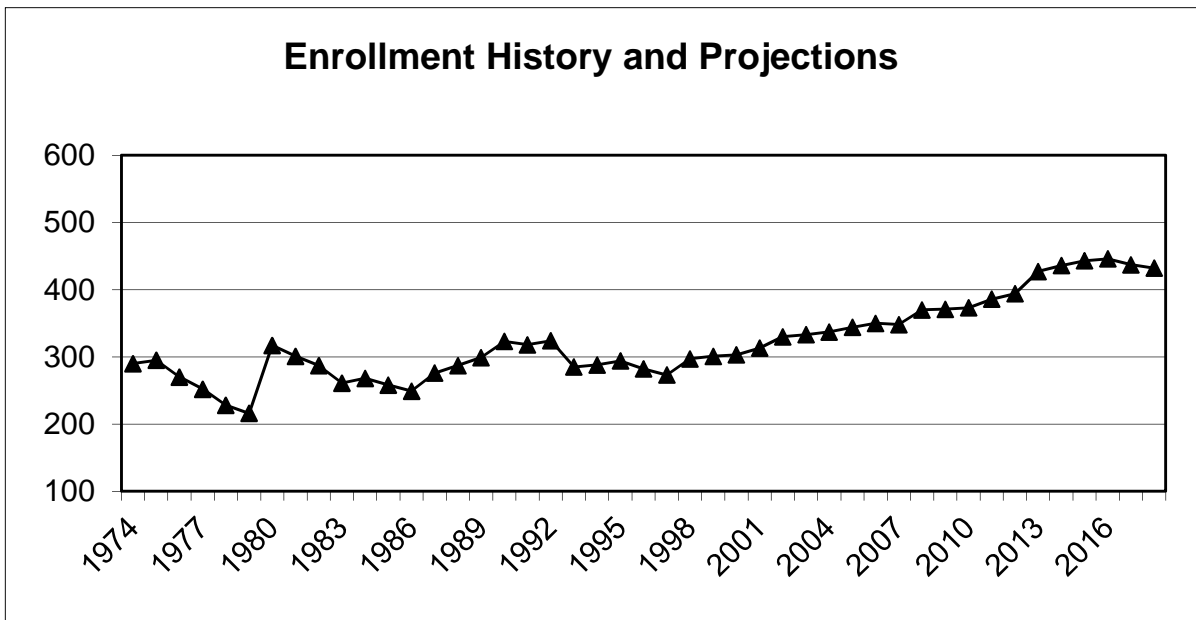
Horace Mann

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	53	91.4%	5	8.6%	58
2007	46	93.9%	3	6.1%	49
2008	57	86.4%	9	13.6%	66
2009	53	93.0%	4	7.0%	57
2010	65	97.0%	2	3.0%	67
2011	78	97.5%	2	2.5%	80
2012	59	90.8%	6	9.2%	65
2013	66	98.5%	1	1.5%	67

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	26	2017-2018
2	31	2016-2017
3	33	2015-2016
4	39	2014-2015



Lincoln-Eliot

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	48	63	15	31.3%	47	54	52	53	54
1	57	49	-8	-14.0%	63	46	55	52	52
2	64	57	-7	-10.9%	48	62	45	53	51
3	48	59	11	22.9%	58	49	63	46	54
4	45	51	6	13.3%	61	60	51	66	48
5	60	50	-10	-16.7%	53	64	63	53	68
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	322	329*	7	2.2%	330	335	329	323	327

*Includes 17 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	30	229		
2005	62	282	53	23.1%
2006	47	281	-1	-0.4%
2007	45	293	12	4.3%
2008	43	284	-9	-3.1%
2009	49	291	7	2.5%
2010	58	293	2	0.7%
2011	55	317	24	8.2%
2012	48	322	5	1.6%
2013	63	329	7	2.2%

Peak enrollment year: 2013, 329 students

Lincoln-Eliot

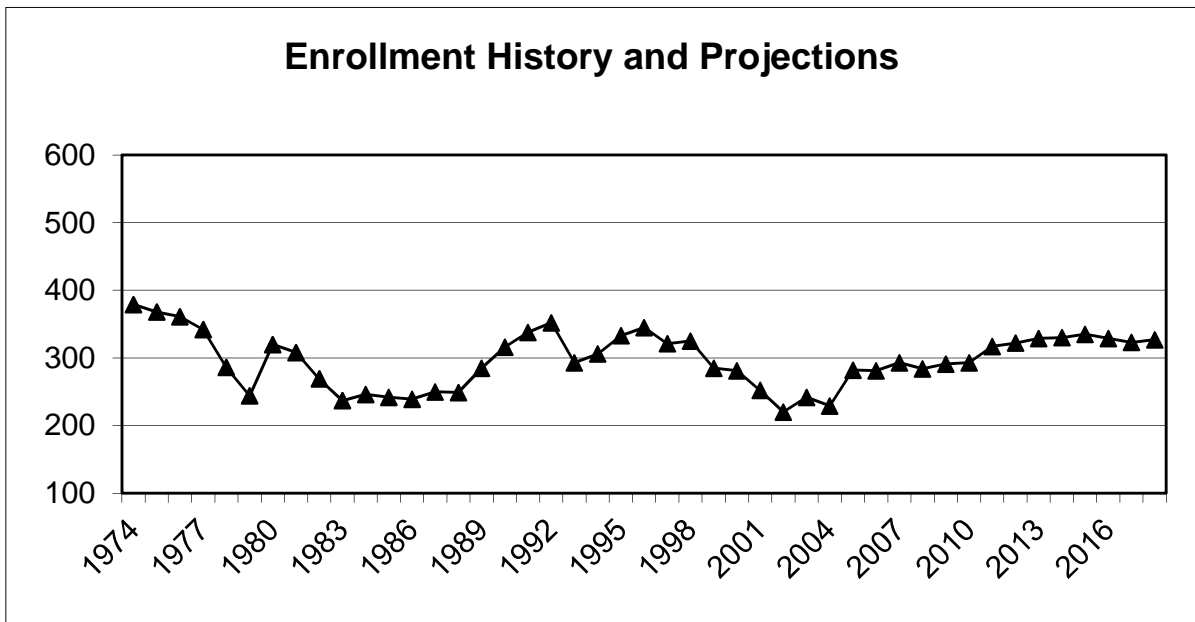
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	44	93.6%	3	6.4%	47
2007	41	91.1%	4	8.9%	45
2008	40	93.0%	3	7.0%	43
2009	43	87.8%	6	12.2%	49
2010	55	94.8%	3	5.2%	58
2011	53	96.4%	2	3.6%	55
2012	48	100.0%	0	0.0%	48
2013	63	100.0%	0	0.0%	63

*Age 6 for the 2007-08 school year included one 7-year old.

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	40	2017-2018
2	30	2016-2017
3	34	2015-2016
4	31	2014-2015



Mason-Rice

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	79	88	9	11.4%	72	73	75	77	78
1	63	82	19	30.2%	90	73	75	77	80
2	71	66	-5	-7.0%	85	93	76	77	79
3	76	72	-4	-5.3%	67	86	95	77	78
4	73	78	5	6.8%	72	67	86	95	77
5	76	71	-5	-6.6%	76	70	65	84	92
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	438	457*	19	4.3%	462	462	472	487	484

*Includes 5 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	60	365		
2005	71	372	7	1.9%
2006	58	372	0	0.0%
2007	75	410	38	10.2%
2008	67	422	12	2.9%
2009	72	428	6	1.4%
2010	64	442	14	3.3%
2011	64	437	-5	-1.1%
2012	79	438	1	0.2%
2013	88	457	19	4.3%

Peak enrollment year: 2013, 457 students

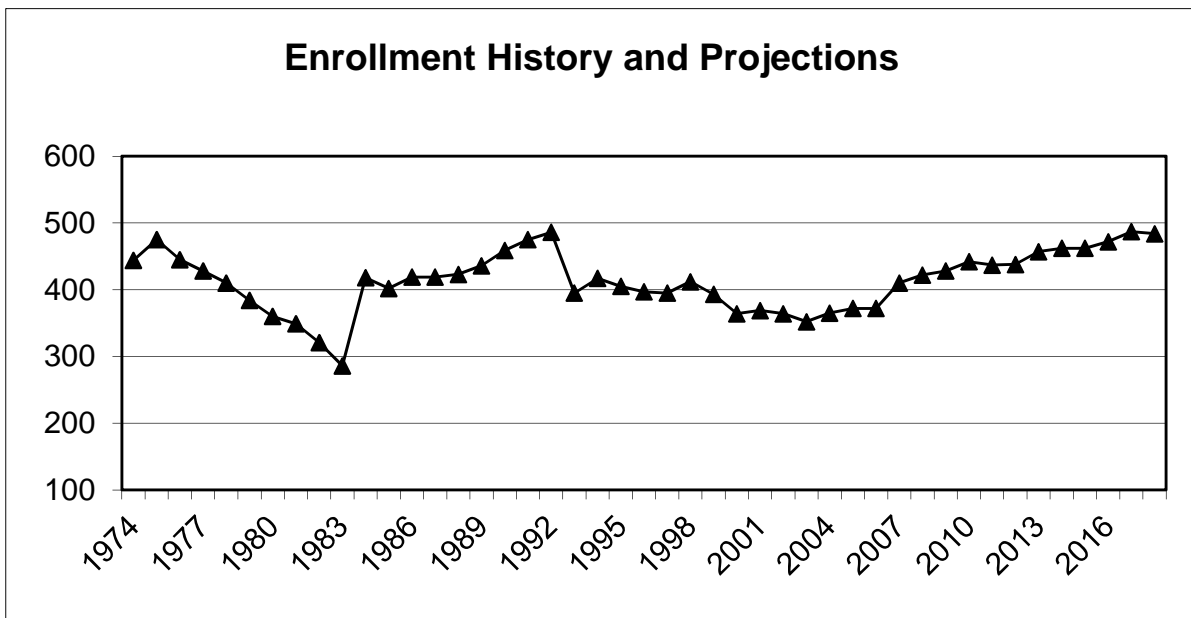
Mason-Rice

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	52	89.7%	6	10.3%	58
2007	70	93.3%	5	6.7%	75
2008	61	91.0%	6	9.0%	67
2009	61	84.7%	11	15.3%	72
2010	62	96.9%	2	3.1%	64
2011	61	95.3%	3	4.7%	64
2012	69	87.3%	10	12.7%	79
2013	78	88.6%	10	11.4%	88

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	24	2017-2018
2	40	2016-2017
3	45	2015-2016
4	48	2014-2015



Memorial-Spaulling

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	69	67	-2	-2.9%	68	69	67	67	66
1	77	73	-4	-5.2%	76	75	76	74	73
2	81	68	-13	-16.0%	78	78	77	79	76
3	73	74	1	1.4%	68	78	78	77	80
4	81	69	-12	-14.8%	77	71	82	82	81
5	83	78	-5	-6.0%	70	78	72	82	82
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	464	429*	-35	-7.5%	437	449	452	461	458

*Includes 19 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	63	427		
2005	59	419	-8	-1.9%
2006	74	443	24	5.7%
2007	58	449	6	1.4%
2008	62	442	-7	-1.6%
2009	62	438	-4	-0.9%
2010	74	459	21	4.8%
2011	66	458	-1	-0.2%
2012	69	464	6	1.3%
2013	67	429	-35	-7.5%

Peak enrollment year: 2012, 464 students

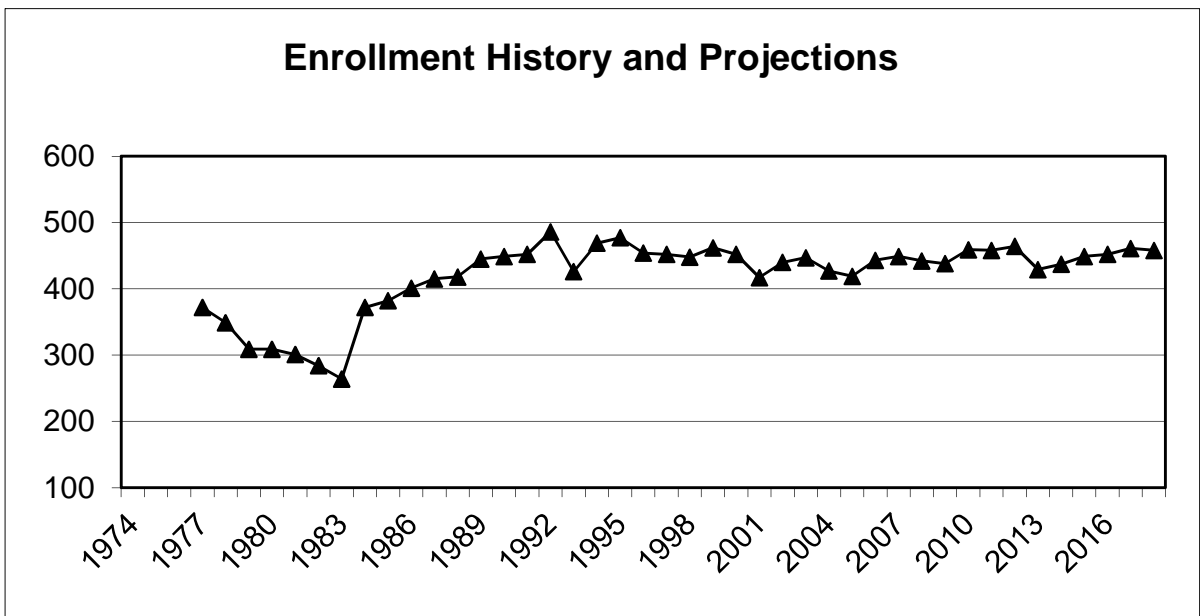
Memorial-Spaulling

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	69	93.2%	5	6.8%	74
2007	50	86.2%	8	13.8%	58
2008	57	91.9%	5	8.1%	62
2009	58	93.5%	4	6.5%	62
2010	71	95.9%	3	4.1%	74
2011	62	93.9%	4	6.1%	66
2012	68	98.6%	1	1.4%	69
2013	65	97.0%	2	3.0%	67

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	26	2017-2018
2	24	2016-2017
3	40	2015-2016
4	45	2014-2015



Peirce

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	51	46	-5	-9.8%	45	48	49	48	46
1	62	52	-10	-16.1%	53	50	55	54	53
2	53	63	10	18.9%	54	54	51	58	56
3	52	57	5	9.6%	65	55	56	53	60
4	52	45	-7	-13.5%	56	64	55	55	52
5	67	49	-18	-26.9%	44	55	62	53	54
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	337	312*	-25	-7.4%	317	326	328	321	321

*Includes 15 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	44	286		
2005	46	306	20	7.0%
2006	49	324	18	5.9%
2007	53	329	5	1.5%
2008	39	338	9	2.7%
2009	39	329	-9	-2.7%
2010	45	318	-11	-3.3%
2011	55	316	-2	-0.6%
2012	51	337	21	6.6%
2013	46	312	-25	-7.4%

Peak enrollment year: 2008, 338 students

Peirce

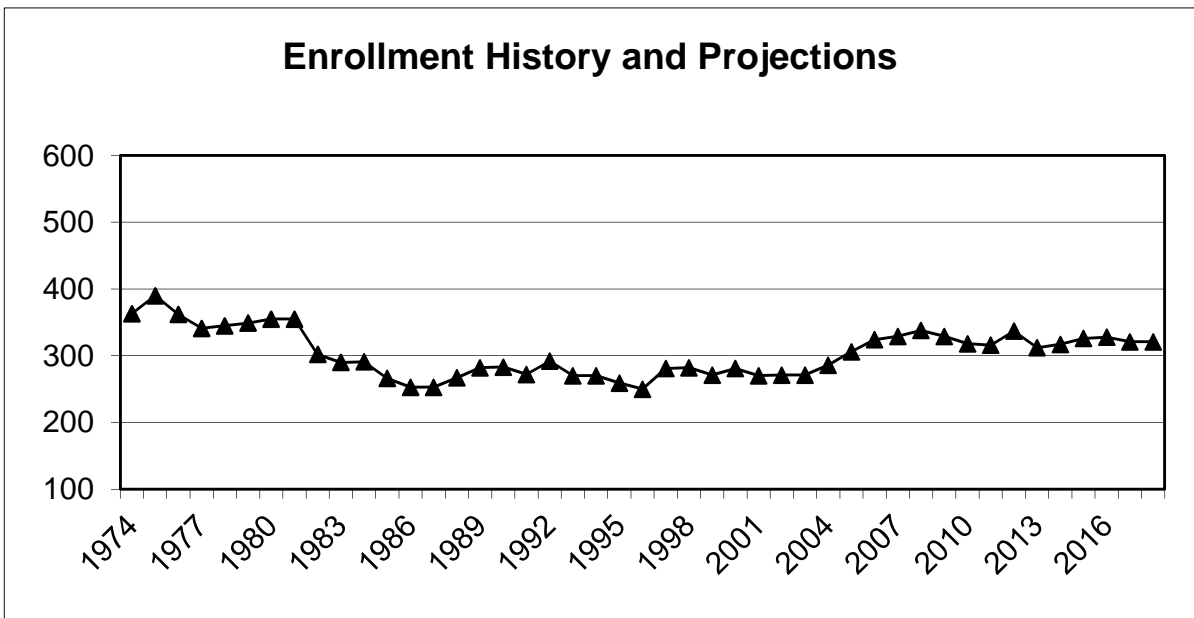
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	39	79.6%	10	20.4%	49
2007	42	79.2%	11	20.8%	53
2008	34	87.2%	5	12.8%	39
2009	32	82.1%	7	17.9%	39
2010	42	93.3%	3	6.7%	45
2011	45	81.8%	10	18.2%	55
2012	48	94.1%	3	5.9%	51
2013	42	91.3%	4	8.7%	46

*Age 6 for the 2005-06 school year included two 7-year olds and 2009-10 included one 7-year old.

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	13	2017-2018
2	23	2016-2017
3	22	2015-2016
4	29	2014-2015



Underwood

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	47	48	1	2.1%	53	48	49	49	48
1	49	53	4	8.2%	49	53	48	51	50
2	49	49	0	0.0%	56	52	56	52	53
3	60	61	1	1.7%	53	60	55	60	55
4	48	65	17	35.4%	63	54	61	57	62
5	55	51	-4	-7.3%	65	63	54	61	57
Spec. Ed.**	2	0	-2	0.0%	0	0	0	0	0
TOTAL	310	327*	17	5.5%	339	330	323	330	325

*Includes 17 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	39	275		
2005	39	264	-11	-4.0%
2006	49	288	24	9.1%
2007	44	295	7	2.4%
2008	43	282	-13	-4.4%
2009	46	262	-20	-7.1%
2010	49	282	20	7.6%
2011	49	289	7	2.5%
2012	47	310	21	7.3%
2013	48	327	17	5.5%

Peak enrollment year: 2013, 327 students

Underwood

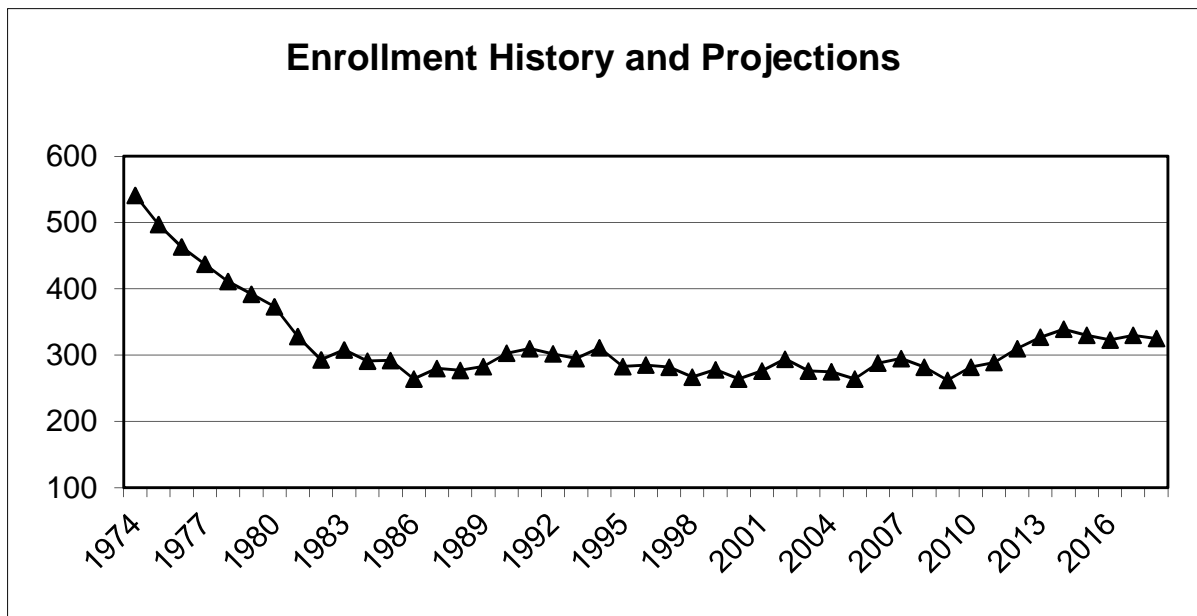
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS*

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	40	81.6%	9	18.4%	49
2007	36	81.8%	8	18.2%	44
2008	40	93.0%	3	7.0%	43
2009	39	84.8%	7	15.2%	46
2010	43	87.8%	6	12.2%	49
2011	46	93.9%	3	6.1%	49
2012	42	89.4%	5	10.6%	47
2013	47	97.9%	1	2.1%	48

*Age 6 for the 2004-05 school year included one 7-year old.

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	20	2017-2018
2	31	2016-2017
3	24	2015-2016
4	34	2014-2015



Ward

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	47	43	-4	-8.5%	45	44	45	45	42
1	50	51	1	2.0%	48	49	49	51	49
2	46	53	7	15.2%	54	51	52	52	55
3	51	45	-6	-11.8%	53	55	51	53	53
4	47	52	5	10.6%	45	53	54	51	52
5	60	45	-15	-25.0%	51	44	52	53	50
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	301	289*	-12	-4.0%	296	296	303	305	301

*Includes 13 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	35	262		
2005	45	262	0	0.0%
2006	31	237	-25	-9.5%
2007	47	247	10	4.2%
2008	42	260	13	5.3%
2009	34	260	0	0.0%
2010	42	269	9	3.5%
2011	46	278	9	3.3%
2012	47	301	23	8.3%
2013	43	289	-12	-4.0%

Peak enrollment year: 2012, 301 students

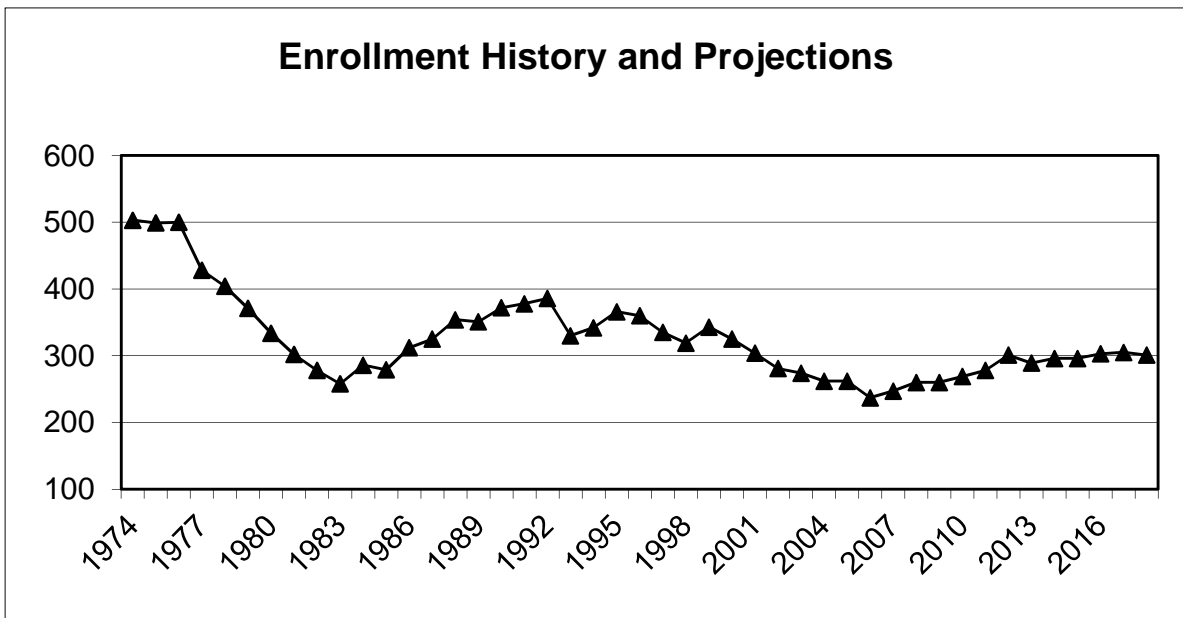
Ward

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	28	90.3%	3	9.7%	31
2007	40	85.1%	7	14.9%	47
2008	35	83.3%	7	16.7%	42
2009	26	76.5%	8	23.5%	34
2010	42	100.0%	0	0.0%	42
2011	45	97.8%	1	2.2%	46
2012	46	97.9%	1	2.1%	47
2013	40	93.0%	3	7.0%	43

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	18	2017-2018
2	29	2016-2017
3	41	2015-2016
4	29	2014-2015



Williams

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	50	45	-5	-10.0%	40	45	45	48	48
1	41	57	16	39.0%	47	42	49	49	51
2	47	44	-3	-6.4%	59	49	44	54	54
3	69	42	-27	-39.1%	44	59	50	47	55
4	48	71	23	47.9%	43	46	61	53	50
5	49	45	-4	-8.2%	70	42	45	63	54
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	304	304*	0	0.0%	303	283	294	314	312

*Includes 13 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	51	264		
2005	41	275	11	4.2%
2006	52	295	20	7.3%
2007	41	281	-14	-4.7%
2008	43	276	-5	-1.8%
2009	51	277	1	0.4%
2010	43	298	21	7.6%
2011	46	302	4	1.3%
2012	50	304	2	0.7%
2013	45	304	0	0.0%

Peak enrollment year: 2012, 304 students

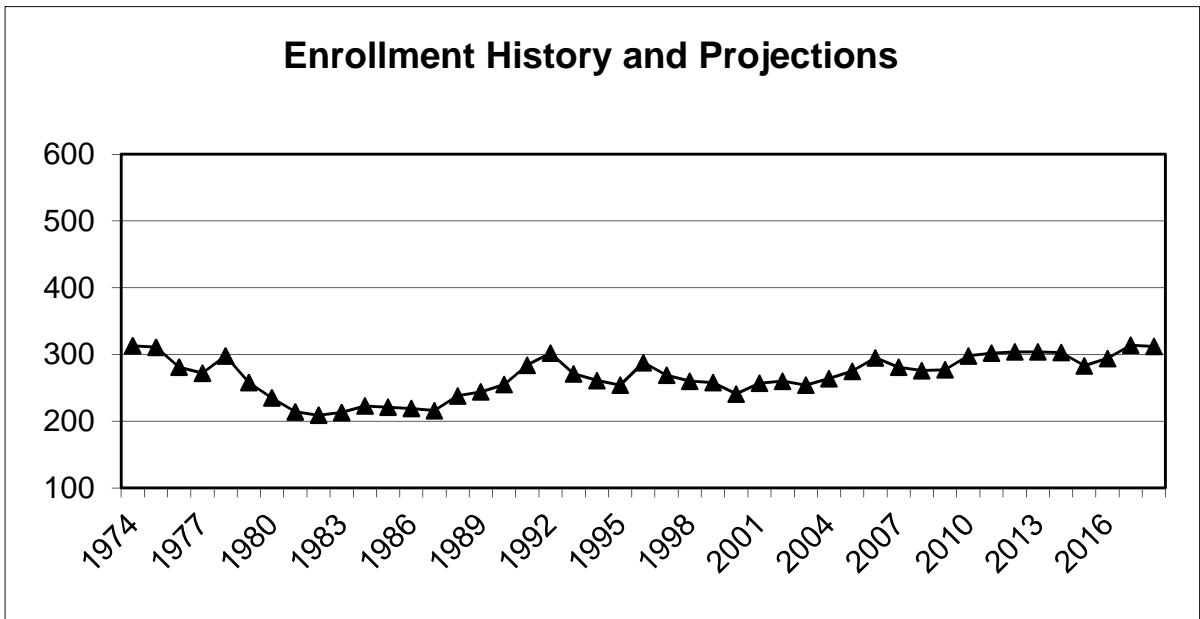
Williams

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	44	84.6%	8	15.4%	52
2007	37	90.2%	4	9.8%	41
2008	37	86.0%	6	14.0%	43
2009	46	90.2%	5	9.8%	51
2010	41	95.3%	2	4.7%	43
2011	46	100.0%	0	0.0%	46
2012	49	98.0%	1	2.0%	50
2013	40	88.9%	5	11.1%	45

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	17	2017-2018
2	20	2016-2017
3	30	2015-2016
4	23	2014-2015



Zervas

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
K	60	53	-7	-11.7%	65	54	54	56	57
1	39	58	19	48.7%	54	65	55	55	57
2	68	41	-27	-39.7%	60	56	68	58	57
3	46	65	19	41.3%	42	61	57	69	60
4	55	42	-13	-23.6%	64	41	60	56	68
5	57	58	1	1.8%	43	64	41	61	56
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	325	317*	-8	-2.5%	328	341	335	355	355

*Includes 9 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

***Projections include new METCO students for each year.

Three-year ratios are used to project kindergarten enrollment.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2004	46	287		
2005	46	300	13	4.5%
2006	56	332	32	10.7%
2007	52	324	-8	-2.4%
2008	46	328	4	1.2%
2009	45	326	-2	-0.6%
2010	62	349	23	7.1%
2011	40	321	-28	-8.0%
2012	60	325	4	1.2%
2013	53	317	-8	-2.5%

Peak enrollment year: 2010, 349 students

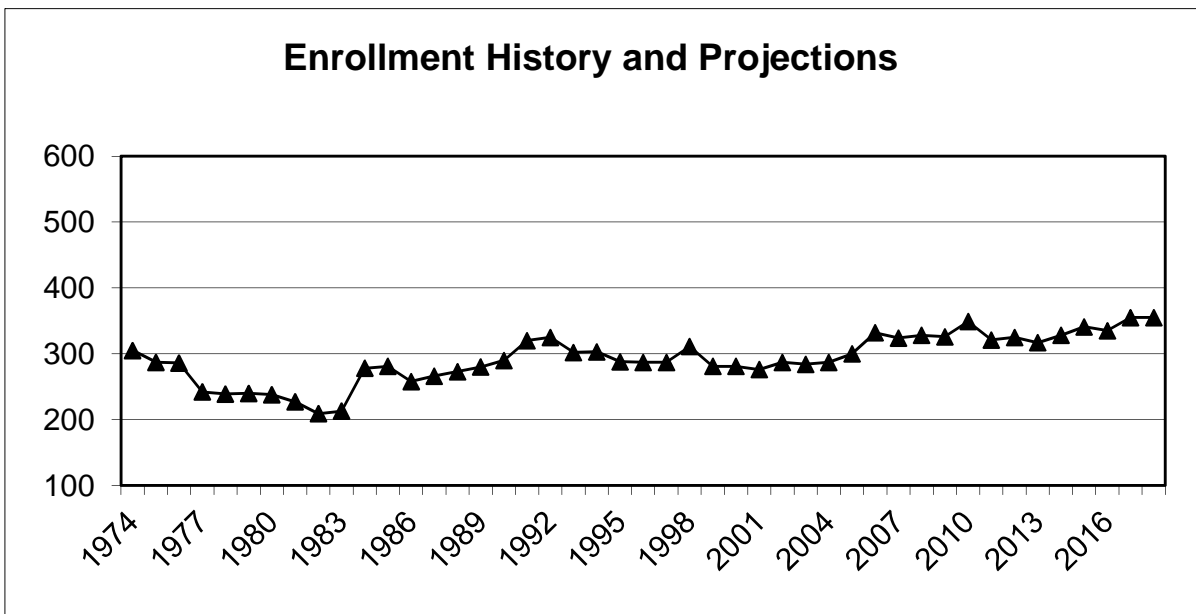
Zervas

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2006	48	85.7%	8	14.3%	56
2007	40	76.9%	12	23.1%	52
2008	43	93.5%	3	6.5%	46
2009	41	91.1%	4	8.9%	45
2010	58	93.5%	4	6.5%	62
2011	39	97.5%	1	2.5%	40
2012	52	86.7%	8	13.3%	60
2013	52	98.1%	1	1.9%	53

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2013 City Census)

Age	Number	Year Entering K
1	16	2017-2018
2	37	2016-2017
3	27	2015-2016
4	42	2014-2015



Bigelow Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
6	178	162	-16	-9.0%	151	179	176	174	174
7	186	178	-8	-4.3%	161	150	178	175	173
8	167	185	18	10.8%	177	160	149	177	174
Total	531	525	-6	-1.1%	489	489	503	526	521
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	531	525*	-6	-1.1%	489	489	503	526	521

*Includes 26 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

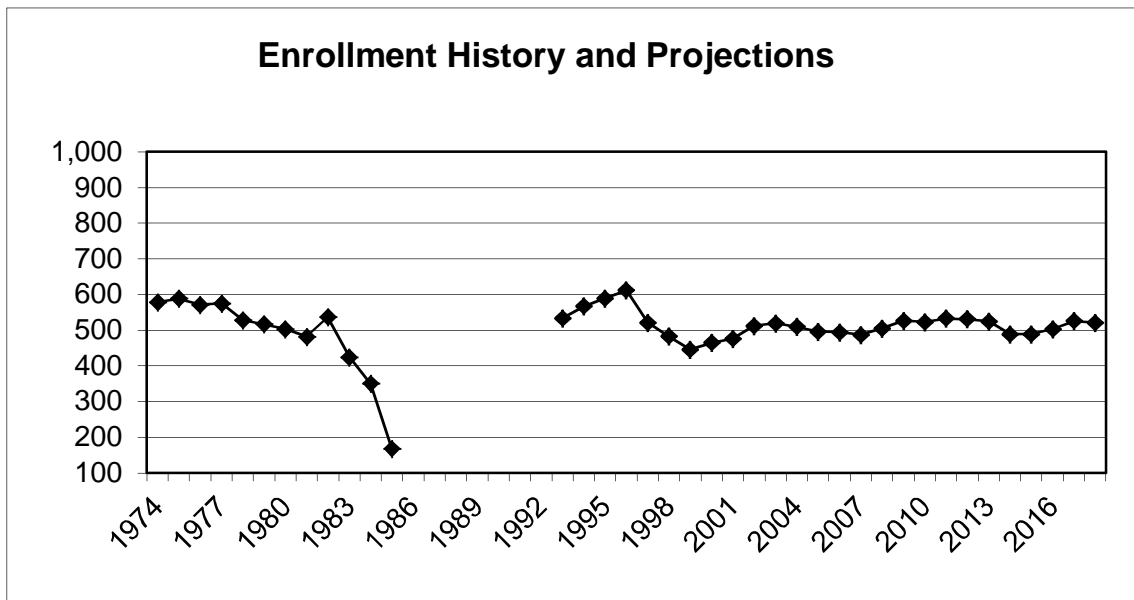
Year	Total Enrollment	Change from Previous Year	Percent Change
2004	510		
2005	496	-14	-2.7%
2006	495	-1	-0.2%
2007	487	-8	-1.6%
2008	505	18	3.7%
2009	527	22	4.4%
2010	523	-4	-0.8%
2011	533	10	1.9%
2012	531	-2	-0.4%
2013	525	-6	-1.1%

Peak enrollment year: 2011, 533 students

Bigelow Middle School

FIFTH GRADE STUDENTS FROM THE BIGELOW FEEDER SCHOOLS

Elementary School	2013-2014 5th Grade Enrollment
Cabot	0
Lincoln-Eliot	50
Underwood	51
Ward	45
Total	146



Brown Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
6	233	257	24	10.3%	230	270	236	224	258
7	230	245	15	6.5%	261	233	274	241	228
8	227	241	14	6.2%	251	266	239	281	248
Total	690	743	53	7.7%	742	769	749	746	734
Spec. Ed.**	8	0	-8	-100.0%	0	0	0	0	0
TOTAL	698	743*	45	6.4%	742	769	749	746	734

*Includes 23 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

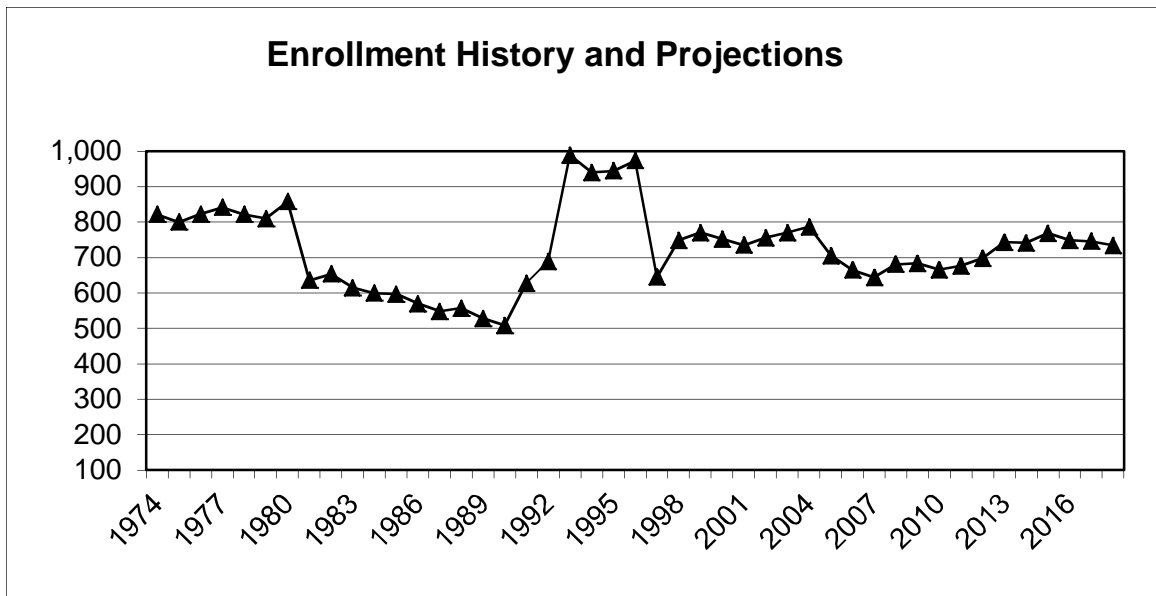
Year	Total Enrollment	Change from Previous Year	Percent Change
2004	787		
2005	705	-82	-10.4%
2006	665	-40	-5.7%
2007	644	-21	-3.2%
2008	681	37	5.7%
2009	684	3	0.4%
2010	666	-18	-2.6%
2011	677	11	1.7%
2012	698	21	3.1%
2013	743	45	6.4%

Peak enrollment year: 2004, 787 students

Brown Middle School

FIFTH GRADE STUDENTS FROM BROWN FEEDER SCHOOLS

Elementary School	2013-2014 5th Grade Enrollment
Angier	66
Countryside	81
Mason-Rice	71
Williams	45
Total	263



Day Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
6	279	347	68	24.4%	315	328	328	363	348
7	306	289	-17	-5.6%	349	317	330	330	365
8	289	311	22	7.6%	291	351	319	332	333
Total	874	947	73	8.4%	955	996	977	1025	1046
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	874	947*	73	8.4%	955	996	977	1025	1046

*Includes 24 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

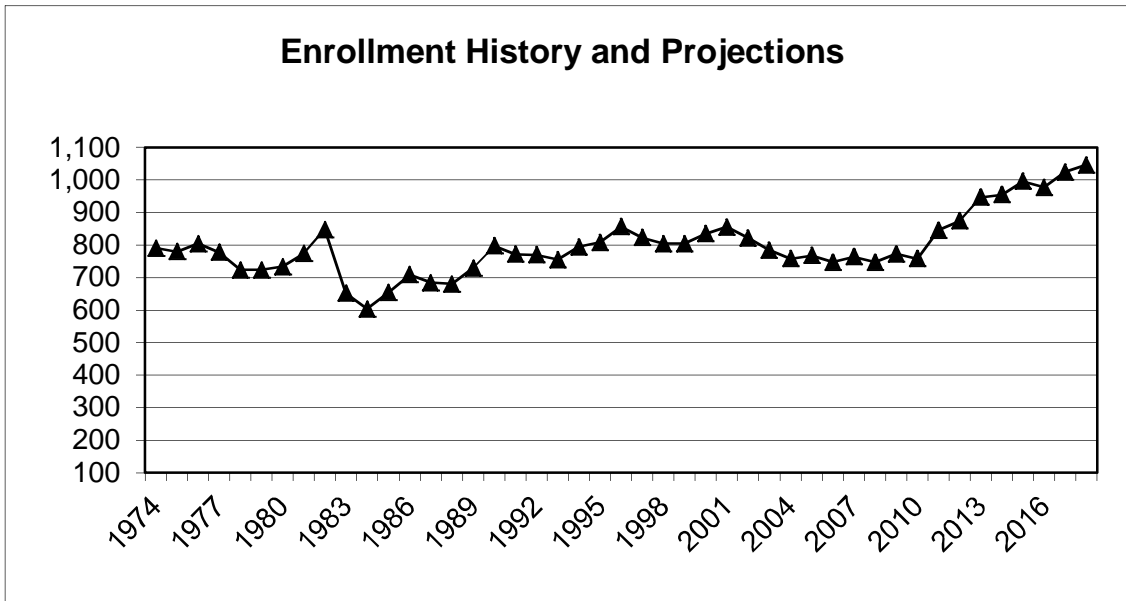
Year	Total Enrollment	Change from Previous Year	Percent Change
2004	758		
2005	768	10	1.3%
2006	747	-21	-2.7%
2007	764	17	2.3%
2008	747	-17	-2.2%
2009	773	26	3.5%
2010	758	-15	-1.9%
2011	845	87	11.5%
2012	874	29	3.4%
2013	947	73	8.4%

Peak enrollment year: 2013, 947 students

Day Middle School

FIFTH GRADE STUDENTS FROM THE DAY FEEDER SCHOOLS

Elementary School	2013-2014 5th Grade Enrollment
Burr	69
Cabot	67
Franklin	59
Horace Mann	66
Peirce	49
Total	310



Oak Hill Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
6	210	212	2	1.0%	215	180	220	187	228
7	200	220	20	10.0%	215	218	183	223	190
8	206	202	-4	-1.9%	222	217	220	184	225
Total	616	634	18	2.9%	652	615	623	594	643
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	616	634*	18	2.9%	652	615	623	594	643

*Includes 26 METCO students.

**Students who receive special education services outside of the classroom for a significant amount of time (students in K-8 are reported with their grades as of November 2013).

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

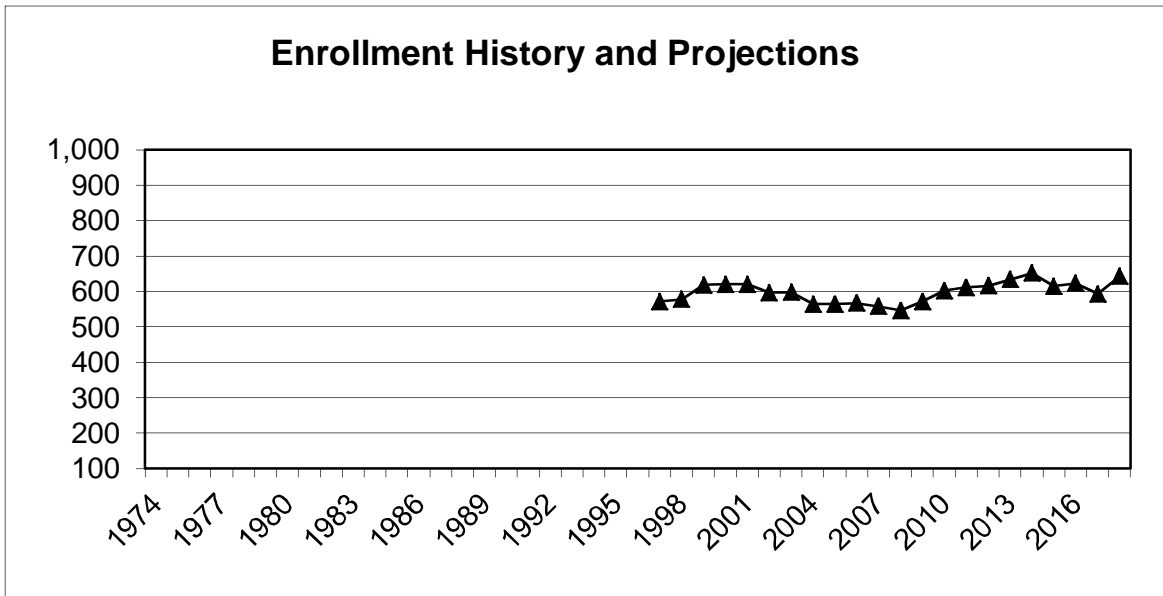
Year	Total Enrollment	Change from Previous Year	Percent Change
2004	565		
2005	565	0	0.0%
2006	567	2	0.4%
2007	558	-9	-1.6%
2008	547	-11	-2.0%
2009	572	25	4.6%
2010	603	31	5.4%
2011	612	9	1.5%
2012	616	4	0.7%
2013	634	18	2.9%

Peak enrollment year: 2013, 634 students

Oak Hill Middle School

FIFTH GRADE STUDENTS FROM THE OAK HILL FEEDER SCHOOLS

Elementary School	2013-2014 5th Grade Enrollment
Bowen	89
Memorial-Spaulding	78
Zervas	58
Total	225



1997-98 marked the opening of Oak Hill Middle School.

North High School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
9	484	496	12	2.5%	535	506	552	505	550
10	450	493	43	9.6%	505	545	516	562	514
11	490	447	-43	-8.8%	493	505	545	516	562
12	437	496	59	13.5%	446	493	505	545	515
TOTAL	1,861	1,932	71	4%	1,979	2,049	2,118	2,128	2,141
Post Grads	0	0	0	0	0	0	0	0	0
Spec. Ed.*	79	83	4	5%	83	83	83	83	83
TOTAL	1,940	2,015**	75	3.9%	2,062	2,132	2,201	2,211	2,224

**Includes 66 METCO students.

*Students who receive special education services outside of the classroom for a significant amount of time.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

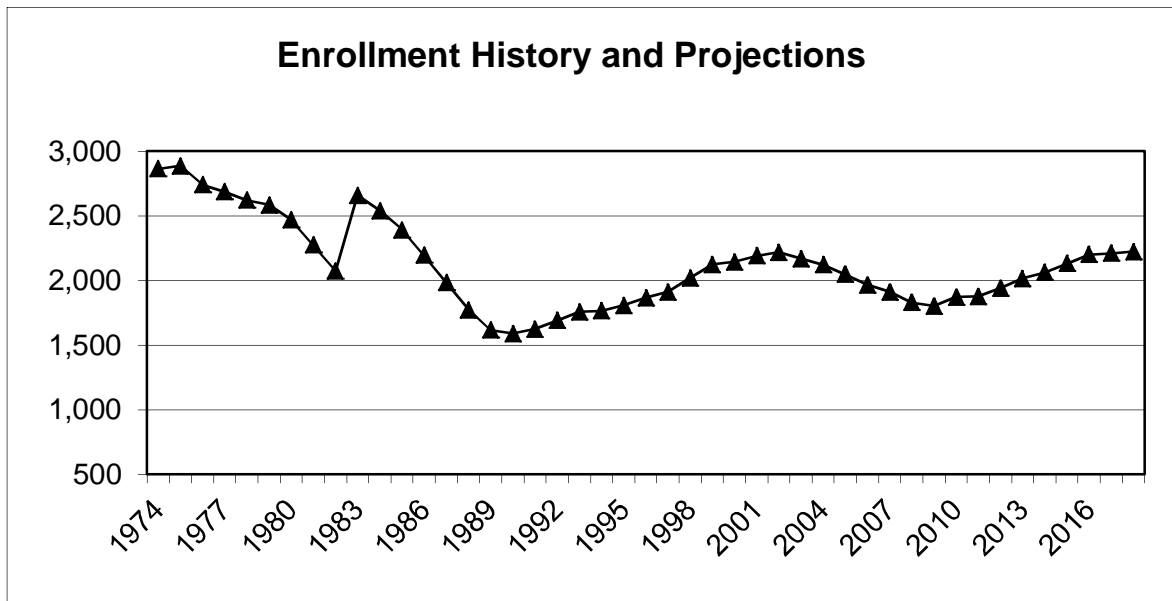
Year	Total Enrollment	Change from Previous Year	Percent Change
2004	2,121		
2005	2,047	-74	-3.5%
2006	1,964	-83	-4.1%
2007	1,911	-53	-2.7%
2008	1,829	-82	-4.3%
2009	1,802	-27	-1.5%
2010	1,871	69	3.8%
2011	1,877	6	0.3%
2012	1,940	63	3.4%
2013	2,015	75	3.9%

Peak enrollment year: 2004, 2121 students

North High School

EIGHTH GRADE STUDENTS FROM THE NORTH FEEDER SCHOOLS

Middle School	2013-2014 8th Grade Enrollment
Bigelow	185
Brown (10%)	19
Day	311
Total	515



South High School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2012 FY13	2013 FY14	N	%	2014 FY15	2015 FY16	2016 FY17	2017 FY18	2018 FY19
9	447	458	11	2.5%	464	496	506	483	487
10	436	448	12	2.8%	462	469	501	512	488
11	407	441	34	8.4%	446	460	466	499	510
12	408	414	6	1.5%	440	445	459	466	498
TOTAL	1,698	1,761	63	4%	1,812	1,870	1,932	1,960	1,983
Post Grads	0	0	0	0	0	0	0	0	0
Spec. Ed.*	23	17	-6	-26%	17	17	17	17	17
TOTAL	1,721	1,778**	57	3.3%	1,829	1,887	1,949	1,977	2,000

**Includes 58 METCO students.

*Students who receive special education services outside of the classroom for a significant amount of time.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

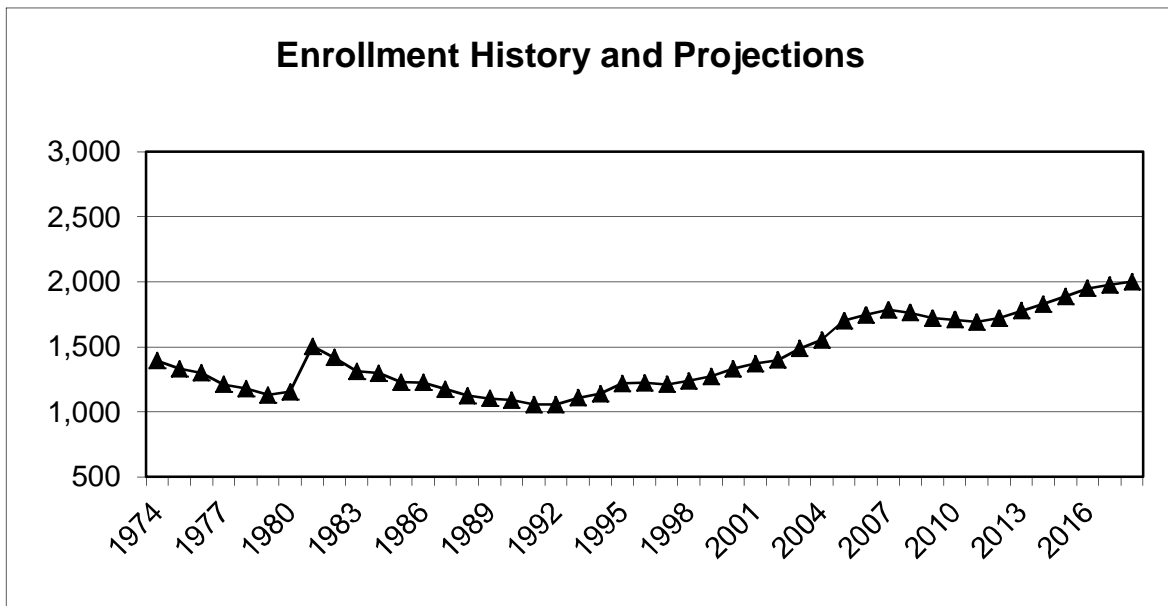
Year	Total Enrollment	Change from Previous Year	Percent Change
2004	1,552		
2005	1,701	149	9.6%
2006	1,745	44	2.6%
2007	1,784	39	2.2%
2008	1,763	-21	-1.2%
2009	1,722	-41	-2.3%
2010	1,708	-14	-0.8%
2011	1,691	-17	-1.0%
2012	1,721	30	1.8%
2013	1,778	57	3.3%

Peak enrollment year: 2007, 1784 students

South High School

EIGHTH GRADE STUDENTS FROM THE SOUTH FEEDER SCHOOLS

Middle School	2013-2014 8th Grade Enrollment
Brown (90%)	222
OakHill	202
Total	424



V. STUDENT EXITS AND ENTRANCES

STUDENT EXITS AND ENTRANCES

This section reports on student mobility in Newton Public Schools due to the movement of students not resulting from grade promotion. The student mobility statistics reported below illuminate the annual cycle of new student entrances and student exits in the district and how net migration contributes to growth. These statistics also further detail the extent and the type of student mobility changes that are experienced by schools during the course of a full academic year (2012-13).

This section also reports the results of a survey of families with newly enrolled kindergarten students. This survey was done for the first time this year to learn more about where the record high number of kindergarten families are entering the district from, their length of residence in Newton and other siblings in the family.

In 2012-13, new students comprised 7.5% of the total student population, not including kindergarten. Student exits in the same year, not including graduates, made up 6.3% of the total population. In 2012-13, like last year, there were more student entrances than student exits as a percentage of the total student population.

Student Exit Statistics

In 2012-13, a total of 772 students, or 6.3%, left their schools during or after the close of the academic year, not including graduates. This is 92 more students than in the prior year (2011-12) when there were 680 student exits. The largest year-over-year annual change in the exit data is seen in the category of students who left to attend non-public/private school (+43 students). There were fewer students who left due to a special education placement in 2012-13.

At all grade levels the most common type of student exit resulted from students moving out of Newton. Most students who moved out of Newton left during the elementary years in 2012-13; this was also true in the previous year. Also, more students move out of the country after leaving Newton Public Schools at the elementary level than at higher grade levels. At the elementary and middle school grade levels, there were close to 2% of students who left to attend private school. The following tables provide the total number of exiting students by school and grade level, and by reason for exit.

**SUMMARY ALL GRADES
SEPTEMBER 2012 - AUGUST 2013**

School	Moved Out of the Country	Moved Out of Newton	Left to Attend Non-Public School	Left Due to Special Education Placement	Home Schooled, Drop Out, GED, Other	Total
2012-13 All Grades	152	367	177	35	41	772
% of Total Enrollment	1.2%	3.0%	1.5%	0.3%	0.3%	6.3%
2011-12 All Grades	143	331	134	39	33	680
% of Total Enrollment	1.2%	2.8%	1.1%	0.3%	0.3%	5.7%
Difference	9	36	43	-4	8	92

**TABLE 20
EXITING ELEMENTARY SCHOOL STUDENTS
SEPTEMBER 2012- AUGUST 2013**

School	Moved Out of the Country	Moved Out of Newton	Left to Attend Non-Public School	Left Due to Special Education Placement	Other*	Total
Angier	1	12	8			21
Bowen	5	32	11			48
Burr	4	20	2			26
Cabot	1	15	4			20
Countryside	6	26	3	1		36
Franklin	6	13	2			21
Horace Mann	8	17	2	3		30
Lincoln-Eliot	3	25	1	1	2	32
Mason-Rice	5	16	11		1	33
Memorial-Spaulding	25	24	8			57
Peirce	5	20	17			42
Underwood	6	14	4		2	26
Ward	6	11	16		2	35
Williams	12	10	3			25
Zervas	3	13	6		1	23
2012-13 Total	96	268	98	5	8	475
% of Elementary Enrollment	1.7%	4.6%	1.7%	0.1%	0.1%	8.2%
2011-12 Total	91	233	79	14	9	426
% of Elementary Enrollment	1.6%	4.1%	1.4%	0.2%	0.2%	7.5%
Difference	5	35	19	-9	-1	49

*Other includes non-resident student transfers, home schooled students and deceased students.

**TABLE 21
EXITING MIDDLE SCHOOL STUDENTS
SEPTEMBER 2012 - AUGUST 2013**

School	Moved Out of the Country	Moved Out of Newton	Left to Attend Non-Public School	Left Due to Special Education Placement	Other*	Total
Bigelow	3	13	14	2		32
Brown	5	14	11	6		36
Day	9	16	9	3	2	39
Oak Hill	7	8	16	3		34
2012-13 Total	24	51	50	14	2	141
% of Middle School Enrollment	0.9%	1.9%	1.8%	0.5%	0.1%	5.2%
2011-12 Total	28	46	36	8	6	124
% of Middle School Enrollment	1.0%	1.7%	1.3%	0.3%	0.2%	4.6%
Difference	-4	5	14	6	-4	17

*Other includes non-resident student transfers, home schooled students and deceased students.

**TABLE 22
EXITING HIGH SCHOOL STUDENTS
SEPTEMBER 2012 - AUGUST 2013**

School	Moved Out of the Country	Moved Out of Newton	Left to Attend Non-Public School	Left Due to Special Education Placement	Home Schooled, Drop Out, GED, Other	Total
North High	12	28	13	7	24	84
South High	20	20	16	9	7	72
2012-13 Total	32	48	29	16	31	156
% of High School Enrollment	0.9%	1.3%	0.8%	0.4%	0.8%	4.3%
2011-12 Total	24	52	19	17	18	130
% of High School Enrollment	0.7%	1.5%	0.5%	0.5%	0.5%	3.6%
Difference	8	-4	10	-1	13	26

A three year history of student exits is shown below. In 2012-13, the overall increase in student exits is driven by changes at all grade levels. The overall increase in the number of student exits from 680 exits in 2011-12 and 772 exits in 2012-13 represents a year over year increase of 13.5%.

**TABLE 23
TOTAL STUDENT EXITS
Three Year History**

School	2010-11	2011-12	# % Change	2012-13	# % Change
Angier	29	32	3	21	-11
Bowen	31	36	5	48	12
Burr	23	20	-3	26	6
Cabot	31	41	10	20	-21
Countryside	41	41	0	36	-5
Franklin	12	25	13	21	-4
Horace Mann	24	22	-2	30	8
Lincoln-Eliot	27	26	-1	32	6
Mason-Rice	50	32	-18	33	1
Memorial-Spaulding	36	35	-1	57	22
Peirce	33	37	4	42	5
Underwood	15	12	-3	26	14
Ward	31	18	-13	35	17
Williams	24	24	0	25	1
Zervas	20	25	5	23	-2
Total Elementary	427	426	-1	475	49
% Elementary Enrollment	7.6%	7.5%	-0.2%	8.2%	11.5%
Bigelow	29	20	-9	32	12
Brown	53	33	-20	36	3
Day	48	37	-11	39	2
Oak Hill	47	34	-13	34	0
Total Middle School	177	124	-53	141	17
% Middle School Enrollment	6.9%	4.6%	-29.9%	5.2%	13.7%
North High	89	74	-15	84	10
South High	71	56	-15	72	16
Total High School	160	130	-30	156	26
% High School Enrollment	4.5%	3.6%	-18.8%	4.3%	20.0%
Grand Total	764	680	-84	772	92
% Total Enrollment	6.5%	5.7%	-11.0%	6.3%	13.5%

Table 24 provides a history of student exits to private schools at the elementary, middle and high school levels since 2006-07. A break out is provided of the number and percentage of exits in transition years after the completion of elementary school and middle school. In 2012-13, 50% of students who left elementary school to attend private school did so in grade 5. Of those students who left their middle school to attend private school, 52% transferred in grade 8.

**TABLE 24
HISTORY OF EXITS TO NON-PUBLIC SCHOOLS**

Level	Academic Year						
	06-07	07-08	08-09	09-10	10-11	11-12	12-13
All Elementary	93	109	98	81	113	79	98
% of Elementary Enrollment	1.7%	2.0%	1.8%	1.6%	2.0%	1.4%	1.7%
<i>Grade 5*</i>	37	54	51	35	50	34	49
<i>% of Elementary exits</i>	39.8%	49.5%	52.0%	43.2%	44.2%	43.0%	50.0%
All Middle School	60	61	64	59	69	36	50
% of Middle School Enrollment	2.4%	2.5%	2.6%	2.3%	1.2%	1.0%	1.8%
<i>Grade 8*</i>	30	34	33	21	41	20	26
<i>% of Middle School exits</i>	50.0%	55.7%	51.6%	35.6%	59.4%	55.6%	52.0%
All High School	31	37	23	27	29	19	29
% of High School Enrollment	0.8%	1.0%	0.6%	0.8%	0.8%	0.1%	0.8%
Grand Total	184	207	185	167	211	134	177
% of Total Enrollment	1.6%	1.8%	1.6%	1.4%	1.4%	0.9%	1.5%

*Statistics on Grade 5 and Grade 8 exits are provided to highlight grade level transition years.

The number of student exits to non-public schools or private schools is provided as follows in Tables 25, 26 and 27 for elementary, middle and high school grade levels.

**TABLE 25
ELEMENTARY SCHOOL STUDENT EXITS TO NON-PUBLIC SCHOOL
SEPTEMBER 2012 - AUGUST 2013**

	GRADE							PRIVATE SCHOOL NAME	
	K	1	2	3	4	5	Total		
ELEMENTARY SCHOOLS		1				3	4	BBN	
						3	3	Beaver Country Day	
		1					1	British School	
			1	1		1	3	Carroll School	
		1			1		2	Charles River School	
			2		1		3	Chestnut Hill School	
						2	2	Dana Hall	
			1				1	Delphi Academy	
		1		3			4	Dexter	
				2	1	2	5	Fessenden	
					1	1	2	Jackson School	
				1		1	2	Jewish Community Day School	
			1			1	2	Learning Prep	
			1				3	4	Meadowbrook School
							3	3	Meridian Academy
							2	2	Milton Academy
							1	1	Monsignor Haddad
		1						1	Mount Alvernia
							1	1	Newton Country Day
				1				1	Newton Montessori
						2	2	4	Park School
				1	2		1	4	Rashi
							2	2	Rivers School
						1		1	Saint Joseph School
				1			1	2	Shady Hill School
						1		1	Shaloh House
		1					1	South Shore Adventist	
	1						1	Southfield Academy	
					1		1	Tremont School	
			1			1	2	Weston Christian Academy	
					2	4	6	Winsor School	
	3	1		5	3	14	26	Other/Unknown	
2012-13 TOTAL	4	6	9	16	14	49	98		
% TOTAL ELEMENTARY ENROLLMENT							1.7%		

**TABLE 26
MIDDLE SCHOOL STUDENT EXITS TO NON-PUBLIC SCHOOL
SEPTEMBER 2012 - AUGUST 2013**

	GRADE				PRIVATE SCHOOL NAME
	6	7	8	TOTAL	
MIDDLE SCHOOLS		1	1	2	BBN
	1		3	4	BC High
			2	2	Beaver Country Day
	1		1	2	Belmont Hill School
			2	2	BU Academy
			1	1	Commonwealth School
			1	1	Concord Academy
	1			1	Dana Hall
			1	1	Groton Academy
		1		1	Jewish Community Day School
		1		1	Learning Prep
	1			1	Meridian Academy
			1	1	Newton Country Day
	1			1	Rashi
	1			1	Roxbury Latin
			1	1	Saint Columbkille
		1		1	Saint Mary's
			1	1	Saint Sebestian
	1			1	Shady Hill School
		1		1	Sudbury Valley School
		1	1	Suffield Academy	
2		1	3	Winsor School	
		1	1	Xavarian	
4	6	8	18	Other/Unknown	
2012-13 TOTAL	13	11	26	50	
% TOTAL ENROLLMENT				1.8%	

**TABLE 27
HIGH SCHOOL STUDENT EXITS TO NON-PUBLIC SCHOOL
SEPTEMBER 2012 - AUGUST 2013**

	GRADE					PRIVATE SCHOOL NAME
	9	10	11	12	Total	
NNHS / NNHS	2	1			3	Beaver Country Day
		1			1	Belmont Hill School
		1			1	Cambridge School of Weston
	1				1	Gann Academy
	1				1	German International School
	1				1	Landmark School
		1			1	Learning Prep
			1		1	Newman School
			1		1	Phillips Andover
			2		2	Proctor Academy
		1			1	Rivers School
			1		1	Tabor Academy
			1		1	Walnut Hill
		1			1	Winchendon
2012-13 TOTAL	10	9	8	2	29	
% TOTAL ENROLLMENT					0.8%	

Student Entrance Statistics

There were 911 students, or 7.5% of total enrollment, who entered Newton Public Schools in 2012-2013 who had not been students in the previous academic year, not including kindergarten. This is an increase of 155 student enrollments over the prior year when there were 756 student entrances or 6.3% of total enrollment. The largest annual increase is seen in the category of students who moved in from outside of Massachusetts or the United States (+119 students combined). About the same numbers of new students this year compared to last year are enrolling from another Massachusetts community (+7 students). The number of students who enrolled from private school also increased in 2012-13 (+29 students).

All grade levels experienced increases from students moving into Newton from another state or country. The middle schools and high schools experienced a greater number of student entrances from private school while the elementary school level had a slight decline in this type of student entrance. Student move-ins from another Massachusetts community also were higher than in the previous year, but not at the middle school grade level where most of the new move-ins were from outside Massachusetts.

The following tables provide the total number of entering students by school and grade level, and by reason for enrollment and/or origin of the enrolled student.

SUMMARY ALL GRADES July 2012 - June 2013

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
2012-13 All Grades	260	215	231	205	911
% of Total Enrollment	2.1%	1.8%	1.9%	1.7%	7.5%
2011-12 All Grades	253	178	149	176	756
% of Total Enrollment	2.1%	1.5%	1.2%	1.5%	6.3%
Difference	7	37	82	29	155

* The majority of students in this category have enrolled from another MA community and some have enrolled from an origin that is unknown.

TABLE 28
ENTERING ELEMENTARY SCHOOL STUDENTS
July 2012 - June 2013

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
Angier	18	6	7	1	32
Bowen	16	17	15	15	63
Burr	10	12	2	2	26
Cabot	4	7	8	2	21
Countryside	23	11	7	5	46
Franklin	10	5	2	4	21
Horace Mann	15	7	7	3	32
Lincoln-Eliot	25	2	4	5	36
Mason-Rice	3	5	7	3	18
Memorial-Spaulding	9	14	15	8	46
Peirce	10	6	16	7	39
Underwood	13	8	8	2	31
Ward	11	3	7	2	23
Williams	2	8	16	1	27
Zervas	10	5	5	3	23
2012-13 Total	179	116	126	63	484
% of Elementary Enrollment	3.1%	2.0%	2.2%	1.1%	8.4%
2011-12 Total	156	114	82	69	421
% of Elementary Enrollment	2.7%	2.0%	1.4%	1.2%	7.4%
Difference	23	2	44	-6	63

* The majority of students in this category have enrolled from another MA community and some have enrolled from an origin that is unknown.

TABLE 29
ENTERING MIDDLE SCHOOL STUDENTS
July 2012 - June 2013

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
Bigelow	7	5	12	9	33
Brown	13	13	9	13	48
Day	14	17	7	11	49
Oak Hill	4	12	9	12	37
2012-13 Total	38	47	37	45	167
% of Middle School Enrollment	1.4%	1.7%	1.4%	1.7%	6.1%
2011-12 Total	66	23	27	21	137
% of Middle School Enrollment	2.5%	0.9%	1.0%	0.8%	5.1%
Difference	-28	24	10	24	30

* The majority of students in this category have enrolled from another MA community and some have enrolled from an origin that is unknown.

TABLE 30
ENTERING HIGH SCHOOL STUDENTS
July 2012 - June 2013

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
North High	26	30	31	56	143
South High	17	22	37	41	117
2012-13 Total	43	52	68	97	260
% of High School Enrollment	1.2%	1.4%	1.9%	2.6%	7.1%
2011-12 Total	31	41	40	86	198
% of High School Enrollment	0.9%	1.1%	1.1%	2.4%	5.5%
Difference	12	11	28	11	62

* The majority of students in this category have enrolled from another MA community and some have enrolled from an origin that is unknown.

Kindergarten Survey and Entrance Statistics

This year's kindergarten population of 958 students is 24 students more than last year and is the largest since 1974, continuing a growth trend driven by move-ins to Newton and further bolstered by a spike in birth data five years prior.

In order to learn more about this record high kindergarten population, a survey of kindergarten families was done using Newton Public Schools' recently implemented online forms tool. The survey was sent to all kindergarten families via an email link and asked several questions about each family's length of residence in Newton, their previous residence if they are new to Newton, and whether there are siblings in the family. The survey was short and took under 5 minutes to complete. With a total of 440 responses received at the time of this writing, the return rate has been good and the survey remains open.

As shown in the table below, of the 440 respondents, 24% of families have arrived in Newton within two years. Another 19% of families have lived in Newton for 3 to 4 years. Together, this shows that 43% of current families with kindergarten students moved to Newton after the child's birth. This underscores the dynamic of families moving to Newton and the resulting school age populations. Families who have been settled in Newton for more than five years comprise 57% of the respondents. Of survey respondents, 231 current kindergarten students have siblings under 5 years old and 112 have siblings that are school age.

LENGTH OF RESIDENCE IN NEWTON

Length of Residency in Newton	K Families #	K Families %	Siblings Under 5	School Age Siblings
<1 YEAR	51	12%	6	6
1-2 YEARS	51	12%	4	4
3-4 YEARS	85	19%	12	12
5-10 YEARS	163	37%	59	59
>10 YEARS	88	20%	31	31
Total	438	100%	231	112

Families who have lived in Newton for fewer than 2 years were asked to provide information on their previous residence. As shown in the table below, 38% of kindergarten families have relocated to Newton recently from another state or country. This further illuminates the challenges of projecting kindergarten enrollments using city census and birth data.

ENTERING KINDERGARTEN FAMILIES (Recently Arrived in Newton)

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Total
<1 YEAR	31	9	11	51
1-2 YEARS	33	15	3	51
Total	64	24	14	102
% of Recently Arrived K	63%	24%	14%	100%

*Enrolled from Newton or another MA community.

APPENDICES

A. SPECIAL ENROLLMENTS

B. BUFFER ZONE INFORMATION

C. CITY OF NEWTON POPULATION GROWTH

D. RESIDENTIAL PROPERTY DATA

E. NESDEC'S ENROLLMENT PROJECTIONS

**F. TOTAL ENROLLMENT BY HIGH SCHOOL FEEDER
PATTERNS**

G. RIVERSIDE HOUSING DEVELOPMENT, NEWTON, MA.

APPENDIX A SPECIAL ENROLLMENTS

This section looks at enrollments in specific programs for students enrolled in the Newton Public Schools including the Metropolitan Council for Educational Opportunity (METCO), English Language Learners, students receiving Special Education services and non-residents.

METCO Enrollment (Table 1)

The number of students participating in the METCO Program in the Newton Schools as of October 1, 2013 is 415. Of the 415 students, 46% are enrolled in the elementary schools, 24% at the middle schools and 30% at the high schools.

**TABLE 1
2013-14 METCO ENROLLMENT
BY SCHOOL AND GRADE**

School	Grade						Special Education*	Total	
	K	1	2	3	4	5			
Angier	2	3		3	8	7	0	23	
Bowen	2	3	4	4	4	3	0	20	
Burr	3				2		0	5	
Cabot	2	3	1	1	8	1	0	16	
Countryside	0	0	0	0	0	0	0	0	
Franklin	1	2	1	2		3	0	9	
Horace Mann	2		3	2	2	3	0	12	
Lincoln-Eliot	2	4	4	2	2	3	0	17	
Mason-Rice		2	1		1		0	4	
Memorial-Spaulding	2	1	1	3	4	8	0	19	
Peirce		2	3	4	2	4	0	15	
Underwood	1	5	2	2		7	0	17	
Ward	2	1	2	2	4	2	0	13	
Williams		6	1	2	4		0	13	
Zervas	2	2	3	1		1	0	9	
Total Elementary	21	34	26	28	41	42	0	192	
Grade level as % of all METCO students								46.3%	
				6	7	8			
Bigelow				13	9	4	0	26	
Brown				13	5	5	0	23	
Day				11	5	8	0	24	
Oak Hill				13	7	6	0	26	
Total Middle				50	26	23	0	99	
Grade level as % of all METCO students								23.9%	
				9	10	11	12		
North High				20	19	13	14	0	66
South High				14	15	11	18	0	58
Total High School				34	34	24	32	0	124
Grade level as % of all METCO students								29.9%	
Grand Total								415	

* The enrollment includes students who receive special education services outside the regular classroom for a significant amount of time.

English Language Learners (Tables 2 and 3)

Table 2 indicates an increase of 133 students, or 17.1% in the number of K-12 students identified as "English Language Learners" and enrolled in the state-mandated Sheltered English Immersion Program. There are a total of 911 students this year versus 778 students one year ago. The English Language Learners population has grown by 595 students, or 188%, since 1990.

**TABLE 2
ENGLISH LANGUAGE LEARNERS
1990 - PRESENT**

Year (as of October 1)	Program Enrollment	Difference	% Change
1990	316		
1991	390	74	23.4%
1992	414	24	6.2%
1993	486	72	17.4%
1994	468	-18	-3.7%
1995	454	-14	-3.0%
1996	485	31	6.8%
1997	480	-5	-1.0%
1998	466	-14	-2.9%
1999	509	43	9.2%
2000	566	57	11.2%
2001	581	15	2.7%
2002	551	-30	-5.2%
2003	545	-6	-1.1%
2004	551	6	1.1%
2005	522	-29	-5.3%
2006	553	31	5.9%
2007	635	82	14.8%
2008	650	15	2.4%
2009	687	37	5.7%
2010	766	79	11.5%
2011	783	17	2.2%
2012	778	-5	-0.6%
2013	911	133	17.1%

Table 3 on the following page shows the number of students by grade level in the current year and the two years prior. The elementary ELL population has increased by 109 students in 2013-14 compared to the prior year. The ELL population at the secondary level in grades 6 -12 has increased by 24 students from the prior year. Table 3 also shows the number of students in each of the seven largest language groups for this school year and the prior two school years. The students in these groups receive native language support as needed. "Other" languages including French, Vietnamese, Pushtu/Pashtu, and Arabic represent 15% of the total ELL program enrollment in 2013-14.

**TABLE 3
ENGLISH LANGUAGE LEARNERS
TRENDS OVER THREE YEARS
BY FIRST LANGUAGE AND GRADE LEVEL**

	2011-12			2012-13			Difference				2013-14			Difference		
	K-5	6-12	Total	K-5	6-12	Total	2011-12 vs. 2012-13				K-5	6-12	Total	2012-13 vs. 2013-14		
LANGUAGE	K-5	6-12	Total	K-5	6-12	Total	K-5	6-12	Total		K-5	6-12	Total	K-5	6-12	Total
Chinese (All Forms)	101	44	145	129	70	199	28	26	54		180	70	250	51	0	51
Russian	93	27	120	110	21	131	17	-6	11		117	23	140	7	2	9
Spanish	81	43	124	70	33	103	-11	-10	-21		66	32	98	-4	-1	-5
Korean	42	28	70	53	27	80	11	-1	10		52	27	79	-1	0	-1
Japanese	16	6	22	23	4	27	7	-2	5		34	8	42	11	4	15
Hebrew	45	13	58	44	15	59	-1	2	1		59	18	77	15	3	18
Portuguese	23	16	39	24	19	43	1	3	4		26	21	47	2	2	4
Other	135	70	205	96	40	136	-39	-30	-69		124	54	178	28	14	42
TOTAL	536	247	783	549	229	778	13	-18	-5		658	253	911	109	24	133

Students with Special Education Services (Table 4)

The following table reports five years of history of the distribution of students requiring special education services by placement type and grade level. Program placement type is defined according to the time out of the regular classroom environment required by a special education placement. The majority of students with special education services are fully included in the general education classroom, with less than 21% of time spent outside of the classroom. For all grade levels combined, the percentage of students with special education services in the Newton Public Schools is 19.0%. This is an increase of 43 students over last school year when the percentage of special education students compared to district enrollment also was 19.0%. There are fewer special education students at the elementary grade level this year with 826 students, or 14.2% versus 838 students last year, or 14.5%. There are 34 additional special education students at the middle school level this year with an overall percentage of 22.5% of students, increased from 22.4% in 2012-13. There is an increase in 21 special education students at the high school level but the overall percentage has decreased due enrollment growth among the high school population.

Ten year trends in the distribution of students by special education placement and grade level are illustrated in the graph at the end of the section.

**TABLE 4
DISTRIBUTION OF STUDENTS RECEIVING SPECIAL EDUCATION SERVICES**

October 2013										
Level	Level of Service								Total Special Education**	% of Total Enrollment
	10	20	40*	41*	50	60*	70	90		
% of Time Outside Classroom	<21%	21-60%	>60%	100%	100%	100%	100%	100%		
Elementary	728	71	12	2	13	0	0	0	826	14.2%
Middle	424	139	43	4	31	1	0	0	642	22.5%
High	585	128	97	6	67	9	0	3	895	23.6%
Total	1,737	338	152	12	111	10	0	3	2,363	19.0%

*The Level of Service of "40" is the highest level of service within Newton Public Schools and is defined as "All ages, in a substantially separate classroom"; "41" and "50" is "All ages, in a Public/Private Separate Day School"; "60" and higher is "All ages, in a Residential School." Tuitioned out students are included in codes "41" and higher.

**Pre-school students are not included. If Pre-school students (112) were included in this table, the total Special Education population would be 2,475 (19.9%).

October 2012										
Level	Level of Service								Total Special Education**	% of Total Enrollment
	10	20	40*	41*	50	60*	70	90		
% of Time Outside Classroom	<21%	21-60%	>60%	100%	100%	100%	100%	100%		
Elementary	717	67	35	1	18	0	0	0	838	14.5%
Middle	425	129	24	2	26	2	0	0	608	22.4%
High	548	130	96	8	73	13	0	3	871	23.8%
Total	1,690	326	155	11	117	15	0	3	2,317	19.0%

*The Level of Service of "40" is the highest level of service within Newton Public Schools and is defined as "All ages, in a substantially separate classroom"; "41" and "50" is "All ages, in a Public/Private Separate Day School"; "60" and higher is "All ages, in a Residential School." Tuitioned out students are included in codes "41" and higher.

**Pre-school students are not included. If Pre-school students (122) were included in this table, the total Special Education population would be 2,439 (19.6%).

TABLE 4 (Continued)
DISTRIBUTION OF STUDENTS RECEIVING SPECIAL EDUCATION SERVICES

October 2011

Level	Level of Service								Total Special Education**	% of Total Enrollment
	10	20	40*	41*	50	60*	70	90		
% of Time Outside Classroom	<21%	21-60%	>60%	100%	100%	100%	100%	100%		
Elementary	735	69	42	0	16	1	0	0	863	15.2%
Middle	464	121	8	2	26	1	0	0	622	23.3%
High	513	123	127	9	72	13	0	3	860	24.1%
Total	1,712	313	177	11	114	15	0	3	2,345	19.7%

*The Level of Service of "40" is the highest level of service within Newton Public Schools and is defined as "All ages, in a substantially separate classroom"; "41" and "50" is "All ages, in a Public/Private Separate Day School"; "60" and higher is "All ages, in a Residential School." Tuitioned out students are included in codes "41" and higher.

**Pre-school students are not included. If Pre-school students (119) were included in this table, the total Special Education population would be 2,464 (20.7%).

October 2010

Level	Level of Service								Total Special Education**	% of Total Enrollment
	10	20	40*	41*	50	60*	70	90		
% of Time Outside Classroom	<21%	21-60%	>60%	100%	100%	100%	100%	100%		
Elementary	728	55	70	0	12	1	0	0	866	15.3%
Middle	402	106	22	2	24	1	0	0	557	21.8%
High	540	131	106	6	60	12	0	2	857	23.9%
Total	1,670	292	198	8	96	14	0	2	2,280	19.4%

*The Level of Service of "40" is the highest level of service within Newton Public Schools and is defined as "All ages, in a substantially separate classroom"; "41" and "50" is "All ages, in a Public/Private Separate Day School"; "60" and higher is "All ages, in a Residential School." Tuitioned out students are included in codes "41" and higher.

**Pre-school students are not included. If Pre-school students (116) were included in this table, the total Special Education population would be 2,396 (20.3%).

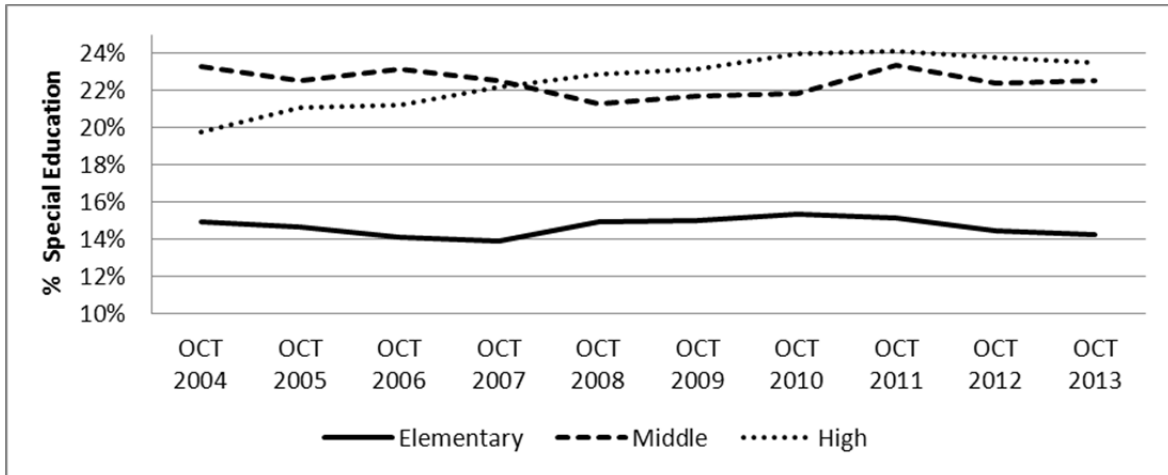
October 2009

Level	Level of Service								Total Special Education**	% of Total Enrollment
	10	20	40*	41*	50	60*	70	90		
% of Time Outside Classroom	<21%	21-60%	>60%	100%	100%	100%	100%	100%		
Elementary	725	50	45	0	8	1	0	0	829	15.0%
Middle	402	114	16	1	18	2	0	2	555	21.7%
High	501	139	106	10	48	13	0	0	817	23.2%
Total	1,628	303	167	11	74	16	0	2	2,201	19.0%

*The Level of Service of "40" is the highest level of service within Newton Public Schools and is defined as "All ages, in a substantially separate classroom"; "41" and "50" is "All ages, in a Public/Private Separate Day School"; "60" and higher is "All ages, in a Residential School." Tuitioned out students are included in codes "41" and higher.

**Pre-school students are not included. If Pre-school students (114) were included in this table, the total Special Education population would be 2,315 (19.9%).

TEN YEAR TRENDS
PERCENTAGE OF STUDENTS RECEIVING SPECIAL EDUCATION SERVICES



Non-Resident Students (Table 5)

The number of non-resident students attending the Newton Public Schools increased by 23 students since last year, or 4.1%, and is currently 583 students.

**TABLE 5
NON-RESIDENT STUDENTS
OCTOBER 1, 2012 AND OCTOBER 1, 2013**

Category	2012-13	2013-14	Difference	% Change
METCO Program Students	404	415	11	2.7%
Tuition-In Students	4	3	-1	-25.0%
Hearing Impaired (EDCO)	31	30	-1	-3.2%
Faculty Children	93	105	12	12.9%
Approved to Attend*	6	18	12	200.0%
Foreign Exchange Student	8	12	4	50.0%
TOTAL	560	583	23	4.1%

* Students may be "Approved to Attend" for reasons including status as a homeless student or state ward, or due to another time-limited residency issue.

APPENDIX B
TABLE 6
Elementary Students by District with Buffer Zones
October 2013

Elementary District	School Attending	K	1	2	3	4	5	Total	Total Students in District including Out-of-Assigned District Students	2013-14 % of District	2013-14 % of Total Students	2012-13 Number of Students	2012-13 % of District
Buffer Zones													
ANGIER-WILLIAMS	Angier	2	4	1	10	4	6	27		46%	0%	28	44%
	Williams	3	8	6	3	7	5	32		54%	1%	35	56%
	<i>Subtotal</i>	5	12	7	13	11	11	59	60	100%	1%	63	100%
ANGIER-COUNTRYSIDE (New in 2011-12)	Angier	12	23	17	4	4	3	63		32%	1%	53	27%
	Countryside	19	16	15	31	28	23	132		68%	2%	146	73%
	<i>Subtotal</i>	31	39	32	35	32	26	195	209	100%	4%	199	100%
BOWEN-COUNTRYSIDE (Expanded in 2011-12)	Bowen	3	5	3	0	1	0	12		21%	0%	10	17%
	Countryside	5	5	7	8	9	10	44		79%	1%	50	83%
	<i>Subtotal</i>	8	10	10	8	10	10	56	60	100%	1%	60	100%
BOWEN-MASON-RICE	Bowen	3	3	2	5	4	3	20		40%	0%	19	37%
	Mason-Rice	8	8	5	3	3	3	30		60%	1%	32	63%
	<i>Subtotal</i>	11	11	7	8	7	6	50	52	100%	1%	51	100%
BURR-WILLIAMS (Expanded in 2012-13)	Burr	11	2	6	9	3	5	36		59%	1%	28	50%
	Williams	3	9	2	2	8	1	25		41%	0%	28	50%
	<i>Subtotal</i>	14	11	8	11	11	6	61	63	100%	1%	56	100%
COUNTRYSIDE-MEMORIAL-SPAULDING	Countryside	0	0	0	0	0	0	0		0%	0%	0	0%
	Memorial-Spauldng	0	1	2	1	0	2	6		100%	0%	8	100%
	<i>Subtotal</i>	0	1	2	1	0	2	6	6	100%	0%	8	100%
COUNTRYSIDE-ZERVAS	Countryside	1	0	0	1	0	0	2		67%	0%	1	100%
	Zervas	1	0	0	0	0	0	1		33%	0%	0	0%
	<i>Subtotal</i>	2	0	0	1	0	0	3	6	100%	0%	1	100%
FRANKLIN-BURR (Expanded in 2012-13)	Burr	2	5	3	2	5	2	19		50%	0%	23	55%
	Franklin	2	3	3	4	4	3	19		50%	0%	19	45%
	<i>Subtotal</i>	4	8	6	6	9	5	38	42	100%	1%	42	100%
FRANKLIN-HORACE MANN	Franklin	3	5	2	0	0	0	10		23%	0%	4	10%
	Horace Mann	3	7	8	7	6	3	34		77%	1%	37	90%
	<i>Subtotal</i>	6	12	10	7	6	3	44	44	100%	1%	41	100%
HORACE MANN-LINCOLN-ELIOT	Horace Mann	1	1	7	3	3	4	19		73%	0%	21	81%
	Lincoln-Eliot	3	1	0	1	0	2	7		27%	0%	5	19%
	<i>Subtotal</i>	4	2	7	4	3	6	26	28	100%	0%	26	100%
MASON-RICE-WARD	Mason-Rice	3	6	8	6	7	12	42		75%	1%	47	78%
	Ward	3	2	1	2	3	3	14		25%	0%	13	22%
	<i>Subtotal</i>	6	8	9	8	10	15	56	56	100%	1%	60	100%

APPENDIX B
TABLE 6
Elementary Students by District with Buffer Zones
October 2013

Elementary District	School Attending	K	1	2	3	4	5	Total	Total Students in District including Out-of-Assigned District Students	2013-14 % of District	2013-14 % of Total Students	2012-13 Number of Students	2012-13 % of District
UNDERWOOD-WARD	Underwood	0	1	1	1	0	1	4		80%	0%	3	43%
	Ward	0	0	0	0	0	1	1		20%	0%	4	57%
	<i>Subtotal</i>	0	1	1	1	0	2	5	7	100%	0%	7	100%
WILLIAMS-PEIRCE	Peirce	18	7	19	8	10	8	70		75%	1%	68	77%
	Williams	3	3	3	3	7	4	23		25%	0%	20	23%
	<i>Subtotal</i>	21	10	22	11	17	12	93	94	100%	2%	88	100%
ZERVAS-MASON-RICE	Mason-Rice	0	0	0	1	1	1	3		60%	0%	4	67%
	Zervas	1	0	0	0	1	0	2		40%	0%	2	33%
	<i>Subtotal</i>	1	0	0	1	2	1	5	5	100%	0%	6	100%
Total Buffer Zones		113	125	121	115	118	105	697	732	100%	13%	708	100%
Regular Districts													
ANGIER	Angier	48	39	39	53	49	42	270	275	6%	5%	272	6%
BOWEN	Bowen	87	68	66	74	63	79	437	445	10%	8%	414	9%
BURR	Burr	63	59	58	54	59	59	352	368	8%	6%	349	8%
CABOT	Cabot	51	69	62	74	64	64	384	401	8%	7%	383	8%
COUNTRYSIDE	Countryside	38	43	41	37	53	42	254	278	6%	5%	263	6%
FRANKLIN	Franklin	71	53	65	44	59	47	339	362	7%	6%	341	8%
HORACE MANN	Horace Mann	55	60	48	51	51	44	309	327	7%	6%	282	6%
LINCOLN-ELIOT	Lincoln-Eliot	55	42	48	51	47	40	283	319	6%	5%	269	6%
MASON-RICE	Mason-Rice	75	62	47	59	62	52	357	361	8%	6%	329	7%
MEMORIAL-SPAULDING	Memorial-Spauldning	61	69	63	68	63	64	388	397	8%	7%	415	9%
PEIRCE	Peirce	25	42	35	40	30	33	205	210	4%	4%	225	5%
UNDERWOOD	Underwood	47	44	43	52	54	34	274	290	6%	5%	261	6%
WARD	Ward	37	46	48	37	42	33	243	248	5%	4%	254	6%
WILLIAMS	Williams	35	30	31	32	42	34	204	213	4%	4%	198	4%
ZERVAS	Zervas	45	48	33	60	39	55	280	292	6%	5%	283	6%
Total Regular Districts		793	774	727	786	777	722	4,579	4,786	100%	83%	4,538	100%
Out-of-Assigned District Students		22	31	53	32	45	59	242			4%	267	
Total Students		928	930	901	933	940	886	5,518	5,518		100%	5,513	

NOTES:

- 1.) The figures in this table are based on preliminary enrollments and are derived from resident students only.
- 2.) The figures in this table do not include students attending private schools.

**APPENDIX C
TABLE 7**

City of Newton, Massachusetts Population Growth

Age Range	1990 Census*	2000 Census*	2010 Census*	Change 2010 Census vs. 2000 Census	% Change
0-4	4,423	4,401	4,497	96	2.2%
5-9	4,411	5,014	5,290	276	5.5%
10-14	3,935	5,267	5,336	69	1.3%
15-19	6,800	6,653	8,017	1,364	20.5%
20-24	7,189	5,133	5,594	461	9.0%
25-34	13,609	10,809	8,268	(2,541)	-23.5%
35-44	13,590	12,823	10,755	(2,068)	-16.1%
45-54	9,025	13,400	12,621	(779)	-5.8%
55-59	3,569	4,408	6,132	1,724	39.1%
60-64	3,743	3,281	5,657	2,376	72.4%
65-74	6,449	5,918	6,197	279	4.7%
75-84	4,248	4,667	4,294	(373)	-8.0%
85 and Older	1,594	2,055	2,488	433	21.1%
Grand Total	82,585	83,829	85,146	1,317	1.6%

*Source: U.S. Census Bureau, City of Newton, Massachusetts Census

APPENDIX D
TABLE 8
PROPERTIES LISTED FOR SALE IN NEWTON BY ELEMENTARY DISTRICT

School District	Number of Taxable Properties	% For Sale	Number for Sale	Number for Sale Last Year	SINGLE FAMILY					CONDO					MULTI-FAMILY			
					2 B.R.	3 B.R.	4 B.R.	5 B.R.	6+ B.R.	1 B.R.	2 B.R.	3 B.R.	4 B.R.	5+ B.R.	3 B.R.	4 B.R.	5+ B.R.	
Angier	1,484	1.0%	15	17		1	5	6	3									
Bowen	2,936	0.7%	20	37		2	1	3	3	4	4	2						1
Burr	1,318	0.5%	7	15		2	2	1				1						1
Cabot	1,871	0.6%	12	14		1	1	3	2	1		3	1					
Countryside	1,652	0.7%	11	25		4	2	3	1									1
Franklin	1,738	0.6%	10	10	1	2	4					1	1					1
Horace Mann	1,348	0.5%	7	7		1		1	1		2	1						1
Lincoln-Eliot	1,594	0.6%	9	22		4	1					2				1		1
Mason-Rice	1,778	0.3%	5	10		1		1	2		1							
Memorial-Spaulding	2,158	1.1%	23	24		4	5	9	3		2							
Peirce	1,057	1.2%	13	20		1	4	3	4			1						
Underwood	1,410	0.5%	7	9				1	1		3	2						
Ward	1,410	1.3%	18	14		1	3	3	6	1			1	1				2
Williams	779	1.2%	9	11		1	3			1			3	1				
Zervas	1,265	1.3%	17	5		1	5	1	6			3						1
Angier/Williams	258	0.4%	1	2				1										
Burr/Williams	144	2.1%	3	2				1				1	1					
Countryside/Memorial-Spaulding	67	1.5%	1	0					1									
Countryside/Zervas	33	0.0%	0	0														
Countryside / Angier	841	0.5%	4	7		1	1					2						
Franklin/Burr	192	0.0%	0	2														
Franklin/Horace Mann	180	0.0%	0	2														
Horace Mann/Lincoln-Eliot	207	0.5%	1	0		1												
Mason-Rice/Ward	299	0.7%	2	1				1	1									
Williams/Peirce	256	0.0%	0	1														
Zervas/Mason-Rice	51	0.0%	0	0														
Total	26,326	1.0%	195	257	1	28	37	38	34	7	12	19	7	2	0	1	9	
Last Year's Property Mix			255		2	29	53	51	18	9	24	29	16	7	1	5	11	
Difference			-62		-1	-1	-16	-13	16	-2	-12	-10	-9	-5	-1	-4	-2	
% Difference			-24%		-50%	-3%	-30%	-25%	89%	-22%	-50%	-34%	-56%	-71%	-100%	-80%	-18%	

Note: This data came from TheMLSonline.com listings of residential properties for sale in Newton, Ma. as of 11/5/2013 and is subject to change on a daily basis. Only listings classified as "active" are included. There may be other properties for sale in Newton that are not contained on this listing service. The Number of Taxable Properties is updated as of November 2012.

**APPENDIX D
TABLE 9**

**CITY OF NEWTON
Residential Property Sales by District January 2005 to September 2013**

School District	2005	2006	2007	2008	2009	2010	2011	2012	2013
Angier	64	60	71	42	50	45	68	58	62
Angier/Williams	6	7	6	6	9	7	7	7	9
Bowen	172	142	142	128	144	153	134	165	140
Bowen/Mason-Rice	9	9	8	7	6	6	13	15	3
Burr	65	41	45	39	45	36	54	55	41
Burr/Williams	9	6	6	3	5	5	6	7	9
Cabot	90	76	77	68	48	81	46	91	73
Countryside	79	55	69	61	50	66	64	70	48
Countryside/Angier	49	45	59	32	39	33	31	42	33
Countryside/Bowen	13	12	11	12	14	11	10	5	11
Countryside/Memorial-Spaulding	3	2	1	3	2	5	4	1	2
Countryside/Zervas	2	2	1	1	1	1	1	1	1
Franklin	62	55	74	45	55	77	66	66	49
Franklin/Burr	5	7	12	8	15	9	5	15	8
Franklin/Horace Mann	7	7	4	7	6	9	3	8	3
Horace Mann	50	43	56	37	38	49	32	52	38
Horace Mann/Lincoln-Eliot	7	7	11	5	4	4	7	9	13
Lincoln-Eliot	69	77	69	42	43	47	49	62	59
Mason-Rice	65	56	84	69	52	52	50	67	49
Mason-Rice/Ward	15	4	12	11	6	6	4	12	8
Memorial-Spaulding	111	91	92	77	91	100	94	114	91
Peirce	40	54	59	43	34	39	33	49	36
Underwood	72	65	54	56	56	48	55	76	54
Underwood/Ward	4	0	1	5	0	1	1	2	1
Ward	59	53	56	105	52	40	62	62	40
Williams	35	61	32	21	33	28	31	33	35
Williams/Peirce	12	10	9	14	4	10	10	18	13
Zervas	52	39	52	47	45	45	43	52	40
Zervas/Mason-Rice	1	3	0	1	1	0	2	2	0
Totals	1,227	1,089	1,173	995	948	1,013	985	1,216	969

* Calendar Year 2013 information is from January 1, 2013 to September 30, 2013.

APPENDIX E

TABLE 10

NESDEC's Projections vs Newton's Projections

**Grades K through 12
Newton's Projections**

Level	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19
Elementary	5,860	5,870	5,899	5,963	5,941
Middle	2,838	2,869	2,852	2,891	2,944
High School	3,791	3,919	4,050	4,088	4,124
Special Education	100	100	100	100	100
Total	12,589	12,758	12,901	13,042	13,109

NESDEC's Projections*

Level	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19
Elementary	5,865	5,835	5,821	5,873	5,844
Middle	2,839	2,882	2,859	2,901	2,944
High School	3,797	3,927	4,069	4,112	4,166
Special Education	100	100	100	100	100
Total	12,601	12,744	12,849	12,986	13,054

Difference

Level	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19
Elementary	-5	35	78	90	97
Middle	-1	-13	-7	-10	0
High School	-6	-8	-19	-24	-42
Special Education	0	0	0	0	0
Total	-12	14	52	56	55

**Kindergarten Only
Newton's Projections**

Level	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19
Kindergarten	892	909	911	918	913

NESDEC's Projections*

Level	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19
Kindergarten	900	875	877	915	917

Difference

Level	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19
Kindergarten	-8	34	34	3	-4

*Note: All non-resident students have been added to NESDEC's projections.

**APPENDIX F
TABLE 11**

Total Enrollment by High School Feeder Patterns

School:	Feeds Into:	Newton North Feeding Schools						Newton South Feeding Schools						
		2013	2014	2015	2016	2017	2018	2013	2014	2015	2016	2017	2018	
Lincoln-Eliot	Bigelow	329	330	335	329	323	327							
Underwood	Bigelow	327	339	330	323	330	325							
Ward	Bigelow	289	296	296	303	305	301							
Burr	Day	424	423	425	429	428	432							
Cabot	Day	419	422	419	412	417	404							
Franklin	Day	389	397	393	414	407	414							
Horace Mann	Day	427	436	443	446	437	432							
Peirce	Day	312	317	326	328	321	321							
Angier	Brown							417	422	428	432	443	443	
Countryside	Brown							457	455	435	420	414	413	
Mason-Rice	Brown	91	92	92	94	97	97	366	370	370	378	390	387	
Williams	Brown	49	48	45	47	50	50	255	255	238	247	264	262	
Bowen	Oak Hill							502	493	505	510	521	520	
Memorial-Spaulding	Oak Hill							429	437	449	452	461	458	
Zervas	Oak Hill							317	328	341	335	355	355	
Total Elementary		3,056	3,100	3,104	3,125	3,115	3,103	2,743	2,760	2,766	2,774	2,848	2,838	
Bigelow	North	525	489	489	503	526	521							
Day	North	947	955	996	977	1,025	1,046							
Brown	North (13%); South (87%)	97	96	100	97	97	95	646	646	669	652	649	639	
Oak Hill	South							634	652	615	623	594	643	
Total Middle School		1,569	1,540	1,585	1,577	1,648	1,662	1,280	1,298	1,284	1,275	1,243	1,282	
Newton North		2,015	2,062	2,132	2,201	2,211	2,224							
Newton South								1,778	1,829	1,887	1,949	1,977	2,000	
Total All Grade Levels		6,640	6,702	6,821	6,903	6,974	6,989	5,801	5,887	5,937	5,998	6,068	6,120	
Change from Prior Year			62	119	82	71	15		86	50	61	70	52	
% Change			0.9%	1.8%	1.2%	1.0%	0.2%		1.5%	0.8%	1.0%	1.2%	0.9%	
Difference between North and South		237	233	245	252	234	224							

**APPENDIX G
TABLE 12**

**Riverside Housing Development, Newton MA
Scenarios for Enrollment in Newton Public Schools**

Proposed Unit Types at Riverside			Enrollment Scenarios are generated by using four different ratios of NPS Students to Type of Unit:							
			Ratio 1	Resulting School Age Children	Ratio 2	Resulting School Age Children	Ratio 3	Resulting School Age Children	Ratio 4	Resulting School Age Children
Units	%	#	#	#	#	#	#	#	#	
Studios	21	7%	0.000	0	0.000	0	0.000	0	0.000	0
1 BR Market	130	45%	0.000	0	0.000	0	0.000	0	0.000	0
1 BR Affordable	23	8%	0.000	0	0.000	0	0.000	0	0.000	0
2 BR Market	88	30%	0.192	17	0.193	17	0.258	23	0.625	55
2 BR Affordable	15	5%	0.914	14	0.922	14	1.219	19	N/A	N/A
3 BR Market	11	4%	0.740	8	0.731	8	0.929	10	N/A	N/A
3 BR Affordable	2	1%	2.579	5	2.548	5	3.250	6	N/A	N/A
Total	290			44		44		58		55
Average of Four Ratios = Estimated 50 School Age Children at Riverside										

Notes:

- 1) Ratios are based on 2013-14 enrollment as follows: Ratio 1 - Avalon Newton Highlands; Ratio 2 - Avalon at Chestnut Hill; Ratio 3 - Arborpoint at Woodland Station; Ratio 4 - 264 to 290 Grove Street, 2 bedroom units only.
- 2) The numbers and types of units are as presented by BH Normandy Riverside LLC at the time of permit application in 2013.
- 3) All school children with physical addresses at the above developments are included in the ratio calculations. The assignment of school children to different unit types (e.g., 2BR or 3BR units) is based on industry estimates.
- 4) As per actual data, 60% of students are enrolled at the elementary grade level and 40% are enrolled at the secondary grade level.
- 5) An average of 14% of school age children in 2013-14 residing at the two Avalon Complexes attend private school.