

Enrollment Analysis Report

2014-2015 to 2019-2020



Newton Public Schools
100 Walnut Street
Newtonville, MA 02460

November 2014

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EXECUTIVE SUMMARY

2014-15 ENROLLMENT ANALYSIS

EXECUTIVE SUMMARY

The Newton Public Schools have experienced ten consecutive years of enrollment growth, with 1,235 students (11%) added from 2005 to 2014. The steepest growth has occurred during the past five years when a net of 896 students entered the district. Current 2014-15 enrollment of 12,503 has risen by 62 students since last year. The district is expected to increase by an additional 659 students (5%) over the next five years, with half of the expected growth at the elementary and middle schools, and half at the high schools. This school year is the peak enrollment year for Newton South High School with 1,804 students in attendance.

This year's kindergarten population of 938 students continues the robust five-year trend in the district's kindergarten enrollment. The current elementary school population of 5,833 students is once again the highest since the 1970s. On average, grades within elementary schools have an enrollment of 972 students, and elementary grades are expected to grow on average to about 1,000 students by 2018. This year, all elementary cohorts except kindergarten to grade 1 are stable indicating movement of families into the district is equal to movements out of the district. From kindergarten to grade 1, there is growth in the number of students as has been Newton's experience for decades. Typically, grades 2 through 4 also have positive cohort growth but this is not the case in the current year resulting in a slower than expected rate of elementary growth this year.

The middle schools have grown by 353 students (14%) from 2007-08 to the present; the current seventh grade class is the largest since 1980. Although middle school growth has slowed down in 2014-15, with a net decrease of 43 students since last year, the district is expected to add a net of 100 middle school students over the next five years. The high school growth trend that began in 2012-13 has resulted in an additional 296 students; over the next five years, growth of 339 students (9%) is expected. Larger cohorts are transitioning from middle to high school; last year's class of 939 eighth graders has grown to 977 grade nine students. By school year 2023-24, today's kindergarten class of 938 students is on track to be a freshman class of 1,065 students.

This school year is again a strong enrollment year for students currently enrolled as English Language Learners which has been an area that has outpaced overall enrollment growth. There are 875 ELL students in 2014-15, growth of 188 students (27%) over five years; there was a slight decrease of 36 students since last year. The percentage of students with identified special needs has increased by 26 students since last year and is 19.1% of all district students.

Current enrollment of 12,503 is 86 students below the projection made in November 2013, a variance from projection of 0.7%. By grade level, the difference is made up of 27 fewer elementary school students, 32 fewer middle school students and 27 fewer high school students. Kindergarten, however, exceeded growth projections by 5% and will be a strong component of ongoing enrollment growth. This report details changes in enrollments by school since last year, and reviews current enrollments as compared with the November 2013 projections. Actual 2014-15 enrollments presented in this report have changed slightly from the Preliminary Enrollment Report of October 15, 2014, with a net increase of three students.

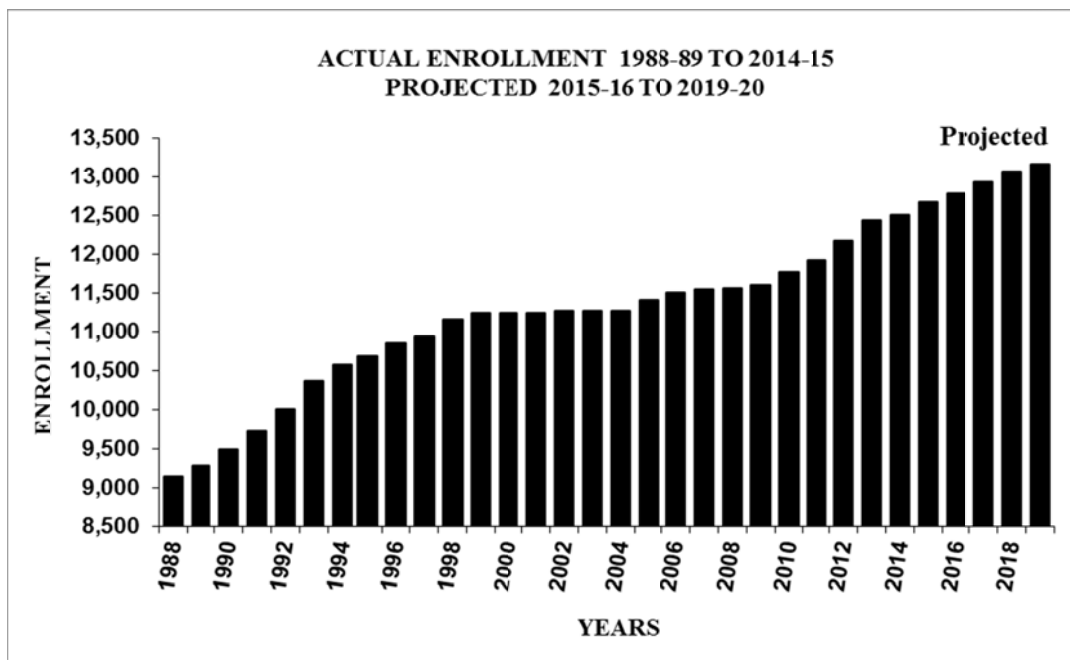
Future Enrollment

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 2015-16 kindergarten projection has been calculated using a straight five-year average of previous kindergarten enrollments, a change prompted by the large kindergarten classes of the past five years. The methodology of the past several years, which used city census data as part of the projection, yields projections that, at well below 900 students, are likely too low. See Section II entitled *Enrollment Projection Method* for more information and discussion of the full methodology used in this year's forecast.

Level	Actual 2014-15	Projections Using 5 Year Ratios*				
		2015-16	2016-17	2017-18	2018-19	2019-20
Elementary	5,833	5,859	5,905	5,987	6,019	6,001
Middle	2,806	2,852	2,847	2,858	2,886	2,958
High School	3,864	3,972	4,042	4,099	4,157	4,203
Total	12,503	12,683	12,794	12,944	13,062	13,162

* The projections include a separate forecast for kindergarten based on a straight five-year average of previous kindergarten enrollments.

The following graph is a representation of 31 years of enrollment in the Newton Public Schools, from 1988 to 2019, including projections from 2015 through 2019. The graph illustrates the trend of sustained increases during the 1990's, then a six-year period of stability, followed by the growth trend of the past ten 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 17-26) an overview that provides answers to commonly asked questions regarding the enrollment projection method.
- III. Enrollment History - (pages 27-35) a discussion of past enrollment trends for the district and for the elementary, middle, and high school grade configurations.
- IV. Individual School Reports - (pages 36-78) include information on current and projected enrollments by school and by grade and/or program.
- V. Student Exits and Entrances – (pages 79-86) provide data on student mobility in the prior 2013-14 school year. 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 F (pages 87-100): 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; Newton property types and housing types of Newton Public School students, 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.

I. ENROLLMENT TRENDS

System-wide Projections

Elementary Projections

Secondary Projections

National, State and Local Trends

Rental Housing Complexes

Housing Trends in Newton

Trends in Housing Patterns of District Families

Real Estate Sales

I. ENROLLMENT TRENDS

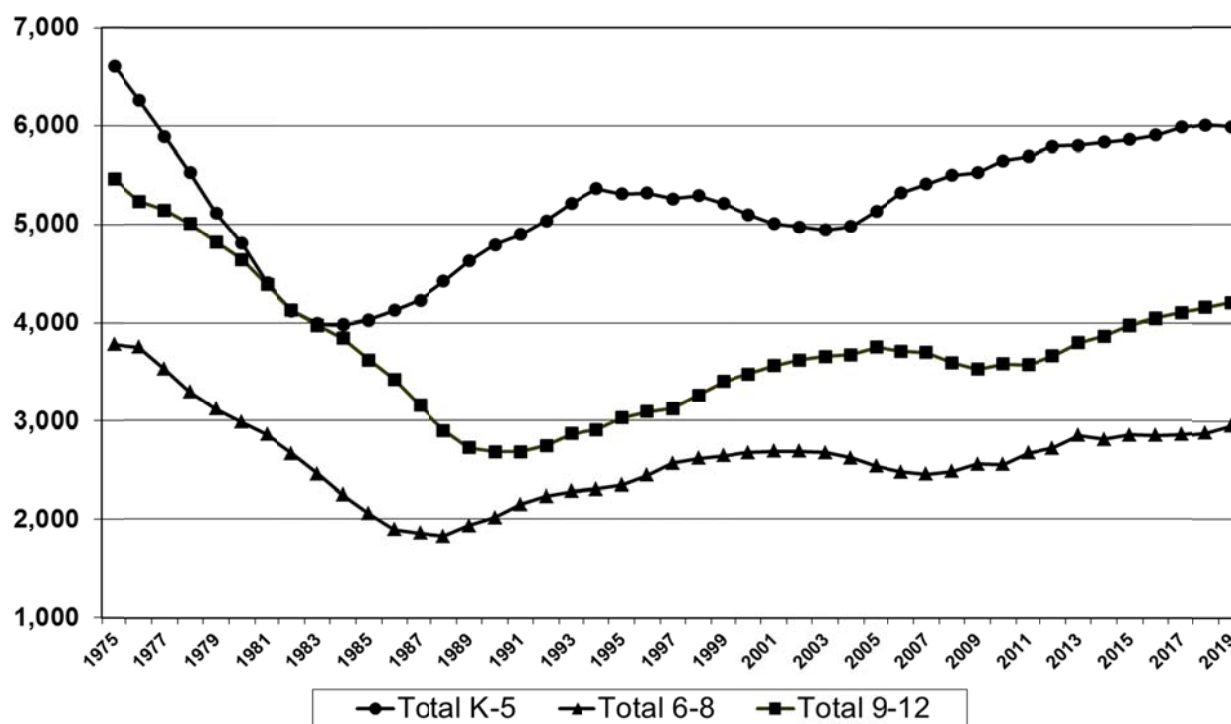
System-wide Projections

Enrollment for all schools is projected to increase by a net of 659 students during the next five years after growing by a net of 1,235 students since 2004-05 – total growth of 1,894 students (17%) over fifteen 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 2014-15 as well as projections for the next five years. Tables 2 and 4 are enrollment history and projections from 1975-76 to 2019-20, 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 2015-16 through 2019-20. Tables 7, 8 and 9 provide grade level histories of enrollments from the past several decades as well as projected enrollments for 2015-16 to 2019-20.

The chart below provides an overview of five decades of enrollment trends with differences shown by grade level. 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
1975-76 TO 2019-20**



Elementary Projections

Elementary enrollment is expected to increase from 5,833 students to 5,859 students next year, an increase of 26 students, similar to this year's increase of 34 students. Since 2003-04, the population has grown by a total of 895 students, or 18%. Enrollment projections are dependent on current student counts and trends from past years. Today's kindergarten enrollment is among the highest in decades at 938 students; the average size of the kindergarten classes over the last three years has been 943 students. Please refer to Section II for an explanation of the kindergarten projection methodology which explains the significance of city census data for children aged 3 to 5 years as well as birth data.

Refer to Section IV, Individual School Reports, for the elementary school projections by grade and by school and other enrollment details. Enrollments at 12 of the 15 elementary schools are expected to increase over the next five years. The largest increase is projected at Memorial-Spaulding (+44 students, or +10%). Increases are also projected for Angier (+38 students, or +10%), Franklin (+34 students, 8%) and Williams (+18 students, or +6%). Both Countryside and Cabot are projected to decrease by 25 students each. *Please note the projections do not reflect changes in district assignments that will occur as part of the newly formed Student Assignment Working Group, charged with analyzing and evaluating options to balance district enrollments as the Angier, Zervas and Cabot school building projects are complete.*

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 buffer zones be used by school administration to determine space availability 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

Middle school enrollment is down by 43 students in 2014-15, but is projected to increase next year by 26 students. Next year's incoming grade six is 37 students more than the prior year. Over the next five years, middle school enrollment is projected to grow by an additional 152 students to 2,958 students, an increase of 5%.

This year's high school enrollment of 3,864 students has grown by 71 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 2019-20, a net increase of 339 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 200 students, or +10% and Newton South High School will increase by 139 students, or +8%. The difference in enrollment between the two high schools is expected to be close to 300 students over the next five years. 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 most nearby districts continues to increase. The chart below shows the status of district enrollments over a recent five-year time period from 2008-09 to 2013-14 for ten communities, with the largest absolute and percentage growth in Brookline, followed by Belmont and Newton on a percentage basis.

Five Year Enrollment Change in Surrounding Districts

School Year	Brookline	Belmont	Newton	Needham	Waltham	Watertown	Lexington	Wellesley	Wayland	Weston
2013-14	7,029	4,137	12,441	5,439	5,003	2,569	6,582	4,939	2,681	2,285
2008-09	5,982	3,791	11,570	5,053	4,626	2,386	6,181	4,795	2,756	2,349
Change	1,047	346	871	386	377	183	401	144	-75	-64
Percent	18%	9%	8%	8%	8%	8%	6%	3%	-3%	-3%

Source: Massachusetts Department of Elementary and Secondary Education (ESE)

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

Total enrollments by school for the four largest residential rental communities are shown in the following table; enrollments have decreased since last year at two of the four complexes. There is an overall net increase of five students at the four complexes. 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 52 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 98 students enrolled in the Newton Public Schools, less than last year. Avalon at Chestnut Hill, a 204-unit apartment complex opened in 2006, has 72 students enrolled in the Newton Public Schools, an increase of four students since last year. Arborpoint at Woodland Station, a 2007 transit-oriented 180-unit rental complex, has 53 students enrolled in the district compared to 54 students last year.

There are several rental development proposals in the City being monitored at this time due to the potential impact on enrollment projections. The Rowe Street project, via Dinosaur Capital Partners LLC, would consist of 135 units in Auburndale and is expected to file for permitting in November 2014. Kessler Woods at LaGrange Street, put forth by Chestnut Hill Reality Development LLC, received recent Board of Aldermen approval for special permitting to

¹ United States Census Bureau, Census 2010

build 80 units, with 12 affordable. The City has awarded a contract for design development to Austin Street Partners for the reuse of the Austin Street Parking lot, for a development with approximately 18 units. The Manchester, a 40B residential proposal put forth by 135 Wells Avenue LLC, proposes a 334-unit rental apartment complex in the Oak Hill neighborhood; 25% of the units would be affordable. The Land Use Committee upheld the residential restriction on the property this November; more information will be known in the coming months. Within Newton there are several small projects, each planned for four units or less, which are currently going through the permitting process (California Street, Chandler Street, Elm Street and Crescent Street).

School	Avalon at Newton Highlands (294 Units)	Avalon at Chestnut Hill (204 Units)	Arborpoint at Woodland Station (180 Units)	Woodland Park at 264- 290 Grove Street (126 Units)	Total
Angier	12	1			13
Burr	1				1
Countryside	35				35
Franklin				2	2
Mason-Rice		1			1
Memorial-Spaulding		39			39
Peirce	1		12		13
Williams	1		11	32	44
Brown	21		6	12	39
Day	2		7		9
Oak Hill	2	15	1		18
Newton North	3	1	12		16
Newton South	20	15	4	6	45
Total	98	72	53	52	275
Total in Prior Year (2013-14)	101	68	54	47	270
Annual Increase/Decrease	-3	4	-1	5	5
Additional Students in Private School (2014-15)	25	15	4	1	45

The nine acre Riverside proposal for 290 residential apartments in a mix-use development including retail and offices 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 project is delayed currently pending funding for the garage. Because the special permit was issued, students were included in the projections for the first time last year in November 2013. Students again are included in the projection, but are pushed back one year due to the project delay, commencing in 2018-19 and continuing in 2019-20. 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.

Housing Trends in Newton

In addition to the increased numbers of large apartment complexes in the City during the past ten years, Newton has had an increase in the number of condominium properties as well.

According to the City Assessor's office (see Appendix D, Table 8), there has been an increase of 1,146 condominium properties, or 33%. Condominiums have been the result of both conversions of existing properties such as two family homes, which have decreased by 11% in the past decade, and new construction or additions. The total numbers of units within new condominiums ranges from two to 58 units. The smallest change over the past ten years has been in single family homes.

Trends in Housing Patterns of District Families

There have also been shifts in the housing patterns of families with Newton Public School children. According to city Geographic Information System data that matches school students to housing types (as seen in Appendix D, Table 8) families are living in the new types of housing that are now available in Newton. While approximately the same number of school children live in single family homes in 2012 as did ten years ago in 2002, the percentage of school children living in single family homes has declined from 73% to 67% because of enrollment growth during this time period. Conversely, there has been an increase from 5% to 10% in the percentage of school children living in condominiums. The data illustrates that families of Newton school children today are more likely to live in condominiums, apartments and two/three family homes (in that order) than a decade ago.

Real Estate Sales

According to data obtained from City of Newton records, there were 1,165 residential property sales in calendar year 2013 versus 1,216 the year before, a decrease of 4%; nonetheless, calendar year 2013 had the second highest number of property sales of the last six years. (See Appendix D, Table 9.) Through the first nine months of 2014, real estate sales totaled 934 versus 969 (-4%) 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.

Additional information is provided in Table 10 of Appendix D with properties listed for sale by school district in Newton as of November 2014; there are 26% more properties listed for sale in Newton this year as compared to one year ago. Seventy-five percent of properties listed for sale in Newton are single family homes with nearly eight out of every ten homes having four or more bedrooms. New this year in Table 10 of Appendix D are the percentages by type of property on the market by school district, the three columns to the far right. For example, in the Bowen School district, 60% of properties listed for sale are condominiums, 33% are single family and 7% are multi-family while in the Memorial-Spaulding district, 87% of properties for sale are single family, and 13% are condominiums.

TABLE 1
PROJECTED ENROLLMENTS BY SCHOOL
FY16-FY20

School	Spec. Ed.*	Actual FY15	Projections Using 5 Year Average Ratios**				
			FY16	FY17	FY18	FY19	FY20
Angier		402	412	416	430	437	440
Bowen		475	485	492	507	511	490
Burr		424	426	431	436	443	434
Cabot		418	413	405	401	386	393
Countryside		466	447	432	429	434	441
Franklin		413	416	438	441	451	447
Horace Mann		434	443	446	434	428	428
Lincoln-Eliot		337	340	341	345	348	338
Mason-Rice		478	476	484	505	508	494
Memorial-Spaulding		434	447	451	463	467	478
Peirce		306	315	317	308	315	321
Underwood		341	337	340	352	355	357
Ward		304	309	317	320	320	316
Williams		292	276	288	296	299	310
Zervas		309	317	307	320	317	314
TOTAL ELEMENTARY	(0)	5,833	5,859	5,905	5,987	6,019	6,001
Bigelow		504	498	501	515	523	548
Brown		738	781	787	755	735	749
Day		932	976	961	1,022	1,035	1,051
Oak Hill		632	597	598	566	593	610
TOTAL MIDDLE	(0)	2,806	2,852	2,847	2,858	2,886	2,958
Newton North	(78)	2,060	2,132	2,189	2,208	2,224	2,260
Newton South	(16)	1,804	1,840	1,853	1,891	1,933	1,943
TOTAL HIGH SCHOOL	(94)	3,864	3,972	4,042	4,099	4,157	4,203
GRAND TOTAL	(94)	12,503	12,683	12,794	12,944	13,062	13,162

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

**Five-year averages of previous kindergarten enrollments are used to project kindergarten enrollment.

TABLE 2

Newton Public Schools
Enrollment History and Projections by School
1975 to 2019

School Name	Peak Enroll	Peak Year	1975	1976	1977*	1978*	1979*	1980*	1981*	1982*	1983**	1984*	1985*	1986*	1987	1988	1989	1990	1991	1992	1993***	1994	1995	1996
Angier	752	1953	408	408	394	429	414	424	400	375	384	413	412	419	409	410	439	436	441	469	428	430	430	436
Bowen	502	2013	338	301	354	349	328	309	300	291	283	312	348	350	364	366	403	413	426	428	410	414	421	410
Burr	496	1967	338	313	256	232	218	264	236	229	211	204	210	238	249	260	304	299	302	323	275	294	287	292
Cabot	539	1967	406	388	373	349	315	306	410	351	342	336	337	362	362	387	424	449	470	473	443	431	420	417
Carr	401	1963	295	290	271	269	235																	
Claffin	420	1960	349	314	283	253	231	215																
Countryside	557	1959	302	302	231	218	349	338	347	316	303	379	394	418	436	451	458	474	500	497	461	477	446	449
Davis	352	1961	279	273	276	256	247																	
Emerson	345	1955	276	245	222	201																		
Franklin	601	1961	460	445	420	388	389	478	399	394	388	345	338	334	331	347	364	382	361	360	332	350	346	366
Hamilton	222	1960	144	147	126																			
Horace Mann	427	2013	295	270	252	228	216	317	301	287	261	268	258	249	276	287	299	323	318	324	285	288	294	282
Hyde	669	1952	385	352	350	364	351	341	314	310	301													
Lincoln-Eliot	435	1970	368	361	342	286	244	320	308	269	237	246	242	239	250	249	285	316	338	352	293	306	333	345
Mason-Rice	620	1962	475	445	428	410	384	360	349	321	286	418	402	419	419	423	436	459	475	486	395	417	405	397
Memorial	536	1953	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	454
Oak Hill Elementary	450	1962	310	304	323	341	304	274	268	230	207													
Peirce	429	1960	390	362	341	345	349	355	355	302	290	291	266	253	253	267	282	283	272	292	270	270	259	250
Spaulding	587	1961	268	253																				
Underwood	582	1970	497	463	437	411	392	373	328	293	308	291	292	264	280	277	283	303	310	302	295	311	283	285
Ward	506	1971	499	500	428	404	371	334	302	278	258	286	279	312	325	354	351	372	378	386	330	342	366	360
Williams	375	1969	311	281	272	298	258	235	214	209	213	223	221	219	216	238	244	255	284	302	271	261	254	288
Zervas (formerly Beethoven)	350	1964	287	286	242	239	240	238	227	209	213	278	281	258	266	273	280	290	320	325	302	303	288	287
Peabody (SPED)	37																							
Total Elem			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	5,318
Change			-179	-443	-462	-374	-475	-354	-431	-411	-199	-87	0	73	116	156	290	206	144	158	-589	147	-54	9
% Change			-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%	0.2%
Total # Elem Schools			23	23	22	21	20	18	17	17	17	15	15	15	15	15	15	15	15	15	15	15	15	15
Bigelow	612	1996	589	572	575	529	517	503	482	537	425	350	168				528	508	628	689	534	567	590	612
Brown (formerly Meadowbrook)	1,024	1964	800	823	842	822	810	858	636	654	615	600	597	570	548	557	528	508	628	689	989	940	945	974
Day	947	2013	780	804	778	724	724	734	774	847	652	604	654	709	684	680	730	797	772	770	755	794	808	856
Oak Hill Middle	634	2013																						
Warren	1,270	1969	883	884	846	763	681	629	606	419														
Weeks	1,033	1960	675	663	625	563	458	287																
Total Middle School			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	2,442
Change			-91	19	-80	-265	-211	-179	-513	-41	-765	-138	-135	-140	-47	5	21	47	95	59	819	23	42	99
% Change			-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%	4.2%
Total # Middle Schools			5	5	5	5	5	5	4	4	3	3	3	2	2	2	2	2	2	2	3	3	3	3
North	2,976	1972	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	1,867
South	1,784	2007	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	1,223
Total High School			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	3,090
Change			-40	-176	-145	-97	-83	-91	153	-285	477	-132	-219	-198	-264	-259	-177	-41	1	65	120	41	121	62
% Change			-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%	2.0%
Grand Total			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	10,850
Change			-310	-600	-687	-736	-769	-624	-791	-737	-487	-357	-354	-265	-195	-98	134	212	240	282	350	211	109	170
% Change			-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%	1.6%

* 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
1975 to 2019

School Name		Peak Enroll	Peak Year	1975 to 2019																				Projected				
				1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019		
Angier	752	1953	423	433	412	418	412	396	371	363	370	379	401	392	389	375	395	408	417	402	412	416	430	437	440			
Bowen	502	2013	409	390	377	383	351	336	335	375	386	413	428	435	454	449	448	477	502	475	485	492	507	511	490			
Burr	496	1967	273	256	278	270	294	300	303	314	314	333	331	369	379	391	409	415	424	424	426	431	436	443	434			
Cabot	539	1967	412	393	385	362	360	352	353	357	391	420	424	425	449	452	440	420	419	418	413	405	401	386	393			
Carr	401	1963																										
Claffin	420	1960																										
Countryside	557	1959	469	493	499	482	453	455	446	448	463	437	447	479	472	499	490	479	457	466	447	432	429	434	441			
Davis	352	1961																										
Emerson	345	1955																										
Franklin	601	1961	379	407	389	390	398	384	397	386	385	414	401	396	402	397	401	396	389	413	416	438	441	451	447			
Hamilton	222	1960																										
Horace Mann	427	2013	273	297	301	303	313	330	333	337	344	350	348	370	371	373	386	394	427	434	443	446	434	428	428			
Hyde	669	1952																										
Lincoln-Eliot	435	1970	321	325	285	281	252	220	242	229	282	281	293	284	291	293	317	322	329	337	340	341	345	348	338			
Mason-Rice	620	1962	395	412	393	364	369	364	352	365	372	372	410	422	428	442	437	438	457	478	476	484	505	508	494			
Memorial	536	1953																										
Memorial-Spaulding	486	1992	452	448	462	452	417	440	447	427	419	443	449	442	438	459	458	464	429	434	447	451	463	467	478			
Oak Hill Elementary	450	1962																										
Peirce	429	1960	281	282	271	281	270	271	271	286	306	324	329	338	329	318	316	337	312	306	315	317	308	315	321			
Spaulding	587	1961																										
Underwood	582	1970	282	267	278	264	276	294	276	275	264	288	295	282	262	282	289	310	327	341	337	340	352	355	357			
Ward	506	1971	335	319	343	325	304	281	274	262	262	237	247	260	260	269	278	301	289	304	309	317	320	320	316			
Williams	375	1969	269	260	258	241	257	260	254	264	275	295	281	276	277	298	302	304	304	292	276	288	296	299	310			
Zervas (formerly Beethoven)	350	1964	287	311	281	281	276	287	284	287	300	332	324	328	326	349	321	325	317	309	317	307	320	317	314			
Peabody (SPED)																												
Total Elem			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	5,833	5,859	5,905	5,987	6,019	6,001			
Change			-58	33	-81	-115	-95	-32	-32	37	158	185	90	90	29	119	41	103	9	34	26	46	82	32	-18			
% Change			-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%	0.6%	0.4%	0.8%	1.4%	0.5%	-0.3%			
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	522	483	446	465	477	513	520	510	496	495	487	505	527	523	533	531	525	504	498	501	515	523	548			
Brown (formerly Meadowbrook)	1,024	1964	645	749	771	752	735	756	770	787	705	665	644	681	684	666	677	698	743	738	781	787	755	735	749			
Day	947	2013	823	804	804	835	855	822	785	758	768	747	764	747	773	758	845	874	947	932	976	961	1,022	1,035	1,051			
Oak Hill Middle	634	2013	572	578	619	620	621	597	598	565	565	567	558	547	572	603	612	616	634	632	597	598	566	593	610			
Warren	1,270	1969																										
Weeks	1,033	1960																										
Total Middle School			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	2,806	2,852	2,847	2,858	2,886	2,958			
Change			120	52	26	32	16	0	-15	-53	-86	-60	-21	27	76	-6	117	52	130	-43	46	-5	11	28	72			
% Change			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%	-1.5%	1.6%	-0.2%	0.4%	1.0%	2.5%			
Total # Middle Schools			4	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	1,911	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	2,060	2,132	2,189	2,208	2,224	2,260			
South	1,784	2007	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	1,804	1,840	1,853	1,891	1,933	1,943			
Total High School			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	3,864	3,972	4,042	4,099	4,157	4,203			
Change			32	137	137	81	83	58	38	17	75	-39	-14	-103	-68	55	-11	93	132	71	108	70	57	58	46			
% Change			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%	1.9%	2.8%	1.8%	1.4%	1.4%	1.1%			
Grand Total			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	12,503	12,683	12,794	12,944	13,062	13,162			
Change			94	222	82	-2	4	26	-9	1	147	86	55	14	37	168	147	248	271	62	180	111	150	118	100			
% Change			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%	0.5%	1.4%	0.9%	1.2%	0.9%	0.8%			

* 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
FY16-FY20

Grade	Actual FY15	Projections Using 5 Year Average Ratios**				
		FY16	FY17	FY18	FY19	FY20
K	938	922	929	937	941	935
1	999	979	968	974	977	978
2	979	1,020	1,001	992	998	1,000
3	946	997	1,039	1,022	1,014	1,019
4	980	955	1,009	1,049	1,033	1,027
5	991	986	959	1,013	1,056	1,042
TOTAL ELEMENTARY	5,833	5,859	5,905	5,987	6,019	6,001
Diff. from Previous Year		26	46	82	32	-18
% Change		0.4%	0.8%	1.4%	0.5%	-0.3%
6	922	959	953	933	984	1025
7	963	926	964	958	940	990
8	921	967	930	967	962	943
TOTAL MIDDLE	2,806	2,852	2,847	2,858	2,886	2,958
Diff. from Previous Year		46	-5	11	28	72
% Change		1.6%	-0.2%	0.4%	1.0%	2.5%
9	977	983	1028	991	1031	1028
10	941	982	987	1033	998	1037
11	964	945	985	991	1038	1002
12	888	968	948	990	996	1042
Spec. Ed. & Post-grads.*	94	94	94	94	94	94
TOTAL HIGH	3,864	3,972	4,042	4,099	4,157	4,203
Diff. from Previous Year		108	70	57	58	46
% change		2.8%	1.8%	1.4%	1.4%	1.1%
GRAND TOTAL	12,503	12,683	12,794	12,944	13,062	13,162
Diff. from Previous Year		180	111	150	118	100
% Change		1.4%	0.9%	1.2%	0.9%	0.8%

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

**Five-year averages of previous kindergarten enrollments are used to project kindergarten enrollment.

TABLE 4

Newton Public Schools
Enrollment History and Projections by Grade
1975 to 2019

Grade	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
K	946	843	750	681	635	612	628	584	647	673	687	726	730	744	827	809	827	874	906	874	837
1	1,088	1,009	873	804	723	702	652	650	617	688	712	734	749	753	773	851	845	865	921	946	904
2	1,078	1,069	1,010	892	812	755	678	649	648	610	692	692	725	738	755	776	851	879	918	845	920
3	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	1,116	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	1,191	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	76	56	54	54	56	40	36	44	45	44	47	60	59	65	70	69	64	60	42	36	29
Total K-5	6,609	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	-197	-348	-370	-364	-416	-306	-406	-283	-132	-11	51	97	104	192	206	170	104	138	181	147	-54
% Change	-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	1,289	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	1,254	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	1,215	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	19	19	13	12	10	5	11	14	21	29	32	28	30	32	25	26	31	35	62	38	35
Total 6-8	3,777	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	8	-28	-226	-235	-168	-137	-126	-193	-207	-214	-186	-164	-35	-31	105	83	135	79	49	23	42
% Change	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	1,239	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	1,366	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	1,418	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	1,384	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	49	45	46	39	39	57	57	57	73	73	75	61	67	62	64	68	69	74	61	112	110
Total 9-12	5,456	5,232	5,141	5,004	4,819	4,638	4,379	4,118	3,970	3,838	3,619	3,421	3,157	2,998	2,721	2,680	2,681	2,746	2,866	2,907	3,028
Change	-121	-224	-91	-137	-185	-181	-259	-261	-148	-132	-219	-198	-264	-259	-177	-41	1	65	120	41	121
% Change	-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	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	-310	-600	-687	-736	-769	-624	-791	-737	-487	-357	-354	-265	-195	-98	134	212	240	282	350	211	109
% Change	-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 2. 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
1975 to 2019

Grade	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
K	870	808	841	787	736	766	792	796	805	867	887	868	830	862	896	895	934	958	938	922	929	937	941	935
1	871	887	850	866	804	749	805	837	856	853	916	926	950	877	926	940	936	977	999	979	968	974	977	978
2	887	873	898	867	857	811	795	828	836	868	895	950	924	989	956	966	966	945	979	1,020	1,001	992	998	1,000
3	925	878	874	901	889	849	815	818	831	860	896	892	962	931	1,007	923	981	982	946	997	1,039	1,022	1,014	1,019
4	886	923	876	887	901	896	855	817	819	847	859	897	908	967	932	1,017	938	993	980	955	1,009	1,049	1,033	1,027
5	854	873	938	885	894	916	894	832	811	820	851	858	905	884	960	937	1,021	944	991	986	959	1,013	1,056	1,042
SPED	25	18	16	19	16	15	14	10	17	18	14	17	19	17	17	19	14	0	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	5,408	5,408	5,498	5,527	5,646	5,687	5,790	5,799	5,833	5,859	5,905	5,987	6,019	6,001
Change	9	-58	33	-81	-115	-95	-32	-32	37	158	165	90	90	29	119	41	103	9	34	26	46	82	32	-18
% 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%	0.6%	0.4%	0.8%	1.4%	0.5%	-0.3%
6	833	838	846	911	869	858	916	895	829	804	824	828	829	877	863	922	900	978	922	959	953	933	984	1,025
7	822	836	840	843	930	881	875	902	889	836	810	825	836	826	863	875	922	932	963	926	964	958	940	990
8	742	828	864	846	851	923	884	867	898	892	837	797	809	848	817	866	889	939	921	967	930	967	962	943
SPED	45	60	64	40	22	26	13	9	4	2	3	3	6	5	7	4	8	0	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	2,806	2,852	2,847	2,858	2,886	2,958
Change	99	120	52	26	32	16	0	-15	-53	-86	-60	-21	27	76	-6	117	52	130	-43	46	-5	11	28	72
% 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%	-1.5%	1.6%	-0.2%	0.4%	1.0%	2.5%
9	749	776	869	918	872	868	925	899	892	919	905	877	821	835	904	875	931	954	977	983	1,028	991	1,031	1,028
10	762	748	790	875	888	872	865	933	899	906	911	912	868	846	850	896	886	941	941	982	987	1,033	998	1,037
11	759	752	765	755	867	877	887	863	925	898	927	927	902	862	843	843	897	888	964	945	985	991	1,038	1,002
12	695	754	756	772	765	864	855	890	860	917	882	914	918	879	879	830	845	910	888	968	948	990	996	1,042
SPED	125	92	79	76	85	79	86	71	97	108	84	65	83	102	103	124	102	100	94	94	94	94	94	94
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	3,661	3,661	3,793	3,864	3,972	4,042	4,099	4,157	4,203
Change	62	32	137	137	81	83	58	38	17	75	-39	-14	-103	-68	55	-11	93	132	71	108	70	57	58	46
% 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%	1.9%	2.8%	1.8%	1.4%	1.4%	1.1%
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	12,503	12,683	12,794	12,944	13,062	13,162
Change	170	94	222	82	-2	4	26	-9	1	147	86	55	14	37	168	147	248	271	62	180	111	150	178	100
% 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%	0.5%	1.4%	0.9%	1.2%	0.9%	0.8%

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 2. 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
2009-10 TO 2014-15 AND 2014-15 TO 2019-20

School	2009-10 Enrollment	2014-15 Enrollment	Change	% Change	2014-15 Enrollment	2019-20 Enrollment	Change	% Change
Angier	389	402	13	3.3%	402	440	38	9.5%
Bowen	454	475	21	4.6%	475	490	15	3.2%
Burr	379	424	45	11.9%	424	434	10	2.4%
Cabot	449	418	-31	-6.9%	418	393	-25	-6.0%
Countryside	472	466	-6	-1.3%	466	441	-25	-5.4%
Franklin	402	413	11	2.7%	413	447	34	8.2%
Horace Mann	371	434	63	17.0%	434	428	-6	-1.4%
Lincoln-Eliot	291	337	46	15.8%	337	338	1	0.3%
Mason-Rice	428	478	50	11.7%	478	494	16	3.3%
Memorial-Spaulding	438	434	-4	-0.9%	434	478	44	10.1%
Peirce	329	306	-23	-7.0%	306	321	15	4.9%
Underwood	262	341	79	30.2%	341	357	16	4.7%
Ward	260	304	44	16.9%	304	316	12	3.9%
Williams	277	292	15	5.4%	292	310	18	6.2%
Zervas	326	309	-17	-5.2%	309	314	5	1.6%
TOTAL ELEMENTARY	5,527	5,833	306	5.5%	5,833	6,001	168	2.9%
Bigelow	527	504	-23	-4.4%	504	548	44	8.7%
Brown	684	738	54	7.9%	738	749	11	1.5%
Day	773	932	159	20.6%	932	1,051	119	12.8%
Oak Hill	572	632	60	10.5%	632	610	-22	-3.5%
TOTAL MIDDLE	2,556	2,806	250	9.8%	2,806	2,958	152	5.4%
Newton North	1,802	2,060	258	14.3%	2,060	2,260	200	9.7%
Newton South	1,722	1,804	82	4.8%	1,804	1,943	139	7.7%
TOTAL HIGH SCHOOL	3,524	3,864	340	9.6%	3,864	4,203	339	8.8%
TOTAL ENROLLMENT	11,607	12,503	896	7.7%	12,503	13,162	659	5.3%

TABLE 6
PERCENT OF CHANGE BY GRADE SPAN
2008-2009 TO 2019-2020

Year	Grades K-5			Grades 6-8			Grades 9-12			System-Wide		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2008-2009	5,498	1.7%	90	2,480	1.5%	36	3,592	-2.8%	-103	11,570	0.2%	23
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	5,833	0.6%	34	2,806	-1.5%	-43	3,864	1.9%	71	12,503	0.5%	62
2015-2016	5,859	0.4%	26	2,852	1.6%	46	3,972	2.8%	108	12,683	1.4%	180
2016-2017	5,905	0.8%	46	2,847	-0.2%	-5	4,042	1.8%	70	12,794	0.9%	111
2017-2018	5,987	1.4%	82	2,858	0.4%	11	4,099	1.4%	57	12,944	1.2%	150
2018-2019	6,019	0.5%	32	2,886	1.0%	28	4,157	1.4%	58	13,062	0.9%	118
2019-2020	6,001	-0.3%	-18	2,958	2.5%	72	4,203	1.1%	46	13,162	0.8%	100
% Change 2008-2009 to 2019-2020		9.1%			19.3%			17.0%			13.8%	
% Change 2008-2009 to 2014-2015		6.1%			13.1%			7.6%			8.1%	
% Change 2014-2015 to 2019-2020		2.9%			5.4%			8.8%			5.3%	

TABLE 7 ACTUAL SYSTEM ENROLLMENT CHANGE 1976-2014			
Year	Enrollment	Difference from Previous Year	% Change
1967	18,424		
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%
2014	12,503	+62	0.5%
PROJECTED			
2015	12,683	+180	+1.4%
2016	12,794	+111	+0.9%
2017	12,944	+150	+1.2%
2018	13,062	+118	+0.9%
2019	13,162	+100	+0.8%

Note: Peak enrollment year is in bold

TABLE 8
ACTUAL ELEMENTARY SCHOOL ENROLLMENT CHANGE 1981-2014

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%
2014	5,833	+34	+0.6%
PROJECTED			
2015	5,859	+26	+0.4%
2016	5,905	+46	+0.8%
2017	5,987	+82	+1.4%
2018	6,019	+32	+0.5%
2019	6,001	-18	-0.3%

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 2019-20
ACTUAL 1984-2014

Year	Enrollment	Difference from Previous Year	% Change		
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%		
2014	6,670	+28	+0.4%		
Projections					
Year	Grades 6-8	Grades 9-12	Total Enrollment	Difference from Previous Year	% Change
2015	2,852	3,972	6,824	+154	+2.3%
2016	2,847	4,042	6,889	+65	+1.0%
2017	2,858	4,099	6,957	+68	+1.0%
2018	2,886	4,157	7,043	+86	+1.2%
2019	2,958	4,203	7,161	+118	+1.7%

*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, 2014 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. Straight five-year averages 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 0.94. There are 182 resident students in the group described above. The cohort calculation therefore yields 171 (182×0.94) students. Eight current non-resident students are added to this total, resulting in the final projection of 179 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 two charts provide data on kindergarten enrollment. The first chart shows the highest kindergarten populations of the past forty years. The 2014-15 school year has the *seventh* largest kindergarten class of the past forty years with 938 students, only 125 students fewer than the peak year of 1971-72 when the kindergarten class had 1,063 students. The current kindergarten population exceeds the average size of past kindergarten classes using forty, twenty, and ten year averages. The second chart illustrates the rising trend over time of how Newton's four-year old population (as per City census data) relates to the kindergarten population. The current ratio of 1.69 is the highest of the past decade or more and is a result of the particularly low city census data of children age 4, at 554 children, resulting in the relatively high number of 938 kindergarten students. Note the ratio of children age 4 to the following year's kindergarten has been steadily rising since 2003.

Highest Kindergarten Populations of Past 40 Years

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
2014-15	938
40 year average	799
20 year average	849
10 year average	894

Age Four to Kindergarten Ratio

Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
4-year olds	828	796	767	770	723	744	683	686	705	708	682	615	554
K population	792	796	805	867	887	868	830	862	896	895	934	958	938
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	1.69

Next year's kindergarten projection of 938 students is calculated using a straight five-year average of the previous kindergarten enrollments. To project kindergarten enrollment in future years, a five-year average of previous kindergarten populations is used as well. The straight average method is used this year because city census data of children age 4 and age 3 are particularly low and are therefore not a good predictor of the number of kindergarten students one or two years hence. For example, using city census data of the number of children age 4 to project next year's kindergarten yields 826 students, including an adjustment factor of +2 students to each of the fifteen schools. Similarly, using city census data of the number of children age 3 to project kindergarten with the same adjustment factor yields 796 students.

Resident births to kindergarten ratios displayed in Table 10 are of interest this year. Comparing each year's kindergarten population to the number of state recorded Newton births five years prior yields a birth to kindergarten ratio. This year's ratio of 1.16 is typical of three of the past four years due to the lower number of births in 2009 in conjunction with the resulting higher kindergarten class five years hence. If the number of births in 2009 had been higher, the resulting ratio would have been lower, as was the case last year.

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	2009
Birth	874	886	834	822	759	844	788	812	815	907	806
Kindergarten Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Kindergarten	805	867	887	868	830	862	896	895	934	958	938
Ratio	0.92	0.98	1.06	1.06	1.09	1.02	1.14	1.10	1.15	1.06	1.16

*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 2015-16 and 2016-17 are very close to Newton's projections, as shown in Table 11 of Appendix E. The total variances by year between this report and NESDEC's projections are +23 and +37, respectively, for 2015-16 and 2016-17. The kindergarten variances by year between this report and NESDEC's projections for the next five years are +10, +15, -2, +1 and +6.

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 (2018-19 and 2019-20) NESDEC uses estimated numbers of births for calendar year 2013 and 2014. NESDEC's kindergarten projection next year is 912 students, close to Newton's projection of 922 students.

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 K through 12. In terms of accuracy of projections, in two 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 three 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 (2014-15), 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 2014-15 enrollment to the projections made last year.

TABLE 11
Projection History for 2014-15 (FY15)

Date Projected	Elementary	Middle	High School	Total
Fall, 2011	5,840	2,802	3,806	12,448
Fall, 2012	5,918	2,819	3,840	12,577
Fall, 2013	5,860	2,838	3,891	12,589
Actual, October 2014	5,833	2,806	3,864	12,503

Overall, the October 1, 2014 actual enrollment of 12,503 students is 86 students less than projected in the November 2013 Enrollment Analysis Report, a 0.7% variance from projection. All three grade levels, each to a similar degree, are enrolled at lower than anticipated levels with 27, 32 and 27 fewer students at the elementary, middle and high school grade levels respectively. *This is the second year when elementary grades, which have typically seen positive cohort growth due to students moving into Newton, are instead remaining steady.* Kindergarten, however, exceeded growth projections by more than 5% and will be a strong component of ongoing enrollment growth in the district.

TABLE 12
COMPARISON OF OCTOBER, 2013 AND OCTOBER, 2014 ENROLLMENTS AND
COMPARISON OF PROJECTED WITH ACTUAL OCTOBER, 2014 ENROLLMENT

October 2014 Actual By Grade														
		K	1	2	3	4	5	Special Education **	OCTOBER 2014 ACTUAL	DIFF. 2014-2013	% DIFF.	2014 Projected*	DIFF. ACTUAL/ PROJ.	% DIFF.
SCHOOLS	Angier	65	67	65	65	75	65		402	-15	-3.6%	422	-20	-4.7%
	Bowen	65	100	83	73	80	74		475	-27	-5.4%	462	13	2.8%
	Burr	70	82	65	68	68	71		424	0	0.0%	423	1	0.2%
	Cabot	61	57	79	70	76	75		418	-1	-0.2%	422	-4	-0.9%
	Countryside	72	67	67	76	88	96		466	9	2.0%	455	11	2.4%
	Franklin	76	79	66	71	53	68		413	24	6.2%	397	16	4.0%
	Horace Mann	65	69	75	83	73	69		434	7	1.6%	436	-2	-0.5%
	Lincoln-Eliot	57	64	53	53	57	53		337	8	2.4%	330	7	2.1%
	Mason-Rice	82	95	85	63	72	81		478	21	4.6%	476	2	0.4%
	Memorial-Spaulding	429	79	72	66	77	71		434	5	1.2%	450	-16	-3.6%
Peirce	312	48	47	46	66	56	43		306	-6	-1.9%	317	-11	-3.5%
Underwood	327	62	51	55	51	58	64		341	14	4.3%	339	2	0.6%
Ward	289	46	54	53	55	47	49		304	15	5.2%	300	4	1.3%
Williams	304	37	44	60	43	41	67		292	-12	-3.9%	303	-11	-3.6%
Zervas	317	53	54	55	43	59	45		309	-8	-2.5%	328	-19	-5.8%
SUB-TOTAL		938	999	979	946	980	991	0	5,833	34	0.6%	5,860	-27	-0.5%
SCHOOLS					6	7	8							
Bigelow	525				157	168	179		504	-21	-4.0%	489	15	3.1%
Brown	743				257	242	239		738	-5	-0.7%	742	-4	-0.5%
Day	947				299	345	288		932	-15	-1.6%	955	-23	-2.4%
Oak Hill	634				209	208	215		632	-2	-0.3%	652	-20	-3.1%
SUB-TOTAL					922	963	921	0	2,806	-43	-1.5%	2,838	-32	-1.1%
SCHOOLS				9	10	11	12	SP**						
Newton North	2,015			535	489	508	450	78	2,060	45	2.2%	2,062	-2	-0.1%
Newton South	1,778			442	452	456	438	16	1,804	26	1.5%	1,829	-25	-1.4%
SUB-TOTAL				977	941	964	888	94	3,864	71	1.9%	3,891	-27	-0.7%
GRAND TOTAL								94	12,503	62	0.5%	12,589	-86	-0.7%

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

**North includes 78 students receiving special education services outside of the classroom for a significant amount of time.

South includes 16 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 2014-15

Grade	Angier		Bowen		Burr		Cabot		Countryside	
	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15
K	65	57	65	45	70	65	61	66	72	74
1	67	70	100	96	82	81	57	57	67	68
2	65	76	83	84	65	66	79	81	67	67
3	65	72	73	76	68	74	70	64	76	72
4	75	76	80	85	68	68	76	78	88	82
5	65	71	74	76	71	69	75	76	96	92
Total	402	422	475	462	424	423	418	422	466	455

Grade	Franklin		Horace Mann		Lincoln-Eliot		Mason-Rice		M-Spaulding	
	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15
K	76	61	65	67	57	47	82	83	79	78
1	79	81	69	71	64	63	95	91	69	77
2	66	63	75	74	53	48	85	86	72	79
3	71	74	83	81	53	58	63	68	66	69
4	53	50	73	74	57	61	72	72	77	77
5	68	68	69	69	53	53	81	76	71	70
Total	413	397	434	436	337	330	478	476	434	450

Grade	Peirce		Underwood		Ward		Williams		Zervas	
	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15
K	48	45	62	53	46	49	37	40	53	65
1	47	53	51	49	54	48	44	47	54	54
2	46	54	55	56	53	54	60	59	55	60
3	66	65	51	53	55	53	43	44	43	42
4	56	56	58	63	47	45	41	43	59	64
5	43	44	64	65	49	51	67	70	45	43
Total	306	317	341	339	304	300	292	303	309	328

Grade	TOTAL ELEM.		N Diff	% Diff.
	Actual 14/15	Proj. 14/15		
K	938	895	43	4.8%
1	999	1006	-7	-0.7%
2	979	1007	-28	-2.8%
3	946	965	-19	-2.0%
4	980	994	-14	-1.4%
5	991	993	-2	-0.2%
Total	5,833	5,860	-27	-0.5%

TABLE 13 (CONT.)
ACTUAL AND PROJECTED SECONDARY ENROLLMENTS BY SCHOOL 2014-15

Grade	Bigelow		Brown		Day		Oak Hill	
	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15
6	157	151	257	230	299	315	209	215
7	168	161	242	261	345	349	208	215
8	179	177	239	251	288	291	215	222
Total	504	489	738	742	932	955	632	652

Grade	TOTAL MIDDLE		N Diff.	% Diff.
	Actual 14/15	Proj. 14/15		
6	922	911	11	1.2%
7	963	986	-23	-2.3%
8	921	941	-20	-2.1%
Total	2,806	2,838	-32	-1.1%

Grade	North		South		TOTAL HIGH		N Diff.	% Diff.
	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15	Actual 14/15	Proj. 14/15		
9	535	535	442	464	977	999	-22	-2.2%
10	489	505	452	462	941	967	-26	-2.7%
11	508	493	456	446	964	939	25	2.7%
12	450	446	438	440	888	886	2	0.2%
Sp. Ed.	78	83	16	17	94	100	-6	-6.0%
Total	2,060	2,062	1,804	1,829	3,864	3,891	-27	-0.7%

Division	Actual 14/15	Proj. 14/15	N Diff.	% Diff.
Elementary	5,833	5,860	-27	-0.5%
Middle	2,806	2,838	-32	-1.1%
High	3,864	3,891	-27	-0.7%
Total	12,503	12,589	-86	-0.7%

**TABLE 14
ACTUAL AND PROJECTED K-12 ENROLLMENTS 2008-09 TO 2019-20**

Grade	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	Actual 14/15	Proj. 14/15	Proj. 15/16	Proj. 16/17	Proj. 17/18	Proj. 18/19	Proj. 19/20
K	830	844	862	802	896	848	895	900	934	903	958	962	938	892	922	929	937	941	935
1	950	919	877	876	926	902	940	941	936	945	977	984	999	1007	979	968	974	977	978
2	924	963	989	967	908	904	956	949	966	974	945	965	979	1008	1020	1001	992	998	1000
3	962	971	931	940	1007	1007	923	920	981	970	982	994	946	966	997	1039	1022	1014	1019
4	908	901	967	972	932	941	1017	1012	938	930	993	1000	980	994	955	1009	1049	1033	1027
5	905	892	884	912	960	972	937	931	1021	1016	944	946	991	993	986	959	1013	1056	1042
Sp.Ed.	19	17	17	19	17	17	19	17	14	19	0	0	0	0	0	0	0	0	0
Total	5,498	5,507	5,527	5,488	5,646	5,591	5,687	5,670	5,790	5,757	5,799	5,851	5,833	5,860	5,859	5,905	5,987	6,019	6,001
6	829	854	877	895	863	870	922	940	900	909	978	997	922	911	959	953	933	984	1025
7	836	830	826	834	863	884	875	865	922	925	932	907	963	986	926	964	958	940	990
8	809	823	848	833	817	826	866	859	889	872	939	928	921	941	967	930	967	962	943
Sp.Ed.	6	3	5	6	7	5	4	7	8	4	0	0	0	0	0	0	0	0	0
Total	2,480	2,510	2,556	2,568	2,550	2,585	2,667	2,671	2,719	2,710	2,849	2,832	2,806	2,838	2,852	2,847	2,858	2,886	2,958
9	821	819	835	834	904	874	875	851	931	910	954	938	977	999	983	1028	991	1031	1028
10	868	883	846	823	850	842	896	912	886	883	941	940	941	967	982	987	1033	998	1037
11	902	918	862	873	843	851	843	855	897	895	888	884	964	939	945	985	991	1038	1002
12	918	922	879	894	879	851	830	836	845	835	910	893	888	886	968	948	990	996	1042
Sp.Ed.	83	65	102	83	103	102	124	103	102	124	100	102	94	100	94	94	94	94	94
Total	3,592	3,607	3,524	3,507	3,579	3,520	3,568	3,557	3,661	3,647	3,793	3,757	3,864	3,891	3,972	4,042	4,099	4,157	4,203
K-12																			
TOTAL	11,570	11,624	11,607	11,563	11,775	11,696	11,922	11,898	12,170	12,114	12,441	12,440	12,503	12,589	12,683	12,794	12,944	13,062	13,162
% Change	-0.5%		0.4%		0.7%		0.2%		0.5%		0.0%		-0.7%		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 (2013-14) in the Ward district there were 43 kindergarten students. This year (2014-15), in the same district, there are 54 first grade students. Not including the two non-resident students in each grade, this movement yields a ratio of 1.27 (52 divided by 41). This ratio is averaged with the ratios of the previous four years. The resulting ratio of 1.12 is multiplied by the current number of kindergarten students (45), to calculate the projected number of first graders for the next year (50), plus two non-resident students, for a total of 52 students. 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 five-year average of previous kindergarten classroom populations is used for the 2015-16 kindergarten projection. For the past few years' kindergarten projections, Newton has used city census data for the number of children aged 3 years as compared to the kindergarten population two years hence. This year's city census data was too low to formulate a reasonable kindergarten projection.

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 $\pm 1\%$, 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 2019-20. These projections, *at best*, provide only the direction or trend enrollments will take into the 2020's. This is because beyond 2019-20, elementary enrollments must be based on predicted births in calendar year 2014 – 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-four years from 1991-92 through 2014-15. 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.* Over the years, each cohort moving from K-1 has a survival ratio greater than one, indicating net in-migration. This year, the ratio from grade K-1 is typical of the last few decades, at 1.04. The four other elementary school ratios (grades 1-2, 2-3, 3-4, and 4-5) are 1.0, indicating net enrollment stability, a departure from recent years where there has been net in-migration, underscoring the recent trend of families to move into Newton earlier on in elementary school.

This year's ratio of 0.98 from grade 5-6 is considered typical; 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. This year's ratio from grade 8 to grade 9 is 1.04, well above 1.0 as expected.

Table 15 shows the changes in size of each grade from 2013-14 to 2014-15. Five of the twelve migrations were positive, the largest of which was +41 students from kindergarten to grade 1, followed by +38 students from grade 8 to grade 9. There were negative migrations in middle school, including grade 6 to grade 7 (-15 students) and grade 7 to grade 8 (-11 students), and in high school, from grade 9 to grade 10 (-13 students). Please refer to Section V – Student Exits, Entrances and Transfers Report, for comprehensive information on recent student mobility.

A Comparison to Peak Enrollment Years

Current South High School enrollment of 1,804 students is the highest in the history of the school, representing the historic peak enrollment. North High School enrollment of 2,060 students is the highest since 2004-05, although it has declined by 916 students, or 31%, since the 1972 peak enrollment year. Total 2014-15 enrollment of 12,503 is 68% of the 1967 peak enrollment of 18,424. Ten years ago, the district's enrollment of 11,268 students was 61% of the 1967 peak year.

<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	1,804	2014	15 Elementary, 4 Middle Schools, 2 Sr. Highs

TABLE 15
ENROLLMENTS BY GRADE
2013 and 2014

Grade	October 1 Enrollment			Changes in Enrollment 2013-2014 to 2014-2015	
	2013	Net Migration	2014	N	%
K	958		938	-20	-2.1%
1	977	+41	999	+22	+2.3%
2	945	+2	979	+34	+3.6%
3	982	+1	946	-36	-3.7%
4	993	-2	980	-13	-1.3%
5	944	-2	991	+47	+5.0%
		-22			
TOTAL ELEMENTARY SCHOOLS	5,799		5,833	+34	+0.6%
6	978		922	-56	-5.7%
		-15			
7	932		963	+31	+3.3%
		-11			
8	939		921	-18	-1.9%
		+38			
9	954		977	+23	+2.4%
		-13			
10	941		941	+0	+0.0%
		+23			
11	888		964	+76	+8.6%
		+0			
12	910		888	-22	-2.4%
Special Education/Ungraded*	100		94	-6	-6.0%
TOTAL SECONDARY SCHOOLS	6,642		6,670	+28	+0.4%
GRAND TOTAL	12,441		12,503	+62	+0.5%

* 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).

* 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
14-15	1.04	1.00	1.00	1.00	1.00	0.98	0.98	0.99	1.04	0.99	1.02	1.00

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2008-2009 TO 2019-2020

Year	ANGIER SCHOOL			BOWEN SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
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	402	-3.6%	-15	475	-5.4%	-27
2015-2016	412	2.5%	10	485	2.1%	10
2016-2017	416	1.0%	4	492	1.4%	7
2017-2018	430	3.4%	14	507	3.0%	15
2018-2019	437	1.6%	7	511	0.8%	4
2019-2020	440	0.7%	3	490	-4.1%	-21
% Change 2008-2009 to 2019-2020		12.2%			12.6%	
% Change 2008-2009 to 2014-2015		2.6%			9.2%	

Year	BURR SCHOOL			CABOT SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
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	424	0.0%	0	418	-0.2%	-1
2015-2016	426	0.5%	2	413	-1.2%	-5
2016-2017	431	1.2%	5	405	-1.9%	-8
2017-2018	436	1.2%	5	401	-1.0%	-4
2018-2019	443	1.6%	7	386	-3.7%	-15
2019-2020	434	-2.0%	-9	393	1.8%	7
% Change 2008-2009 to 2019-2020		17.6%			-7.5%	
% Change 2008-2009 to 2014-2015		14.9%			-1.6%	

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2008-2009 TO 2019-2020

Year	COUNTRYSIDE SCHOOL			FRANKLIN SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
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	466	2.0%	9	413	6.2%	24
2015-2016	447	-4.1%	-19	416	0.7%	3
2016-2017	432	-3.4%	-15	438	5.3%	22
2017-2018	429	-0.7%	-3	441	0.7%	3
2018-2019	434	1.2%	5	451	2.3%	10
2019-2020	441	1.6%	7	447	-0.9%	-4
% Change 2008-2009 to 2019-2020		-7.9%			12.9%	
% Change 2008-2009 to 2014-2015		-2.7%			4.3%	

Year	HORACE MANN SCHOOL			LINCOLN-ELIOT SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
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	434	1.6%	7	337	2.4%	8
2015-2016	443	2.1%	9	340	0.9%	3
2016-2017	446	0.7%	3	341	0.3%	1
2017-2018	434	-2.7%	-12	345	1.2%	4
2018-2019	428	-1.4%	-6	348	0.9%	3
2019-2020	428	0.0%	0	338	-2.9%	-10
% Change 2008-2009 to 2019-2020		15.7%			19.0%	
% Change 2008-2009 to 2014-2015		17.3%			18.7%	

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2008-2009 TO 2019-2020

Year	MASON-RICE SCHOOL			MEMORIAL-SPAULDING SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
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	478	4.6%	21	434	1.2%	5
2015-2016	476	-0.4%	-2	447	3.0%	13
2016-2017	484	1.7%	8	451	0.9%	4
2017-2018	505	4.3%	21	463	2.7%	12
2018-2019	508	0.6%	3	467	0.9%	4
2019-2020	494	-2.8%	-14	478	2.4%	11
% Change 2008-2009 to 2019-2020		17.1%			8.1%	
% Change 2008-2009 to 2014-2015		13.3%			-1.8%	

Year	PEIRCE SCHOOL			UNDERWOOD SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
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	306	-1.9%	-6	341	4.3%	14
2015-2016	315	2.9%	9	337	-1.2%	-4
2016-2017	317	0.6%	2	340	0.9%	3
2017-2018	308	-2.8%	-9	352	3.5%	12
2018-2019	315	2.3%	7	355	0.9%	3
2019-2020	321	1.9%	6	357	0.6%	2
% Change 2008-2009 to 2019-2020		-5.0%			26.6%	
% Change 2008-2009 to 2014-2015		-9.5%			20.9%	

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2008-2009 TO 2019-2020

Year	WARD SCHOOL			WILLIAMS SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
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	304	5.2%	15	292	-3.9%	-12
2015-2016	309	1.6%	5	276	-5.5%	-16
2016-2017	317	2.6%	8	288	4.3%	12
2017-2018	320	0.9%	3	296	2.8%	8
2018-2019	320	0.0%	0	299	1.0%	3
2019-2020	316	-1.3%	-4	310	3.7%	11
% Change 2008-2009 to 2019-2020		21.5%			12.3%	
% Change 2008-2009 to 2014-2015		16.9%			5.8%	

Year	ZERVAS SCHOOL			TOTAL ELEMENTARY K-5		
	Total	% Change	# Change	Total	% Change	# Change
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	309	-2.5%	-8	5,833	0.6%	34
2015-2016	317	2.6%	8	5,859	0.4%	26
2016-2017	307	-3.2%	-10	5,905	0.8%	46
2017-2018	320	4.2%	13	5,987	1.4%	82
2018-2019	317	-0.9%	-3	6,019	0.5%	32
2019-2020	314	-0.9%	-3	6,001	-0.3%	-18
% Change 2008-2009 to 2019-2020		-4.3%			9.1%	
% Change 2008-2009 to 2014-2015		-5.8%			6.1%	

TABLE 18
PERCENT OF CHANGE BY MIDDLE SCHOOL
2008-2009 TO 2019-2020

Year	BIGELOW MIDDLE SCHOOL			BROWN MIDDLE SCHOOL			DAY MIDDLE SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2008-2009	505	3.7%	18	681	5.7%	3	747	-2.2%	26
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	504	-4.0%	-21	738	-0.7%	-5	932	-1.6%	-15
2015-2016	498	-1.2%	-6	781	5.8%	43	976	4.7%	44
2016-2017	501	0.6%	3	787	0.8%	6	961	-1.5%	-15
2017-2018	515	2.8%	14	755	-4.1%	-32	1022	6.3%	61
2018-2019	523	1.6%	8	735	-2.6%	-20	1035	1.3%	13
2019-2020	548	4.8%	25	749	1.9%	14	1051	1.5%	16
% Change 2008-2009 to 2019-2020		8.5%			10.0%			40.7%	
% Change 2008-2009 to 2014-2015		-0.2%			8.4%			24.8%	

Year	OAK HILL MIDDLE SCHOOL			TOTAL MIDDLE SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2008-2009	547	-2.0%	-11	2480	1.5%	36
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	632	-0.3%	-2	2806	-1.5%	-43
2015-2016	597	-5.5%	-35	2852	1.6%	46
2016-2017	598	0.2%	1	2847	-0.2%	-5
2017-2018	566	-5.4%	-32	2858	0.4%	11
2018-2019	593	4.8%	27	2886	1.0%	28
2019-2020	610	2.9%	17	2958	2.5%	72
% Change 2008-2009 to 2019- 2020		11.5%			19.3%	
% Change 2008-2009 to 2014- 2015		15.5%			13.1%	

TABLE 19
PERCENT OF CHANGE BY HIGH SCHOOL
2008-2009 TO 2019-2020

Year	NORTH HIGH SCHOOL			SOUTH HIGH SCHOOL			TOTAL HIGH SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
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	2,060	2.2%	45	1,804	1.5%	26	3,864	1.9%	71
2015-2016	2,132	3.5%	72	1,840	2.0%	36	3,972	2.8%	108
2016-2017	2,189	2.7%	57	1,853	0.7%	13	4,042	1.8%	70
2017-2018	2,208	0.9%	19	1,891	2.1%	38	4,099	1.4%	57
2018-2019	2,224	0.7%	16	1,933	2.2%	42	4,157	1.4%	58
2019-2020	2,260	1.6%	36	1,943	0.5%	10	4,203	1.1%	46
% Change 2008-2009 to 2019-2020		23.6%			10.2%			17.0%	
% Change 2008-2009 to 2014-2015		12.6%			2.3%			7.6%	

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 (2013-14) and this year (2014-15) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2015-16 to 2019-20) are also reported based on a 5-year cohort survival ratio average for grades 1 through 5 and a straight 5-year average for kindergarten.
2. Ten years of kindergarten and total school enrollments.
3. Distribution of the ages of incoming kindergarten students since 2007.
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 (2013-14) and this year (2014-15) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2015-16 to 2019-20) 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 (2015-16).
4. A line graph depicting enrollment history over time (45 years) and projections (5 years).

High Schools

1. Enrollments by grade for last year (2013-14) and this year (2014-15) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2015-16 to 2019-20) 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 (2015-16).
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***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	67	65	-2	-3.0%	65	65	67	66	65
1	69	67	-2	-2.9%	69	69	69	69	69
2	69	65	-4	-5.8%	72	76	75	74	74
3	75	65	-10	-13.3%	67	73	78	76	76
4	71	75	4	5.6%	66	68	75	79	78
5	66	65	-1	-1.5%	73	65	66	73	78
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	417	402*	-15	-3.6%	412	416	430	437	440

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	58	370		
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%
2014	65	402	-15	-3.6%

Peak enrollment year: 2013, 417 students

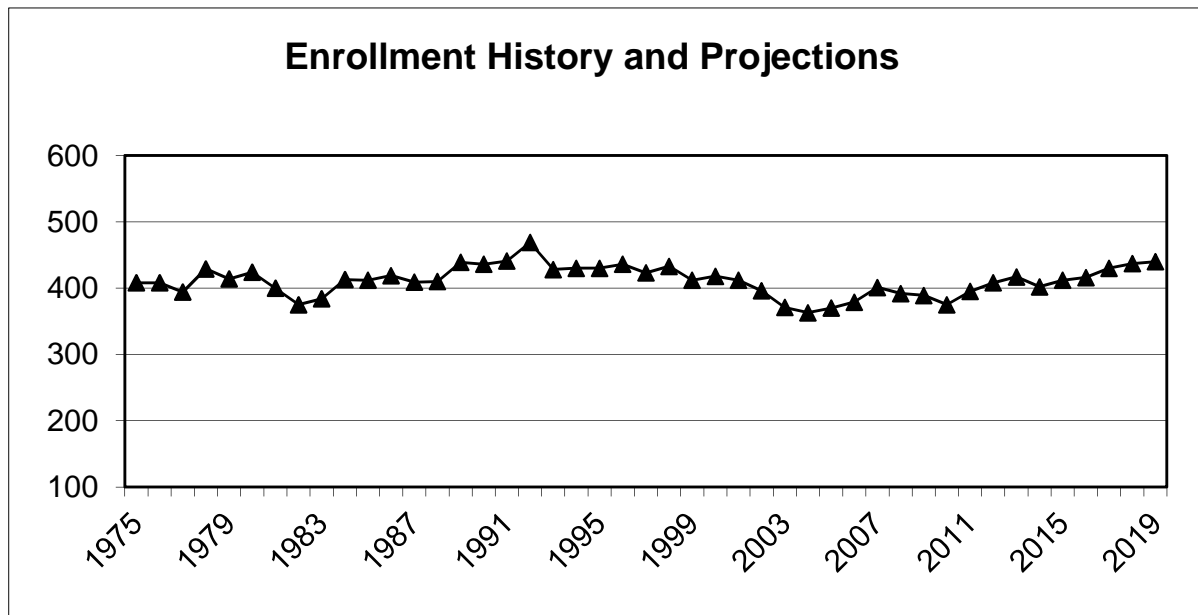
Angier

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	61	93.8%	4	6.2%	65

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	22	2018-2019
2	25	2017-2018
3	46	2016-2017
4	40	2015-2016



Bowen

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	95	65	-30	-31.6%	74	77	78	79	75
1	84	100	16	19.0%	68	79	81	82	84
2	76	83	7	9.2%	103	70	82	85	85
3	84	73	-11	-13.1%	86	107	73	85	88
4	74	80	6	8.1%	72	85	106	72	84
5	89	74	-15	-16.9%	82	74	87	108	74
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	502	475*	-27	-5.4%	485	492	507	511	490

*Includes 21 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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	77	386		
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%
2014	65	475	-27	-5.4%

Peak enrollment year: 2013, 502 students

Bowen

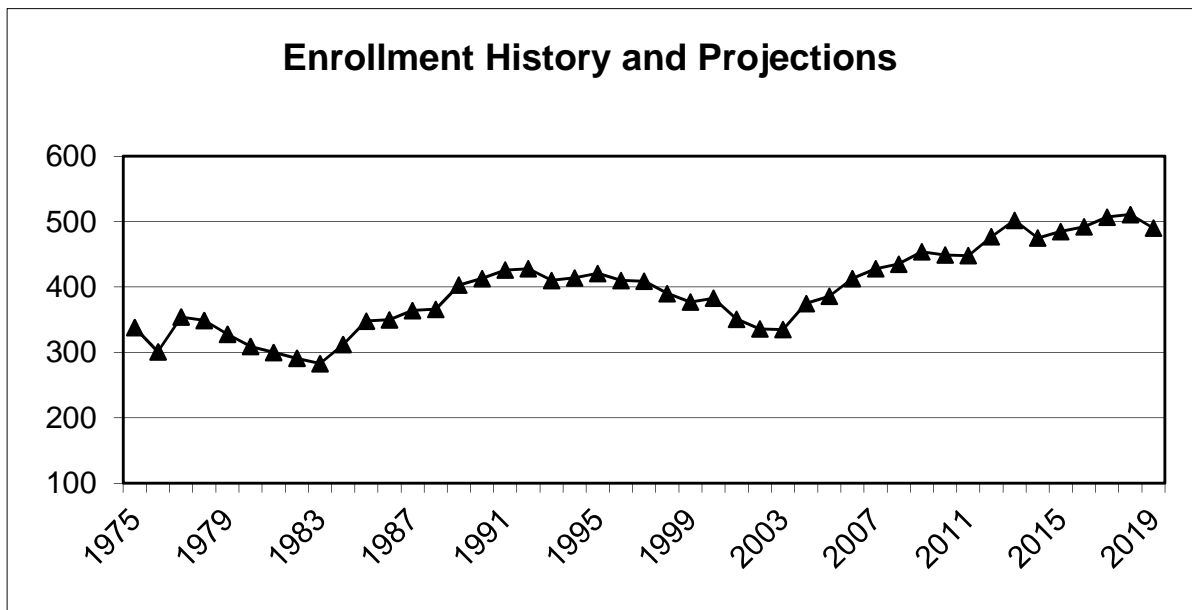
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	61	93.8%	4	6.2%	65

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	27	2018-2019
2	31	2017-2018
3	32	2016-2017
4	42	2015-2016



Burr

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	80	70	-10	-12.5%	70	70	70	71	72
1	66	82	16	24.2%	71	71	71	71	72
2	70	65	-5	-7.1%	82	71	71	71	71
3	68	68	0	0.0%	67	84	73	73	73
4	71	68	-3	-4.2%	68	67	84	73	73
5	69	71	2	2.9%	68	68	67	84	73
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	424	424*	0	0.0%	426	431	436	443	434

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	45	314		
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%
2014	70	424	0	0.0%

Peak enrollment year: 2013, 424 students

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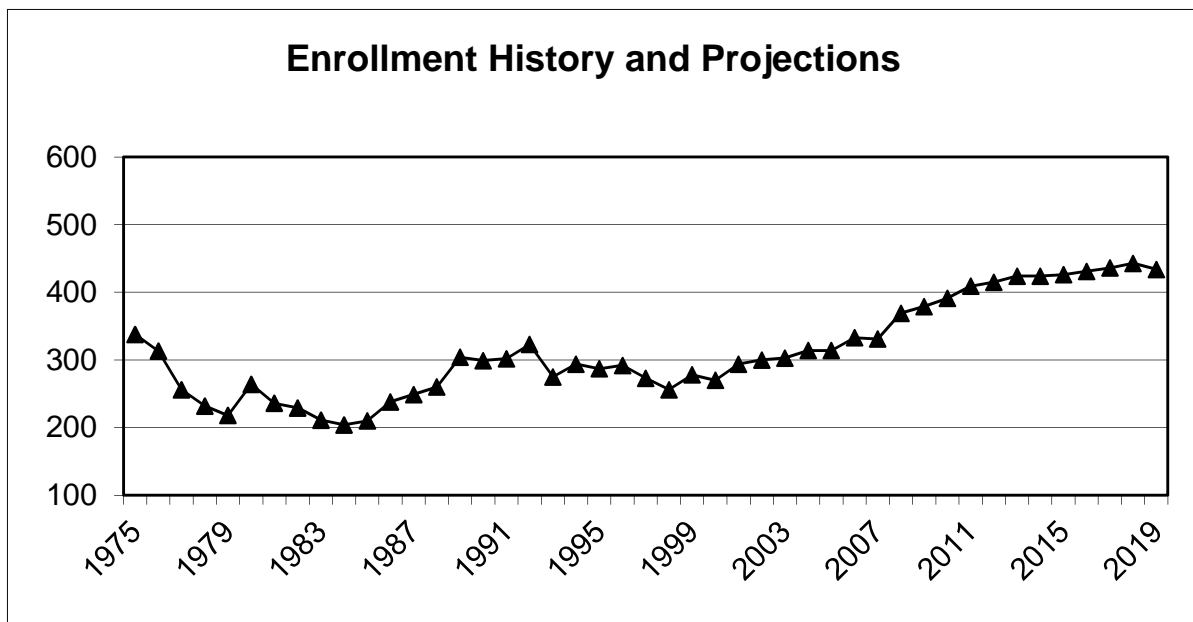
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	67	95.7%	3	4.3%	70

*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, 2014 City Census)

Age	Number	Year Entering K
1	23	2018-2019
2	29	2017-2018
3	31	2016-2017
4	34	2015-2016



Cabot

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	54	61	7	13.0%	66	63	62	61	62
1	80	57	-23	-28.8%	65	69	68	65	63
2	64	79	15	23.4%	57	65	68	68	64
3	77	70	-7	-9.1%	80	58	66	69	69
4	77	76	-1	-1.3%	70	81	58	66	70
5	67	75	8	11.9%	75	69	79	57	65
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	419	418*	-1	-0.2%	413	405	401	386	393

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	74	391		
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%
2014	61	418	-1	-0.2%

Peak enrollment year: 2010, 452 students

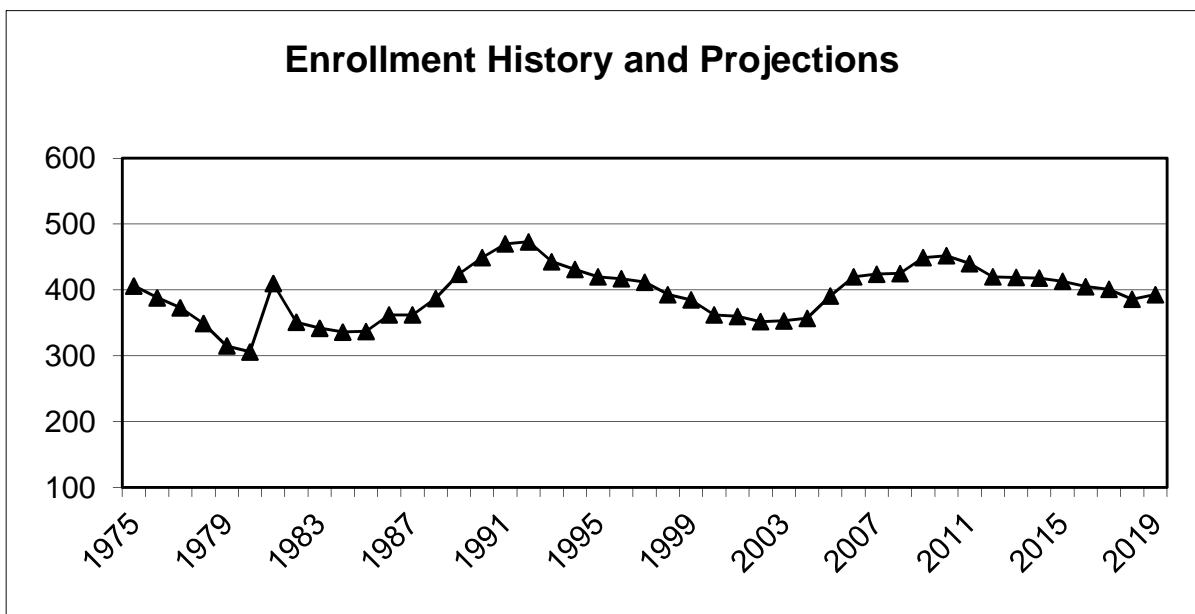
Cabot

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	58	95.1%	3	4.9%	61

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	37	2018-2019
2	48	2017-2018
3	46	2016-2017
4	48	2015-2016



Countryside

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	64	72	8	12.5%	71	68	69	69	71
1	67	67	0	0.0%	75	74	71	72	72
2	72	67	-5	-6.9%	67	75	74	71	72
3	81	76	-5	-6.2%	67	67	76	74	71
4	92	88	-4	-4.3%	78	69	69	78	76
5	81	96	15	18.5%	89	79	70	70	79
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	457	466*	9	2.0%	447	432	429	434	441

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	71	463		
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%
2014	72	466	9	2.0%

Peak enrollment year: 2010, 499 students

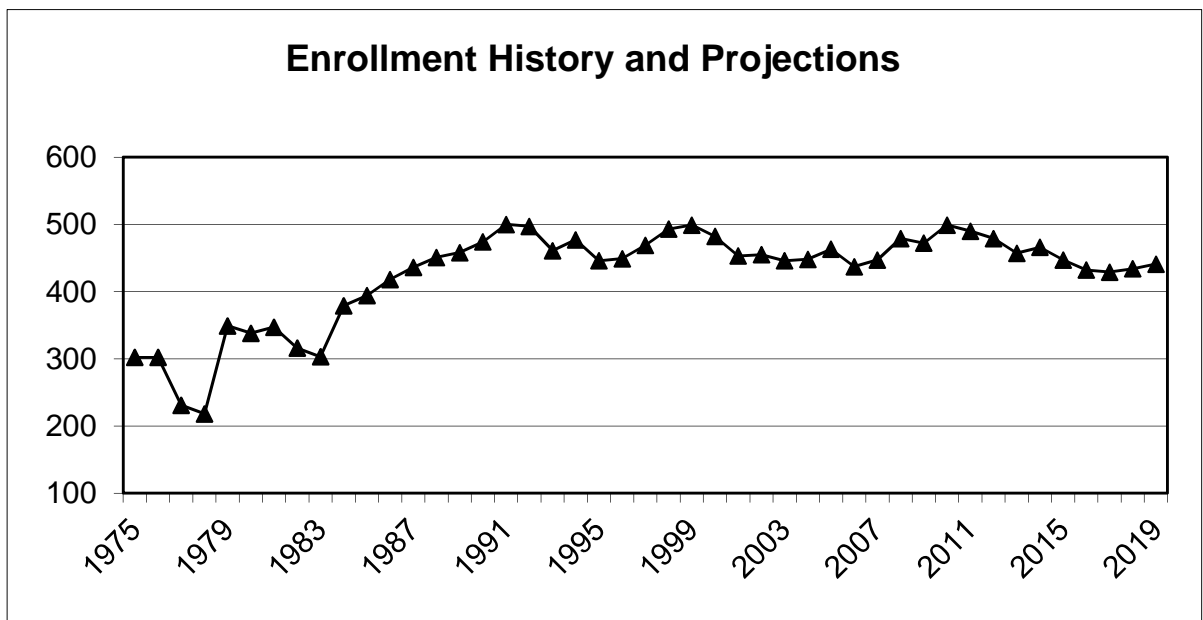
Countryside

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	72	100.0%	0	0.0%	72

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	21	2018-2019
2	20	2017-2018
3	25	2016-2017
4	36	2015-2016



Franklin

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	78	76	-2	-2.6%	66	71	72	73	73
1	62	79	17	27.4%	78	68	72	73	74
2	73	66	-7	-9.6%	81	81	70	74	75
3	52	71	19	36.5%	66	82	81	70	75
4	65	53	-12	-18.5%	69	64	79	78	68
5	59	68	9	15.3%	56	72	67	83	82
Spec. Ed.**	0	0	0		0	0	0	0	0
TOTAL	389	413*	24	6.2%	416	438	441	451	447

*Includes 8 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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	76	385		
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%
2014	76	413	24	6.2%

Peak enrollment year: 2006, 414 students

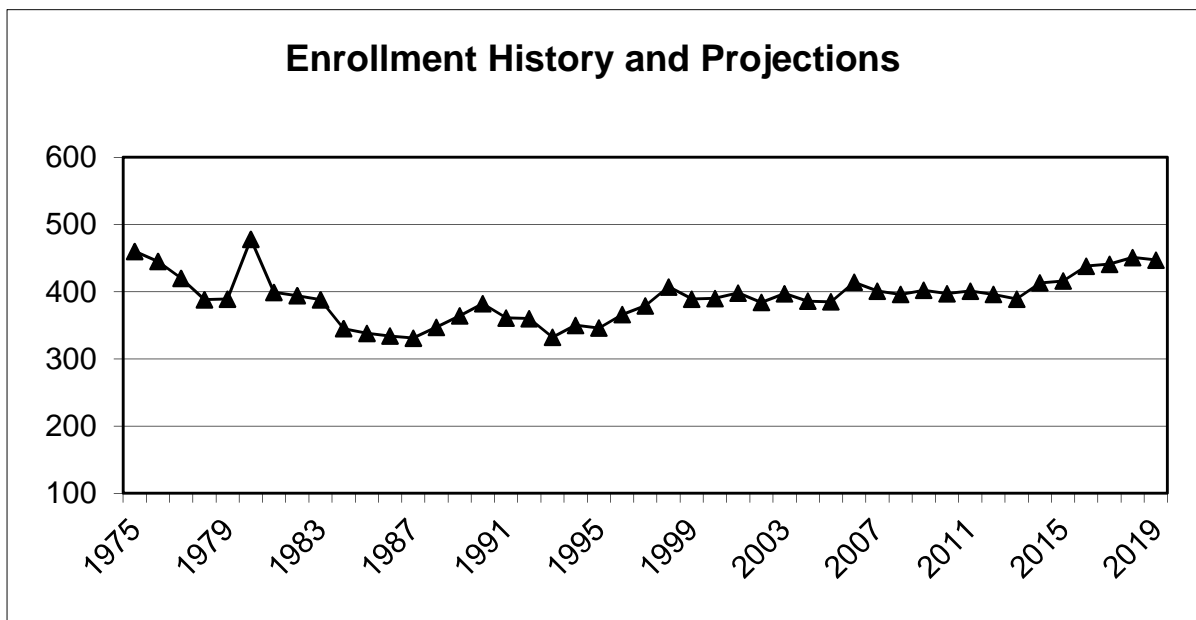
Franklin

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	70	92.1%	6	7.9%	76

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	40	2018-2019
2	50	2017-2018
3	57	2016-2017
4	40	2015-2016



Horace Mann

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	67	65	-2	-3.0%	69	69	68	67	67
1	74	69	-5	-6.8%	68	73	72	71	70
2	80	75	-5	-6.3%	68	67	71	71	69
3	70	83	13	18.6%	78	70	69	74	73
4	70	73	3	4.3%	87	81	73	72	77
5	66	69	3	4.5%	73	86	81	73	72
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	427	434*	7	1.6%	443	446	434	428	428

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	57	344		
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%
2014	65	434	7	1.6%

Peak enrollment year: 2014, 434 students

Horace Mann

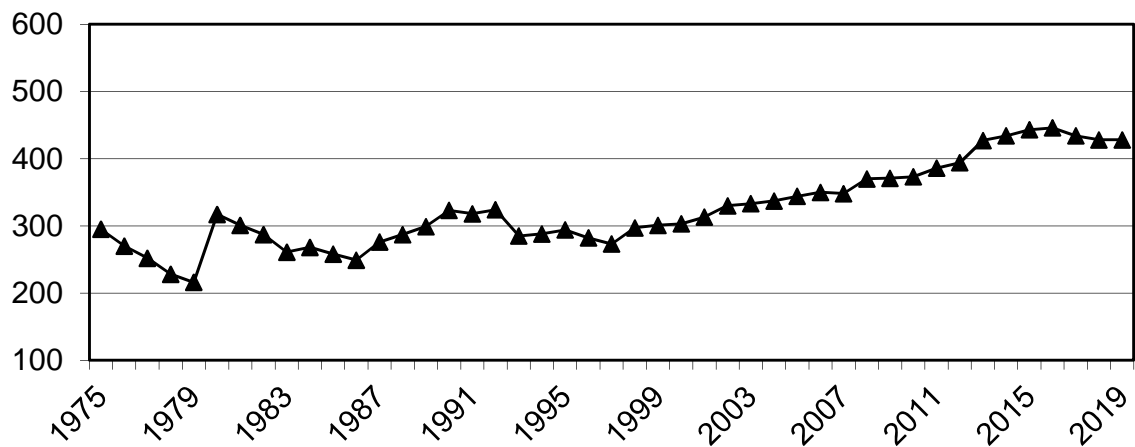
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	62	95.4%	3	4.6%	65

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	17	2018-2019
2	21	2017-2018
3	33	2016-2017
4	31	2015-2016

Enrollment History and Projections



Lincoln-Eliot

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	63	57	-6	-9.5%	54	55	56	57	56
1	49	64	15	30.6%	56	54	54	55	56
2	57	53	-4	-7.0%	64	56	54	54	55
3	59	53	-6	-10.2%	53	64	57	55	54
4	51	57	6	11.8%	55	56	67	59	57
5	50	53	3	6.0%	58	56	57	68	60
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	329	337*	8	2.4%	340	341	345	348	338

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	62	282		
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%
2014	57	337	8	2.4%

Peak enrollment year: 2014, 337 students

Lincoln-Eliot

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

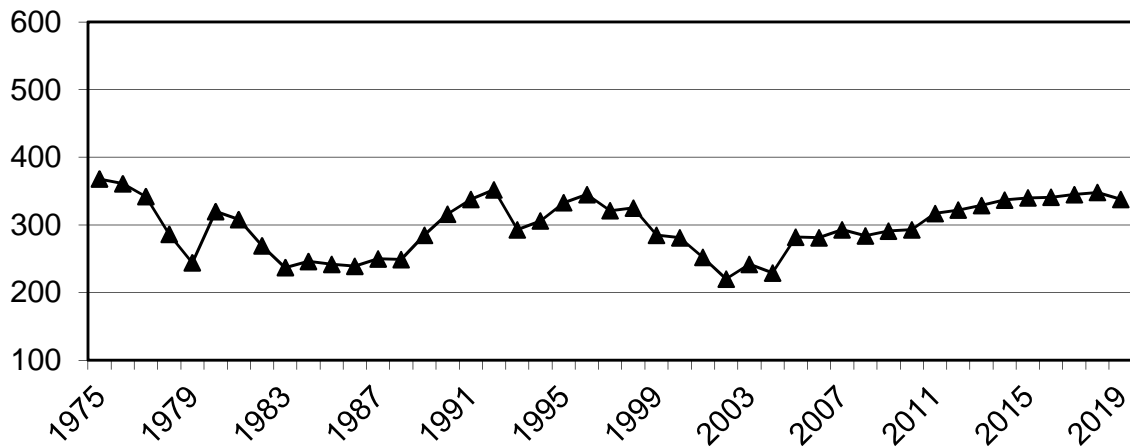
Year	Age 5		Age 6		Total
	#	%	#	%	
2007	41	91.1%	4	8.9%	45
2008	40	93.0%	3	7.0%	43
2009	43	87.8%	6	12.2%	49
2010	55	94.8%	3	5.2%	58
2011	53	96.4%	2	3.6%	55
2012	48	100.0%	0	0.0%	48
2013	63	100.0%	0	0.0%	63
2014	57	100.0%	0	0.0%	57

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	32	2018-2019
2	49	2017-2018
3	50	2016-2017
4	42	2015-2016

Enrollment History and Projections



Mason-Rice

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	88	82	-6	-6.8%	74	76	79	81	78
1	82	95	13	15.9%	85	77	79	83	84
2	66	85	19	28.8%	98	88	80	82	86
3	72	63	-9	-12.5%	84	97	87	79	81
4	78	72	-6	-7.7%	63	84	97	87	79
5	71	81	10	14.1%	72	62	83	96	86
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	457	478*	21	4.6%	476	484	505	508	494

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	71	372		
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%
2014	82	478	21	4.6%

Peak enrollment year: 2014, 478 students

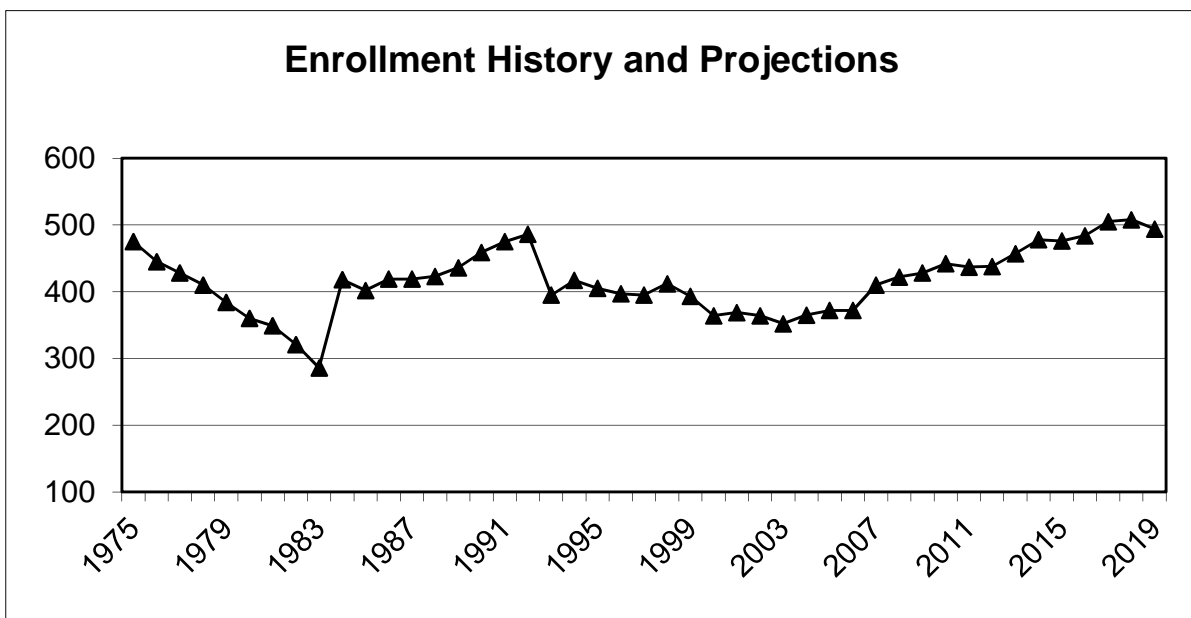
Mason-Rice

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	73	89.0%	9	11.0%	82

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	17	2018-2019
2	24	2017-2018
3	39	2016-2017
4	51	2015-2016



Memorial-Spaulling

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	67	79	12	17.9%	72	71	71	72	72
1	73	69	-4	-5.5%	85	78	77	76	78
2	68	72	4	5.9%	69	85	79	76	76
3	74	66	-8	-10.8%	72	69	85	79	77
4	69	77	8	11.6%	70	76	73	90	83
5	78	71	-7	-9.0%	79	72	78	74	92
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	429	434*	5	1.2%	447	451	463	467	478

*Includes 14 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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	59	419		
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%
2014	79	434	5	1.2%

Peak enrollment year: 2012, 464 students

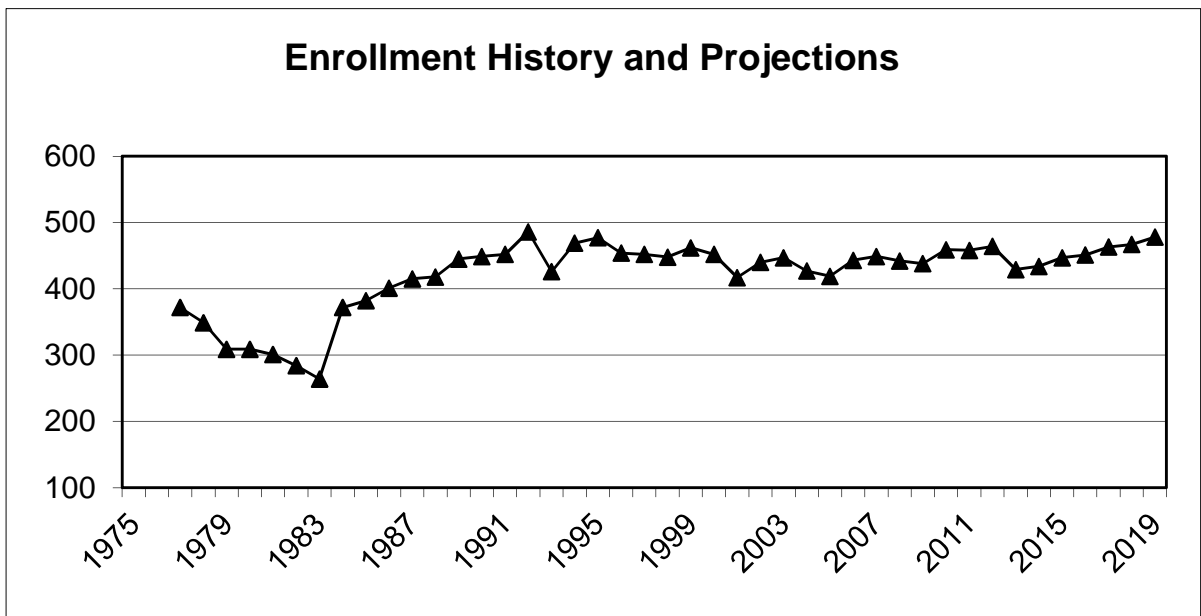
Memorial-Spaulling

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	74	93.7%	5	6.3%	79

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	21	2018-2019
2	38	2017-2018
3	34	2016-2017
4	52	2015-2016



Peirce

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	46	48	2	4.3%	50	51	50	49	50
1	52	47	-5	-9.6%	52	55	55	54	52
2	63	46	-17	-27.0%	47	52	57	55	54
3	57	66	9	15.8%	47	49	53	58	56
4	45	56	11	24.4%	65	47	48	53	58
5	49	43	-6	-12.2%	54	63	45	46	51
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	312	306*	-6	-1.9%	315	317	308	315	321

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	46	306		
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%
2014	48	306	-6	-1.9%

Peak enrollment year: 2008, 338 students

Peirce

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

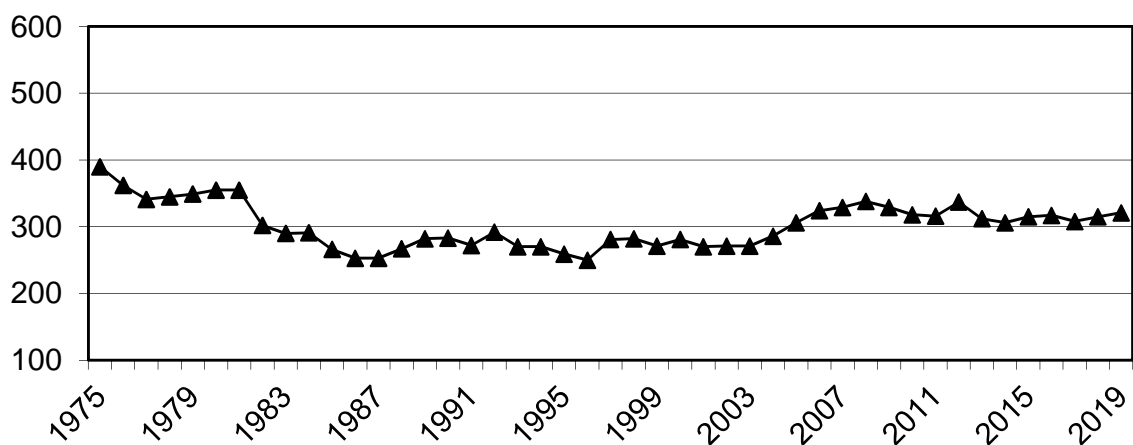
Year	Age 5		Age 6		Total
	#	%	#	%	
2007	42	79.2%	11	20.8%	53
2008	34	87.2%	5	12.8%	39
2009	32	82.1%	7	17.9%	39
2010	42	93.3%	3	6.7%	45
2011	45	81.8%	10	18.2%	55
2012	48	94.1%	3	5.9%	51
2013	42	91.3%	4	8.7%	46
2014	44	91.7%	4	8.3%	48

* Age 6 for school year 2009-10 included one 7-year old.

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	11	2018-2019
2	15	2017-2018
3	20	2016-2017
4	21	2015-2016

Enrollment History and Projections



Underwood

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	48	62	14	29.2%	49	51	52	52	52
1	53	51	-2	-3.8%	63	50	54	53	53
2	49	55	6	12.2%	54	66	53	57	56
3	61	51	-10	-16.4%	59	58	71	58	61
4	65	58	-7	-10.8%	53	61	60	74	60
5	51	64	13	25.5%	59	54	62	61	75
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	327	341*	14	4.3%	337	340	352	355	357

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	39	264		
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%
2014	62	341	14	4.3%

Peak enrollment year: 2014, 341 students

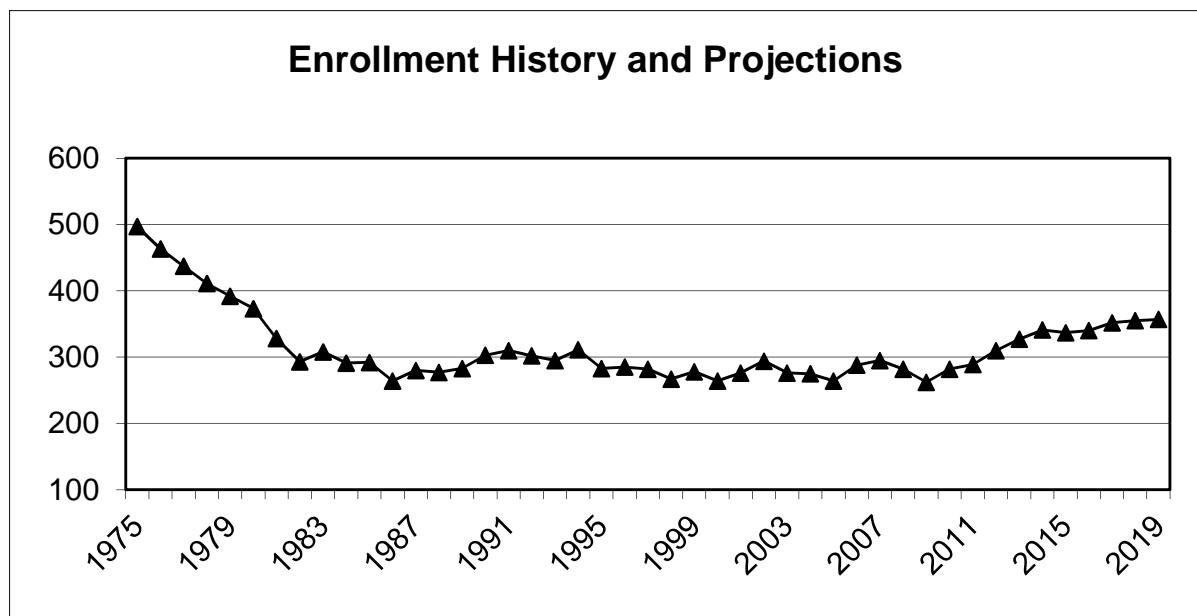
Underwood

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS*

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	58	93.5%	4	6.5%	62

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	20	2018-2019
2	24	2017-2018
3	29	2016-2017
4	30	2015-2016



Ward

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	43	46	3	7.0%	45	46	46	44	45
1	51	54	3	5.9%	52	51	54	52	49
2	53	53	0	0.0%	57	54	54	57	55
3	45	55	10	22.2%	54	58	55	55	58
4	52	47	-5	-9.6%	55	54	58	55	55
5	45	49	4	8.9%	46	54	53	57	54
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	289	304*	15	5.2%	309	317	320	320	316

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	45	262		
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%
2014	46	304	15	5.2%

Peak enrollment year: 2014, 304 students

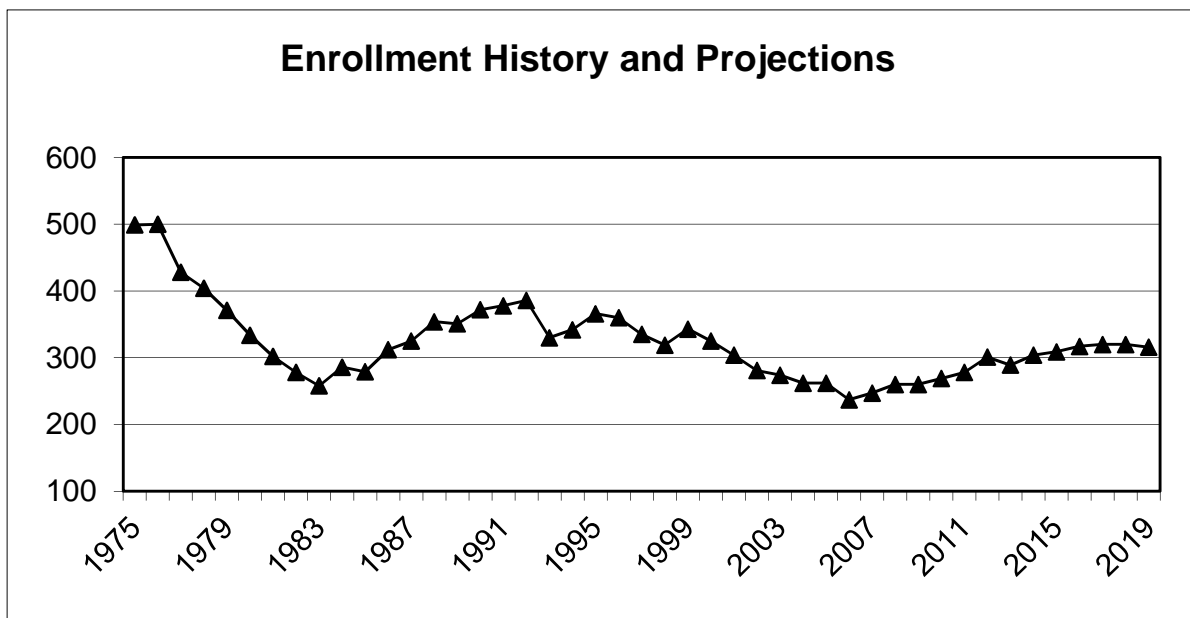
Ward

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	43	93.5%	3	6.5%	46

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	22	2018-2019
2	27	2017-2018
3	30	2016-2017
4	42	2015-2016



Williams

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	45	37	-8	-17.8%	45	45	45	47	47
1	57	44	-13	-22.8%	40	49	47	49	50
2	44	60	16	36.4%	46	42	51	52	54
3	42	43	1	2.4%	61	47	43	55	55
4	71	41	-30	-42.3%	43	62	48	45	57
5	45	67	22	48.9%	41	43	62	51	47
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	304	292*	-12	-3.9%	276	288	296	299	310

*Includes 14 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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	41	275		
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%
2014	37	292	-12	-3.9%

Peak enrollment year: 2012, 304 students

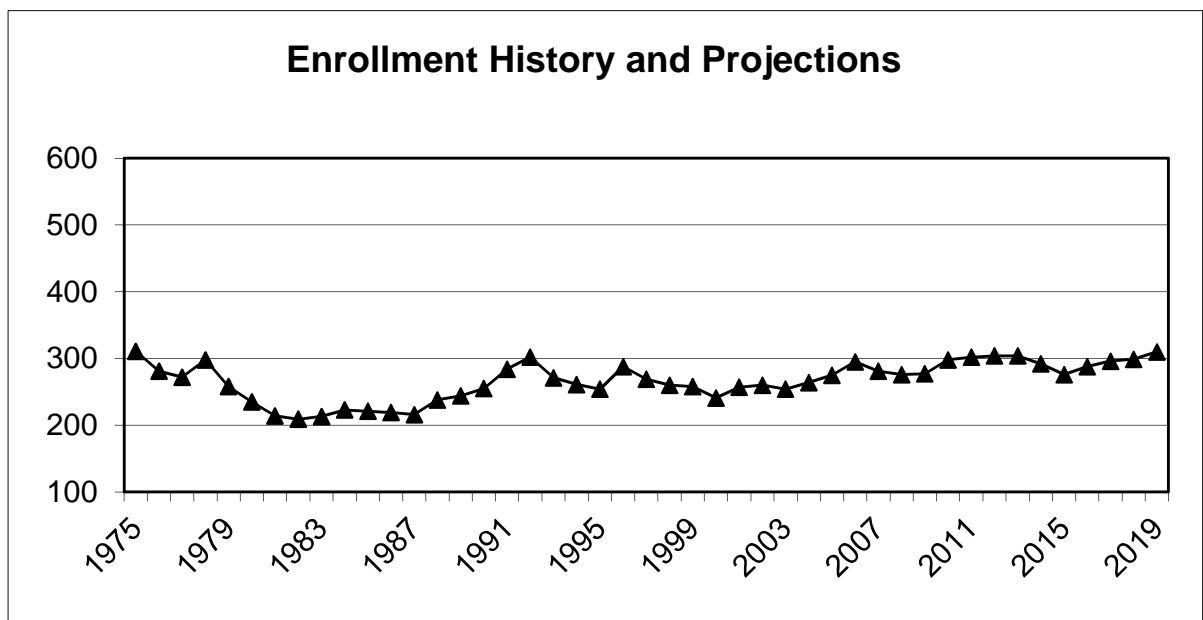
Williams

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	34	91.9%	3	8.1%	37

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	22	2018-2019
2	15	2017-2018
3	17	2016-2017
4	24	2015-2016



Zervas

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
K	53	53	0	0.0%	52	51	52	53	50
1	58	54	-4	-6.9%	52	51	50	52	52
2	41	55	14	34.1%	55	53	53	51	54
3	65	43	-22	-33.8%	56	56	55	54	52
4	42	59	17	40.5%	41	54	54	52	52
5	58	45	-13	-22.4%	61	42	56	55	54
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	317	309*	-8	-2.5%	317	307	320	317	314

*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).

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2005	46	300		
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%
2014	53	309	-8	-2.5%

Peak enrollment year: 2010, 349 students

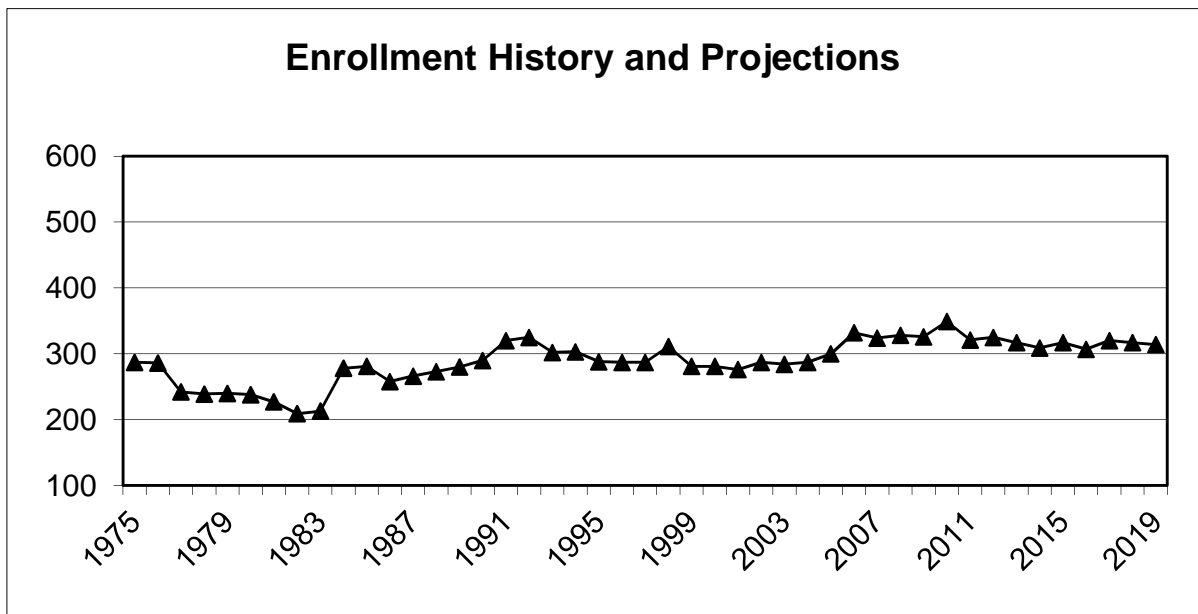
Zervas

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
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
2014	51	96.2%	2	3.8%	53

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2014 City Census)

Age	Number	Year Entering K
1	15	2018-2019
2	15	2017-2018
3	39	2016-2017
4	21	2015-2016



Bigelow Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
6	162	157	-5	-3.1%	173	170	171	181	195
7	178	168	-10	-5.6%	158	174	171	172	182
8	185	179	-6	-3.2%	167	157	173	170	171
Total	525	504	-21	-4.0%	498	501	515	523	548
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	525	504*	-21	-4.0%	498	501	515	523	548

*Includes 34 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).

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

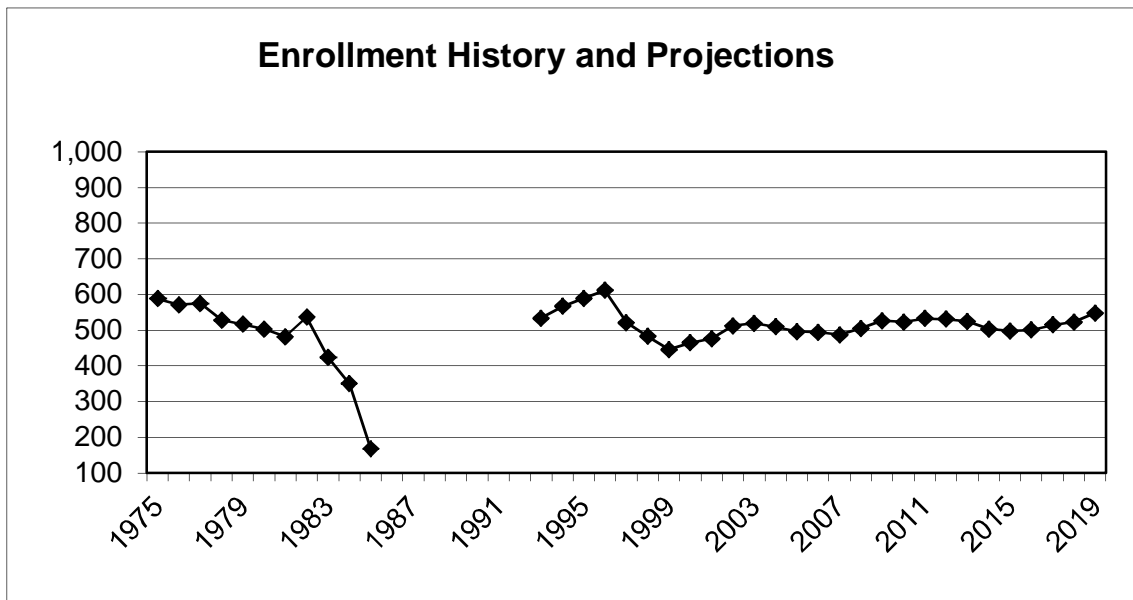
Year	Total Enrollment	Change from Previous Year	Percent Change
2005	496		
2006	495	-1	-0.2%
2007	487	-8	-1.6%
2008	505	18	3.7%
2009	527	22	4.4%
2010	523	-4	-0.8%
2011	533	10	1.9%
2012	531	-2	-0.4%
2013	525	-6	-1.1%
2014	504	-21	-4.0%

Peak enrollment year: 2011, 533 students

Bigelow Middle School

FIFTH GRADE STUDENTS FROM THE BIGELOW FEEDER SCHOOLS

Elementary School	2014-2015 5th Grade Enrollment
Cabot	0
Lincoln-Eliot	53
Underwood	64
Ward	49
Total	166



Brown Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
6	257	257	0	0.0%	279	248	225	256	262
7	245	242	-3	-1.2%	257	279	248	227	257
8	241	239	-2	-0.8%	245	260	282	252	230
Total	743	738	-5	-0.7%	781	787	755	735	749
Spec. Ed.**	0	0	0		0	0	0	0	0
TOTAL	743	738*	-5	-0.7%	781	787	755	735	749

*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).

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

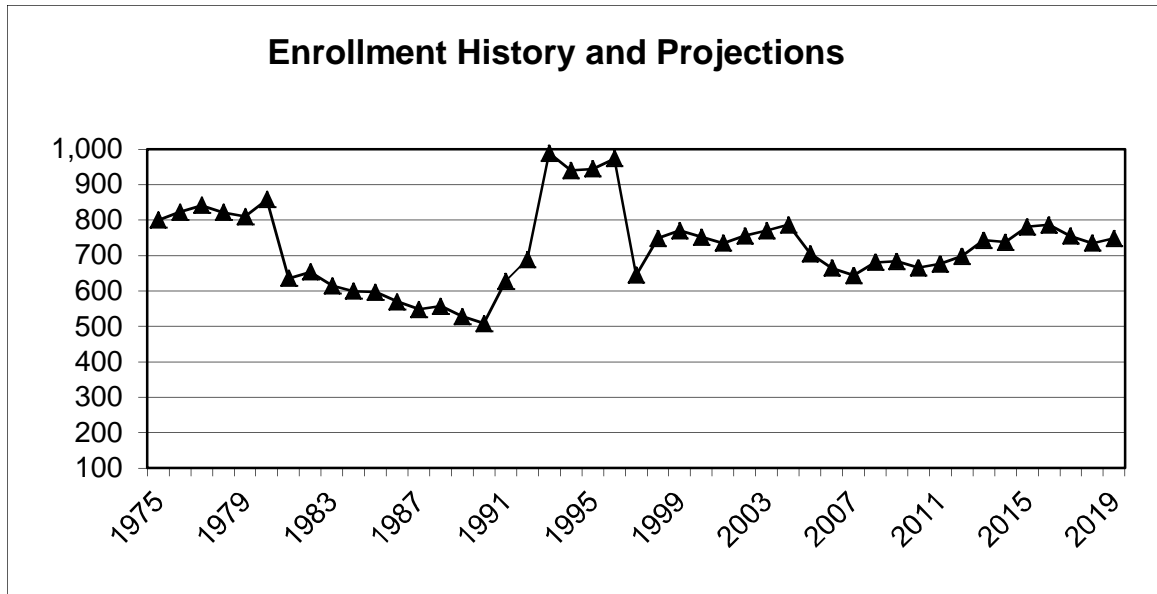
Year	Total Enrollment	Change from Previous Year	Percent Change
2005	705		
2006	665	-40	-5.7%
2007	644	-21	-3.2%
2008	681	37	5.7%
2009	684	3	0.4%
2010	666	-18	-2.6%
2011	677	11	1.7%
2012	698	21	3.1%
2013	743	45	6.4%
2014	738	-5	-0.7%

Peak enrollment year: 2013, 743 students

Brown Middle School

FIFTH GRADE STUDENTS FROM BROWN FEEDER SCHOOLS

Elementary School	2014-2015 5th Grade Enrollment
Angier	65
Countryside	96
Mason-Rice	81
Williams	67
Total	309



Day Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
6	347	299	-48	-13.8%	328	327	361	340	344
7	289	345	56	19.4%	301	331	329	364	342
8	311	288	-23	-7.4%	347	303	332	331	365
Total	947	932	-15	-1.6%	976	961	1022	1035	1051
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	947	932*	-15	-1.6%	976	961	1022	1035	1051

*Includes 27 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).

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

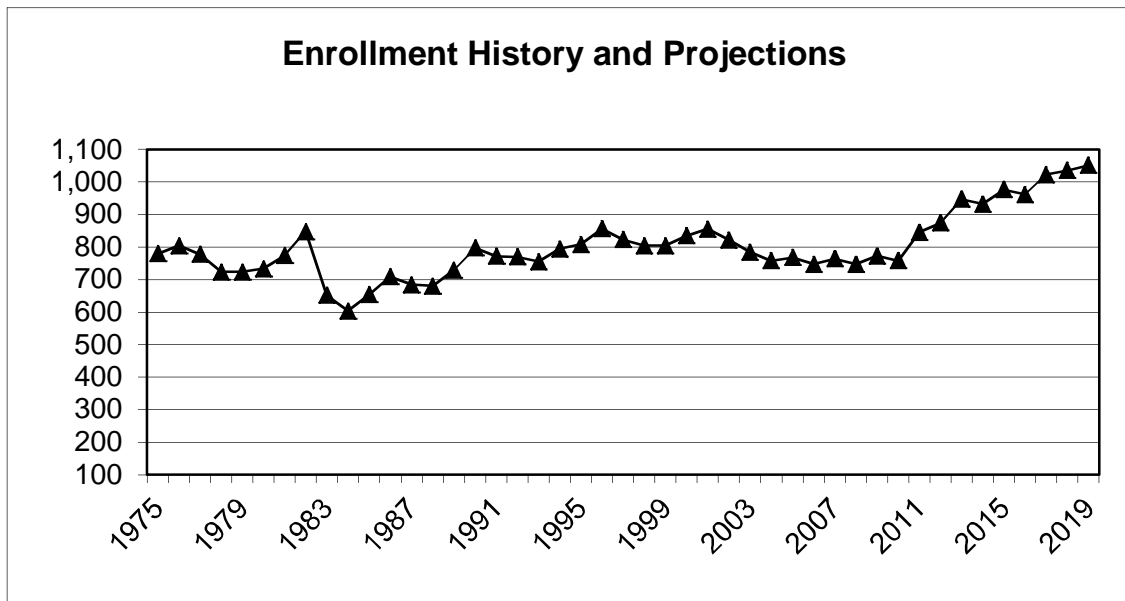
Year	Total Enrollment	Change from Previous Year	Percent Change
2005	768		
2006	747	-21	-2.7%
2007	764	17	2.3%
2008	747	-17	-2.2%
2009	773	26	3.5%
2010	758	-15	-1.9%
2011	845	87	11.5%
2012	874	29	3.4%
2013	947	73	8.4%
2014	932	-15	-1.6%

Peak enrollment year: 2013, 947 students

Day Middle School

FIFTH GRADE STUDENTS FROM THE DAY FEEDER SCHOOLS

Elementary School	2014-2015 5th Grade Enrollment
Burr	71
Cabot	75
Franklin	68
Horace Mann	69
Peirce	43
Total	326



Oak Hill Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
6	212	209	-3	-1.4%	179	208	176	207	224
7	220	208	-12	-5.5%	210	180	210	177	209
8	202	215	13	6.4%	208	210	180	209	177
Total	634	632	-2	-0.3%	597	598	566	593	610
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	634	632*	-2	-0.3%	597	598	566	593	610

*Includes 33 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).

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

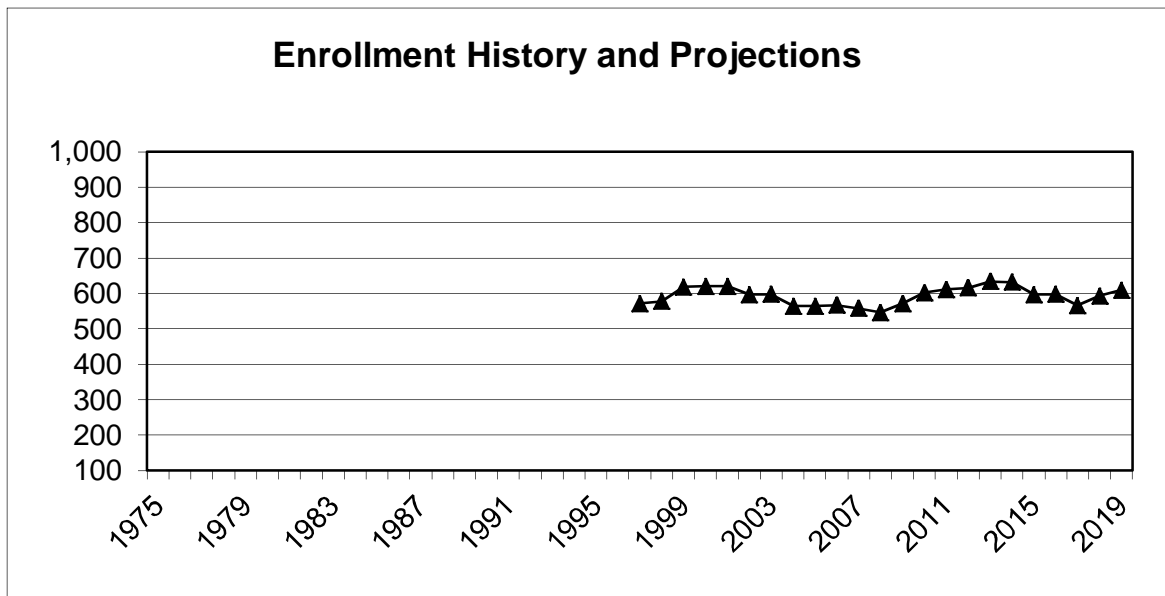
Year	Total Enrollment	Change from Previous Year	Percent Change
2005	565		
2006	567	2	0.4%
2007	558	-9	-1.6%
2008	547	-11	-2.0%
2009	572	25	4.6%
2010	603	31	5.4%
2011	612	9	1.5%
2012	616	4	0.7%
2013	634	18	2.9%
2014	632	-2	-0.3%

Peak enrollment year: 2013, 634 students

Oak Hill Middle School

FIFTH GRADE STUDENTS FROM THE OAK HILL FEEDER SCHOOLS

Elementary School	2014-2015 5th Grade Enrollment
Bowen	74
Memorial-Spaulding	71
Zervas	45
Total	190



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				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
9	496	535	39	7.9%	508	556	501	551	544
10	493	489	-4	-0.8%	540	513	561	506	556
11	447	508	61	13.6%	494	545	518	567	511
12	496	450	-46	-9.3%	512	497	550	522	571
TOTAL	1,932	1,982	50	3%	2,054	2,111	2,130	2,146	2,182
Post Grads	0	0	0	0	0	0	0	0	0
Spec. Ed.*	83	78	-5	-6%	78	78	78	78	78
TOTAL	2,015	2,060**	45	2.2%	2,132	2,189	2,208	2,224	2,260

**Includes 63 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

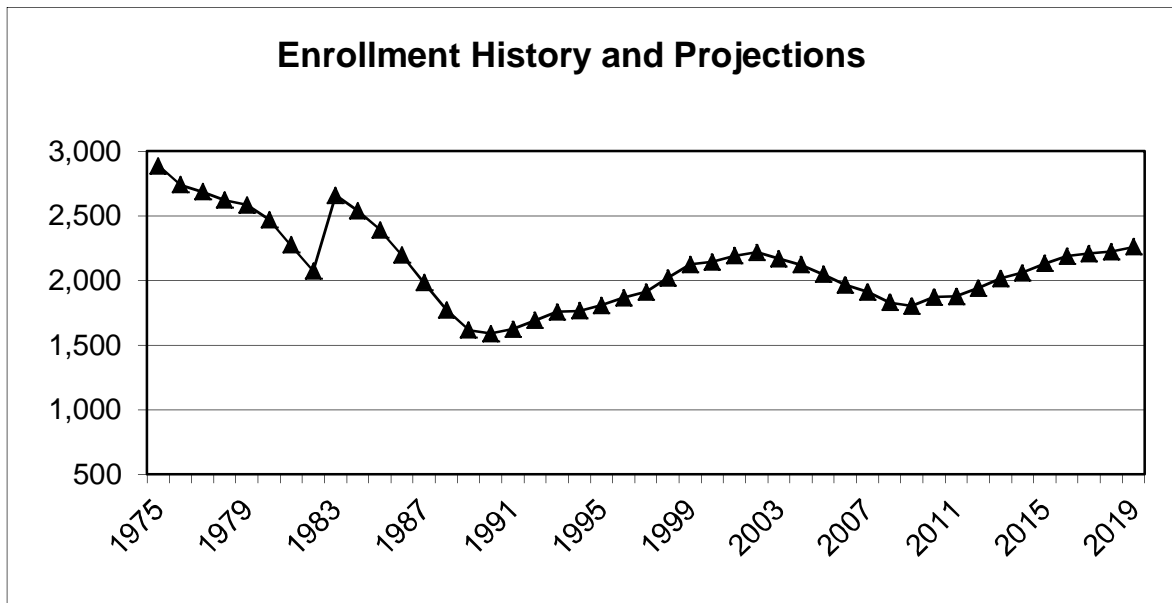
Year	Total Enrollment	Change from Previous Year	Percent Change
2005	2,047		
2006	1,964	-83	-4.1%
2007	1,911	-53	-2.7%
2008	1,829	-82	-4.3%
2009	1,802	-27	-1.5%
2010	1,871	69	3.8%
2011	1,877	6	0.3%
2012	1,940	63	3.4%
2013	2,015	75	3.9%
2014	2,060	45	2.2%

Peak enrollment year: 2014, 2060 students

North High School

EIGHTH GRADE STUDENTS FROM THE NORTH FEEDER SCHOOLS

Middle School	2014-2015 8th Grade Enrollment
Bigelow	179
Brown (10%)	19
Day	288
Total	486



South High School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2013 FY14	2014 FY15	N	%	2015 FY16	2016 FY17	2017 FY18	2018 FY19	2019 FY20
9	458	442	-16	-3.5%	475	472	490	480	484
10	448	452	4	0.9%	442	474	472	492	481
11	441	456	15	3.4%	451	440	473	471	491
12	414	438	24	5.8%	456	451	440	474	471
TOTAL	1,761	1,788	27	2%	1,824	1,837	1,875	1,917	1,927
Post Grads	0	0	0	0	0	0	0	0	0
Spec. Ed.*	17	16	-1	-6%	16	16	16	16	16
TOTAL	1,778	1,804**	26	1.5%	1,840	1,853	1,891	1,933	1,943

**Includes 50 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

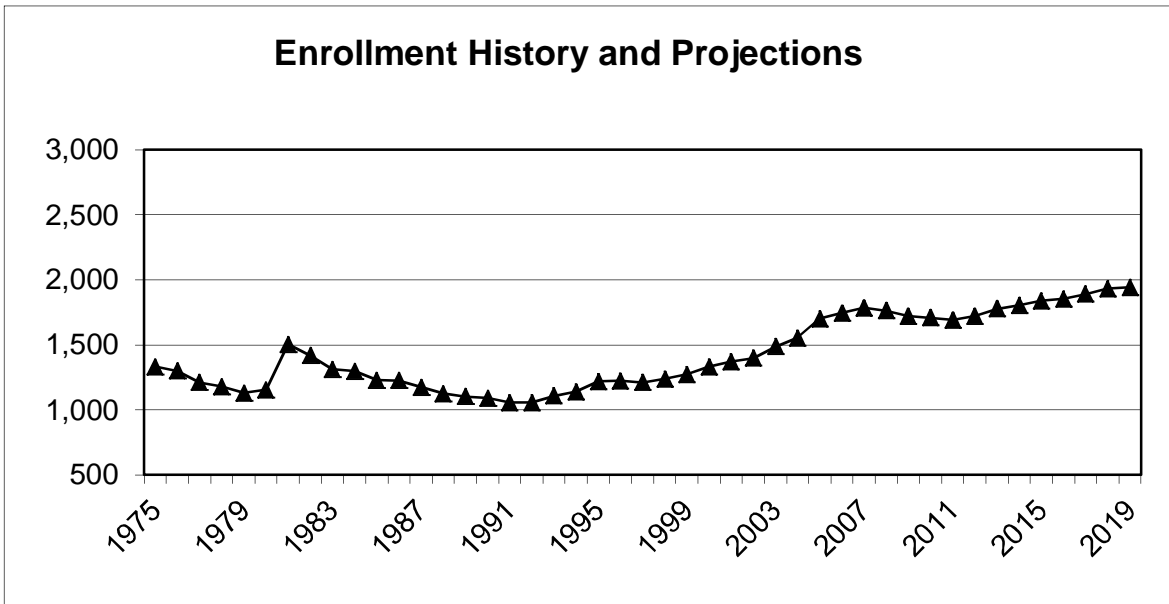
Year	Total Enrollment	Change from Previous Year	Percent Change
2005	1,701		
2006	1,745	44	2.6%
2007	1,784	39	2.2%
2008	1,763	-21	-1.2%
2009	1,722	-41	-2.3%
2010	1,708	-14	-0.8%
2011	1,691	-17	-1.0%
2012	1,721	30	1.8%
2013	1,778	57	3.3%
2014	1,804	26	1.5%

Peak enrollment year: 2014, 1804 students

South High School

EIGHTH GRADE STUDENTS FROM THE SOUTH FEEDER SCHOOLS

Middle School	2014-2015 8th Grade Enrollment
Brown (90%)	220
OakHill	215
Total	435



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 can contribute to growth. In addition, exit and entrance statistics further detail the extent and the type of student mobility changes that are experienced by schools during the course of a full academic year. Note that other statistics in this report are reported as of a moment in time (October 1st).

The table below shows three years of history in which all three years show positive net migration.

Annual Student Mobility	2011-12	2012-13	2013-14
Number of Student Exits	680	772	780
<i>Percentage of Enrollment</i>	5.7%	6.3%	6.8%
Number of Student Entrances	756	911	846
<i>Percentage of Enrollment</i>	6.3%	7.5%	6.3%
In Migration (Out Migration)	76	139	66

In 2013-14, new students comprised 6.8% 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 2013-14, there were more student entrances than student exits as a percentage of the total student population. The difference between entrances and exits narrowed last year compared to 2012-13 when there was a 1.2% difference as a percentage of total enrollment versus a difference of 0.5% last year.

Student Exit Statistics

In 2013-14, a total of 780 students, or 6.3%, left their schools during or after the close of the academic year, not including graduates. This is 8 more students than in the prior year (2012-13) when there were 772 student exits. The largest annual increase is seen in the category of students who moved out of Newton (+70 students) followed by an increase in the category of students who moved out of the Country (+23 students). There were fewer students who left for all other reasons including transfers to private school and for a special education placement in 2013-14.

At all grade levels the greatest number of student exits resulted from students moving out of Newton. Most students who move out of Newton left during the elementary years in 2013-14 as was also true in the previous year. While more students at the elementary level move out of the country at higher rates as well, there is less of a difference in these types of exits at the higher grade levels. The middle school grade level had almost 2% of students leaving to attend private school, the highest percentage of all grade levels, not including grade 5 students who transferred after the conclusion of elementary 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 2013 - AUGUST 2014**

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
2013-14 All Grades	175	437	151	30	17	810
% of Total Enrollment	1.4%	3.5%	1.2%	0.2%	0.1%	6.5%
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%
Difference	23	70	-26	-5	-24	38

**TABLE 20
EXITING ELEMENTARY SCHOOL STUDENTS
SEPTEMBER 2013- AUGUST 2014**

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	7	24	7			38
Bowen	16	27	8			51
Burr	2	14	6			22
Cabot	4	26				30
Countryside	2	17	3	1	1	24
Franklin	9	19	7			35
Horace Mann	1	10	2	1		14
Lincoln-Eliot	2	18				20
Mason-Rice	3	26	1			30
Memorial-Spaulding	11	14	5	3		33
Peirce	5	28	5			38
Underwood	12	13	9			34
Ward	7	13	5		1	26
Williams	17	18	4		1	40
Zervas	6	16	5		1	28
2013-14 Total	104	283	67	5	4	463
% of Elementary Enrollment	1.8%	4.9%	1.2%	0.1%	0.1%	8.0%
2012-13 Total	96	268	98	5	8	475
% of Elementary Enrollment	1.7%	4.6%	1.7%	0.1%	0.1%	8.2%
Difference	8	15	-31	0	-4	-12

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

TABLE 21
EXITING MIDDLE SCHOOL STUDENTS
SEPTEMBER 2013 - AUGUST 2014

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	7	13	4	2		26
Brown	12	25	16		1	54
Day	11	28	13	9	1	62
Oak Hill	7	28	12	5	1	53
2013-14 Total	37	94	45	16	3	195
% of Middle School Enrollment	1.3%	3.3%	1.6%	0.6%	0.1%	6.8%
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%
Difference	13	43	-5	2	1	54

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

TABLE 22
EXITING HIGH SCHOOL STUDENTS
SEPTEMBER 2013 - AUGUST 2014

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	15	37	14	6	6	78
South High	19	23	25	3	4	74
2013-14 Total	34	60	39	9	10	152
% of High School Enrollment	0.9%	1.6%	1.0%	0.2%	0.3%	4.0%
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%
Difference	2	12	10	-7	-21	-4

A three year history of student exits is shown below. In 2013-14, the overall increase in student exits is driven by changes at the middle school grade level which had more exits than the previous year. Both the elementary and high school grade levels had fewer exits last year.

TABLE 23
TOTAL STUDENT EXITS
Three Year History

School	2011-12	2012-13	# % Change	2013-14	# % Change
Angier	32	21	-11	38	17
Bowen	36	48	12	51	3
Burr	20	26	6	22	-4
Cabot	41	20	-21	30	10
Countryside	41	36	-5	23	-13
Franklin	25	21	-4	35	14
Horace Mann	22	30	8	13	-17
Lincoln-Eliot	26	32	6	20	-12
Mason-Rice	32	33	1	30	-3
Memorial-Spaulding	35	57	22	30	-27
Peirce	37	42	5	38	-4
Underwood	12	26	14	34	8
Ward	18	35	17	26	-9
Williams	24	25	1	40	15
Zervas	25	23	-2	28	5
Total Elementary	426	475	49	458	-17
% Elementary Enrollment	7.5%	8.2%	11.5%	7.9%	-3.6%
Bigelow	20	32	12	24	-8
Brown	33	36	3	54	18
Day	37	39	2	53	14
Oak Hill	34	34	0	48	14
Total Middle School	124	141	17	179	38
% Middle School Enrollment	4.6%	5.2%	13.7%	6.3%	27.0%
North High	74	84	10	72	-12
South High	56	72	16	71	-1
Total High School	130	156	26	143	-13
% High School Enrollment	3.6%	4.3%	20.0%	3.8%	-8.3%
Grand Total	680	772	92	780	8
% Total Enrollment	5.7%	6.3%	13.5%	6.3%	1.0%

Table 21 provides a history of student exits to private schools at the elementary, middle and high school levels since 2007-08. 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 2013-14, 54% 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, 44% transferred in grade 8.

TABLE 24
HISTORY OF EXITS TO NON-PUBLIC SCHOOLS

Level	Academic Year						
	07-08	08-09	09-10	10-11	11-12	12-13	13-14
All Elementary	109	98	81	113	79	98	67
% of Elementary Enrollment	2.0%	1.8%	1.6%	2.0%	1.4%	1.7%	2.5%
<i>Grade 5*</i>	54	51	35	50	34	49	36
<i>% of Elementary exits</i>	49.5%	52.0%	43.2%	44.2%	43.0%	50.0%	53.7%
All Middle School	61	64	59	69	36	50	45
% of Middle School Enrollment	2.5%	2.6%	2.3%	1.2%	1.0%	1.8%	1.2%
<i>Grade 8*</i>	34	33	21	41	20	26	20
<i>% of Middle School exits</i>	55.7%	51.6%	35.6%	59.4%	55.6%	52.0%	44.4%
All High School	37	23	27	29	19	29	39
% of High School Enrollment	1.0%	0.6%	0.8%	0.8%	0.1%	0.8%	0.3%
Grand Total	207	185	167	211	134	177	151
% of Total Enrollment	1.8%	1.6%	1.4%	1.4%	0.9%	1.5%	1.2%

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

Student Entrance Statistics

There were 846 students, or 6.8% of total enrollment, who entered Newton Public Schools in 2013-2014 who had not been students in the previous academic year, not including kindergarten. This is a decrease of 65 student enrollments over the prior year when there were 911 student entrances or 7.5% of total enrollment. All categories of entrance types decreased this year. The largest annual decrease is seen in students moving into Newton from another part of the country or from outside the United States. Enrollments of students from another Massachusetts community or from private school had the smallest numerical and percentage changes as compared to the previous year.

Students moving into Newton are most commonly coming from another Massachusetts community at the elementary and middle school grade levels. By high school in 2013-14, new students are most commonly transferring in from a private school. Enrollments from outside the United States are most common as a percentage of the total grade level at the elementary and high schools. Students returned from private school to enroll in Newton Public Schools to the greatest extent in 2013-14 at the elementary and high school grade levels, again, as a percentage of the total grade level.

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 2013 - June 2014

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
2013-14 All Grades	250	191	214	191	846
% of Total Enrollment	2.0%	1.5%	1.7%	1.5%	6.8%
2012-13 All Grades	260	215	231	205	911
% of Total Enrollment	2.1%	1.8%	1.9%	1.7%	7.5%
Difference	-10	-24	-17	-14	-65

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

TABLE 25
ENTERING ELEMENTARY SCHOOL STUDENTS
July 2013 - June 2014

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
Angier	7	4	4	2	17
Bowen	13	11	15	14	53
Burr	9	2	4	3	18
Cabot	13	13	6	6	38
Countryside	11	10	5	2	28
Franklin	9	4	3	1	17
Horace Mann	21	3	9	7	40
Lincoln-Eliot	12	6	9	5	32
Mason-Rice	5	8	4	13	30
Memorial-Spaulding	10	9	10	4	33
Peirce	7	9	7	3	26
Underwood	9	12	13	8	42
Ward	7	10	3	8	28
Williams	13	7	12		32
Zervas	7	4	2	4	17
2013-14 Total	153	112	106	80	451
% of Elementary Enrollment	2.6%	1.9%	1.8%	1.4%	7.8%
2012-13 Total	179	116	126	63	484
% of Elementary Enrollment	3.1%	2.0%	2.2%	1.1%	8.4%
Difference	-26	-4	-20	17	-33

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

TABLE 26
ENTERING MIDDLE SCHOOL STUDENTS
July 2013 - June 2014

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
Bigelow	5	6	8	6	25
Brown	10	13	14	7	44
Day	21	9	8	4	42
Oak Hill	12	8	15	6	41
2013-14 Total	48	36	45	23	152
% of Middle School Enrollment	1.7%	1.3%	1.6%	0.8%	5.3%
2012-13 Total	38	47	37	45	167
% of Middle School Enrollment	1.4%	1.7%	1.4%	1.7%	6.1%
Difference	10	-11	8	-22	-15

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

TABLE 27
ENTERING HIGH SCHOOL STUDENTS
July 2013 - June 2014

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
North High	30	23	32	52	137
South High	19	20	31	36	106
2013-14 Total	49	43	63	88	243
% of High School Enrollment	1.3%	1.1%	1.7%	2.3%	6.4%
2012-13 Total	43	52	68	97	260
% of High School Enrollment	1.2%	1.4%	1.9%	2.6%	7.1%
Difference	6	-9	-5	-9	-17

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

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

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, 2014 is 421. Of the 421 students, 45% are enrolled in the elementary schools, 28% at the middle schools and 27% at the high schools.

**TABLE 1
2014-15 METCO ENROLLMENT
BY SCHOOL AND GRADE**

School	Grade						Special Education*	Total
	K	1	2	3	4	5		
Angier		2	4		3	7		16
Bowen		5	4	4	4	4		21
Burr		3				2		5
Cabot	4	3	4	1	1	7		20
Countryside								0
Franklin		3	2	1	2			8
Horace Mann	2	2		2	2	2		10
Lincoln-Eliot	5	2	4	4	2	2		19
Mason-Rice	5		2	1		1		9
Memorial-Spaulding		4	2	1	3	4		14
Peirce			1	3	4	2		10
Underwood	3	3	5	3	2			16
Ward	1	2	3	1	2	3		12
Williams			7	1	2	4		14
Zervas	5	5	3	3	1			17
Total Elementary	25	34	41	25	28	38	0	191
Grade level as % of all METCO students								45.4%
				6	7	8		
Bigelow				12	13	9		34
Brown				6	12	5		23
Day				11	11	5		27
Oak Hill				13	13	7		33
Total Middle				42	49	26	0	117
Grade level as % of all METCO students								27.8%
			9	10	11	12		
North High			12	20	18	13		63
South High			11	14	15	10		50
Total High School			23	34	33	23	0	113
Grade level as % of all METCO students								26.8%
Grand Total								421

* 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 a decrease of 36 students, or -4% 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 875 students this year versus 911 students one year ago. The English Language Learners population has grown by 559 students, or 177%, 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%
2014	875	-36	-4.0%

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 decreased by 22 students in 2014-15 compared to the prior year. The ELL population at the secondary level in grades 6 -12 has decreased by 14 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 21% of the total ELL program enrollment in 2014-15.

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

LANGUAGE	2012-13				2013-14				Difference 2012-13 vs. 2013-14				2014-15				Difference 2013-14 vs. 2014-15			
	K-5		6-12		K-5		6-12		K-5		6-12		K-5		6-12		K-5		6-12	
	Total		Total		Total		Total		Total		Total		Total		Total		Total		Total	
Chinese (All Forms)	129	70	199		180	70	250		51	0	51		174	69	243		-6	-1	-7	
Russian	110	21	131		117	23	140		7	2	9		108	13	121		-9	-10	-19	
Spanish	70	33	103		66	32	98		-4	-1	-5		69	30	99		3	-2	1	
Korean	53	27	80		52	27	79		-1	0	-1		39	25	64		-13	-2	-15	
Japanese	23	4	27		34	8	42		11	4	15		35	10	45		1	2	3	
Hebrew	44	15	59		59	18	77		15	3	18		55	16	71		-4	-2	-6	
Portuguese	24	19	43		26	21	47		2	2	4		29	19	48		3	-2	1	
Other	96	40	136		124	54	178		28	14	42		127	57	184		3	3	6	
TOTAL	549	229	778		658	253	911		109	24	133		636	239	875		-22	-14	-36	

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 19.1%. This is an increase of 26 students over last school year but the percentage of special education students compared to district enrollment is similar to last year when 19.0% of district students received special education services. There are more special education students at the elementary grade level this year with 853 students, or 14.6% versus 826 students last year, or 14.2%. There are 4 fewer special education students at the middle school level this year but the overall percentage of 22.7% of students increased slightly from 22.5% in 2013-14. There is an increase in 3 special education students at the high school level and the overall percentage, at 23.2%, has decreased due enrollment growth among the high school population. For the second year in a row, there has been a decrease in the type of placements as of October 2014 with fewer students placed out of district to private special education schools (126 students vs. 134 in October 2013 and 146 in October 2012).

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**

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

October 2014										
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	749	79	14	2	9		0	0	853	14.6%
Middle	416	132	54	5	30		0	1	638	22.7%
High	587	139	93	10	57	9	0	3	898	23.2%
Total	1,752	350	161	17	96	9	0	4	2,389	19.1%

*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 (131) were included in this table, the total Special Education population would be 2,520 (20.2%).

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%).

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

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%).

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%).

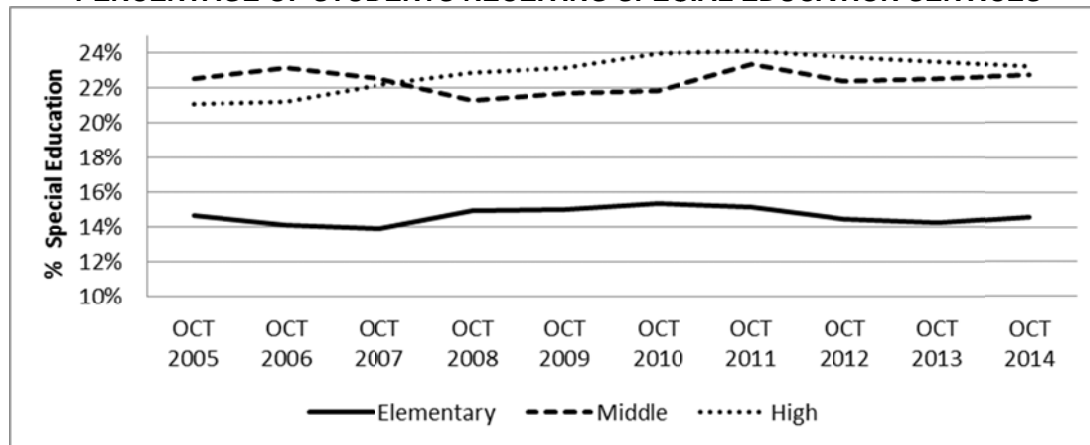
October 2010

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%).

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 14 students since last year, or 2%, and is currently 597 students.

TABLE 5
NON-RESIDENT STUDENTS
OCTOBER 1, 2013 AND OCTOBER 1, 2014

Category	2013-14	2014-15	Difference	% Change
METCO Program Students	415	421	6	1.4%
Tuition-In Students	3	2	-1	-33.3%
Hearing Impaired (EDCO)	30	28	-2	-6.7%
Faculty Children	105	107	2	1.9%
Approved to Attend*	18	21	3	16.7%
Foreign Exchange Student	12	18	6	50.0%
TOTAL	583	597	14	2.4%

* 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 2014

Elementary District	School Attending	K	1	2	3	4	5	Total	Total Students in District including Out-of-Assigned District Students	2014-15 % of District	2014-15 % of Total Students	2013-14 Number of Students	2013-14 % of District
Buffer Zones													
ANGIER-WILLIAMS	Angier	6	2	4	1	9	4	26		49%	0%	27	46%
	Williams	4	2	8	4	3	6	27		51%	0%	32	54%
	<i>Subtotal</i>	10	4	12	5	12	10	53	53	100%	1%	59	100%
ANGIER-COUNTRYSIDE (New in 2011-12)	Angier	11	9	17	14	4	4	59		32%	1%	63	32%
	Countryside	16	20	15	17	31	28	127		68%	2%	132	68%
	<i>Subtotal</i>	27	29	32	31	35	32	186	193	100%	3%	195	100%
BOWEN-COUNTRYSIDE (Expanded in 2011-12)	Bowen	5	4	5	3	0	1	18		29%	0%	12	21%
	Countryside	8	6	6	7	9	9	45		71%	1%	44	79%
	<i>Subtotal</i>	13	10	11	10	9	10	63	63	100%	1%	56	100%
BOWEN-MASON-RICE (Expanded in 2014-15)	Bowen	11	20	14	14	17	14	90		67%	2%	20	40%
	Mason-Rice	15	9	9	4	3	4	44		33%	1%	30	60%
	<i>Subtotal</i>	26	29	23	18	20	18	134	136	100%	2%	50	100%
BOWEN-MEMORIAL-SPAULDING (New in 2014-15)	Bowen	6	16	8	13	10	8	61		98%	1%		
	Memorial-Spauldng	0	0	1	0	0	0	1		2%	0%		
	<i>Subtotal</i>	6	16	9	13	10	8	62	64	100%	1%		
BOWEN-WARD (New in 2014-15)	Bowen	2	5	4	3	3	4	21		95%	0%		
	Ward	0	1	0	0	0	0	1		5%	0%		
	<i>Subtotal</i>	2	6	4	3	3	4	22	23	100%	0%		
BURR-WILLIAMS (Expanded in 2012-13)	Burr	7	10	2	5	6	3	33		49%	1%	36	59%
	Williams	9	2	7	4	2	11	35		51%	1%	25	41%
	<i>Subtotal</i>	16	12	9	9	8	14	68	70	100%	1%	61	100%
COUNTRYSIDE-MEMORIAL-SPAULDING	Countryside	0	0	0	0	0	0	0		0%	0%	0	0%
	Memorial-Spauldng	0	0	1	2	0	0	3		100%	0%	6	100%
	<i>Subtotal</i>	0	0	1	2	0	0	3	3	100%	0%	6	100%
COUNTRYSIDE-ZERVAS	Countryside	0	0	0	0	1	0	1		100%	0%	2	67%
	Zervas	0	0	0	0	0	0	0		0%	0%	1	33%
	<i>Subtotal</i>	0	0	0	0	1	0	1	5	100%	0%	3	100%
FRANKLIN-BURR (Expanded in 2012-13)	Burr	2	2	4	3	2	3	16		43%	0%	19	50%
	Franklin	7	3	1	4	4	2	21		57%	0%	19	50%
	<i>Subtotal</i>	9	5	5	7	6	5	37	39	100%	1%	38	100%
FRANKLIN-HORACE MANN	Franklin	6	2	6	2	0	0	16		31%	0%	10	23%
	Horace Mann	5	3	7	7	8	6	36		69%	1%	34	77%
	<i>Subtotal</i>	11	5	13	9	8	6	52	53	100%	1%	44	100%

APPENDIX B
TABLE 6
Elementary Students by District with Buffer Zones
October 2014

Elementary District	School Attending	K	1	2	3	4	5	Total	Total Students in District including Out-of-Assigned District Students	2014-15 % of District	2014-15 % of Total Students	2013-14 Number of Students	2013-14 % of District
HORACE MANN-LINCOLN-ELIOT	Horace Mann Lincoln-Eliot <i>Subtotal</i>	2 1 3	1 3 4	1 1 2	5 0 5	3 1 4	3 0 3	15 6 21		71% 29% 100%	0% 0% 0%	19 7 26	73% 27% 100%
MASON-RICE-WARD	Mason-Rice Ward <i>Subtotal</i>	5 4 9	7 3 10	6 1 7	9 1 10	5 2 7	8 2 10	40 13 53		75% 25% 100%	1% 0% 1%	42 14 56	75% 25% 100%
UNDERWOOD-WARD	Underwood Ward <i>Subtotal</i>	0 0 0	0 0 0	1 0 1	1 0 1	0 0 0	0 0 0	2 0 2	4	100% 0% 100%	0% 0% 0%	4 1 5	80% 20% 100%
WILLIAMS-PEIRCE	Peirce Williams <i>Subtotal</i>	16 2 18	18 1 19	6 4 10	16 4 20	7 4 11	12 3 15	75 18 93	96	81% 19% 100%	1% 0% 2%	70 23 93	75% 25% 100%
ZERVAS-MASON-RICE	Mason-Rice Zervas <i>Subtotal</i>	1 0 1	0 1 1	0 0 0	0 0 0	1 0 1	1 1 2	3 2 5	5	60% 40% 100%	0% 0% 0%	3 2 5	60% 40% 100%
Total Buffer Zones		151	150	139	143	135	137	855	886	100%	15%	697	100%
Regular Districts													
ANGIER	Angier	43	49	35	38	52	44	261	268	6%	5%	270	6%
BOWEN	Bowen	40	44	43	32	45	39	243	249	5%	4%	437	10%
BURR	Burr	60	62	58	57	54	58	349	365	8%	6%	352	8%
CABOT	Cabot	54	53	72	66	74	63	382	401	7%	7%	384	8%
COUNTRYSIDE	Countryside	45	40	47	43	44	55	274	296	6%	5%	254	6%
FRANKLIN	Franklin	58	68	58	62	44	61	351	382	8%	6%	339	7%
HORACE MANN	Horace Mann	51	58	62	55	56	48	330	350	7%	6%	309	7%
LINCOLN-ELIOT	Lincoln-Eliot	51	58	46	47	51	46	299	329	7%	5%	283	6%
MASON-RICE	Mason-Rice	49	76	63	46	60	60	354	356	8%	6%	357	8%
MEMORIAL-SPAULDING	Memorial-Spauldning	76	63	66	61	74	65	405	412	9%	7%	388	8%
PEIRCE	Peirce	27	25	39	37	40	27	195	202	4%	4%	205	4%
UNDERWOOD	Underwood	59	46	44	46	47	52	294	314	7%	5%	274	6%
WARD	Ward	37	47	47	46	38	41	256	263	6%	5%	243	5%
WILLIAMS	Williams	22	36	33	30	29	39	189	200	4%	3%	204	4%
ZERVAS	Zervas	45	46	46	35	53	41	266	277	6%	5%	280	6%
Total Regular Districts		717	771	759	701	761	739	4,448	4,664	100%	80%	4,579	100%
Out-of-Assigned District Students		24	32	30	61	40	60	247			4%	242	
Total Students		892	953	928	905	936	936	5,550	5,550		100%	5,518	

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
CITY OF NEWTON HOUSING TYPES
NEWTON PUBLIC SCHOOL CHILDREN BY HOUSING TYPE

City of Newton Housing Types

Housing Type	<u>FY2014</u>	<u>% of Total in 2014</u>	<u>FY2004</u>	<u>% of Total in 2004</u>	<u>Ten Year Change</u>	<u>Ten Year Change %</u>
Single Family	16,968	67%	16,885	69.3%	83	0%
Condominium	4,635	18%	3,489	14.3%	1,146	33%
Two Family	2,859	11%	3,224	13.2%	-365	-11%
Three Family	288	1%	308	1.3%	-20	-6%
Apartment Buildings	155	1%	176	0.7%	-21	-12%
Mixed Use	258	1%	296	1.2%	-38	-13%
TOTAL PROPERTIES	25,163	100%	24,378	100%	785	3%

Source: Newton Assessors Office

Newton Public School Children by Housing Type

Type of Housing	2002	% of Resident Students	2012	% of Resident Students	Ten Year Change	Ten Year Change %
Single Family	7,777	73%	7,778	67%	1	0%
Two/Three Family	1,671	16%	1,778	15%	107	6%
Condominiums	526	5%	1,164	10%	638	121%
Mixed Use	389	4%	428	4%	39	10%
Apartment Buildings	251	2%	517	4%	266	106%
Total	10,614	100%	11,665	100%	1,051	10%

Source: Newton Geographic Information Systems

**APPENDIX D
TABLE 9**

**CITY OF NEWTON
Residential Property Sales by District January 2005 to September 2014**

School District	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Angier	64	60	71	42	50	45	68	58	70	52
Angier/Williams	6	7	6	6	9	7	7	7	13	7
Bowen	172	142	142	128	144	153	134	165	76	73
Bowen/Mason-Rice	9	9	8	7	6	6	13	15	18	16
Bowen/Memorial Spaulding									64	41
Bowen/Ward									10	16
Burr	65	41	45	39	45	36	54	55	51	34
Burr/Williams	9	6	6	3	5	5	6	7	12	5
Cabot	90	76	77	68	48	81	46	91	82	52
Countryside	79	55	69	61	50	66	64	70	61	63
Countryside/Angier	49	45	59	32	39	33	31	42	35	32
Countryside/Bowen	13	12	11	12	14	11	10	5	12	8
Countryside/Memorial-Spaulding	3	2	1	3	2	5	4	1	2	3
Countryside/Zervas	2	2	1	1	1	1	1	1	2	3
Franklin	62	55	74	45	55	77	66	66	66	71
Franklin/Burr	5	7	12	8	15	9	5	15	12	9
Franklin/Horace Mann	7	7	4	7	6	9	3	8	4	8
Horace Mann	50	43	56	37	38	49	32	52	53	37
Horace Mann/Lincoln-Eliot	7	7	11	5	4	4	7	9	13	5
Lincoln-Eliot	69	77	69	42	43	47	49	62	66	55
Mason-Rice	65	56	84	69	52	52	50	67	57	51
Mason-Rice/Ward	15	4	12	11	6	6	4	12	11	9
Memorial-Spaulding	111	91	92	77	91	100	94	114	98	80
Peirce	40	54	59	43	34	39	33	49	47	21
Underwood	72	65	54	56	56	48	55	76	73	52
Underwood/Ward	4	0	1	5	0	1	1	2	3	2
Ward	59	53	56	105	52	40	62	62	54	48
Williams	35	61	32	21	33	28	31	33	41	28
Williams/Peirce	12	10	9	14	4	10	10	18	13	11
Zervas	52	39	52	47	45	45	43	52	46	42
Zervas/Mason-Rice	1	3	0	1	1	0	2	2	0	0
Totals	1,227	1,089	1,173	995	948	1,013	985	1,216	1,165	934

* Calendar Year 2014 information is from January 1, 2014 to September 30, 2014.

**APPENDIX D
TABLE 10
PROPERTIES LISTED FOR SALE IN NEWTON, MA BY ELEMENTARY DISTRICT**

School District	Number of Taxable Properties	% For Sale	Number for Sale	Number for Sale Last Year	SINGLE FAMILY - SF						CONDO - C				MULTI-FAMILY - MF			% BY TYPE		
					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.	SF	C	MF
Angier	1,395	1.1%	15	15		3	4	3	3				1	1				87%	13%	
Bowen	1,380	1.1%	15	20	1	2	1	1	1	3	2	2	1	1		1		33%	60%	7%
Burr	1,280	1.2%	15	7	1	2	7	2			1			1				80%	13%	7%
Cabot	1,930	0.6%	11	12		1		2	1			2	1		4			36%	27%	36%
Countryside	1,423	1.1%	15	11	1	3	4	3	2				1					87%	7%	7%
Franklin	1,704	0.7%	12	10		2	3	2			2				2	1		58%	17%	25%
Horace Mann	1,313	0.9%	12	7		2	1	1			1		4		3			33%	42%	25%
Lincoln-Eliot	1,534	0.5%	8	9	1	3	1				1				2			63%	13%	25%
Mason-Rice	1,728	0.6%	10	5		4	3	1	1			1						90%	10%	
Memorial-Spaulding	2,113	1.8%	39	23		6	7	14	7	3	1			1				87%	13%	
Peirce	1,012	2.2%	22	13		1	3	10	6						1	1		91%		9%
Underwood	1,432	0.9%	13	7		3	3	4			1	1	1					77%	23%	
Ward	1,395	1.1%	16	18			5	7	3	1								94%	6%	
Williams	758	0.8%	6	9		1		2	1			1	1					67%	33%	
Zervas	1,238	0.6%	8	17		2	1	2	3									100%		
Angier/Williams	242	0.8%	2	1				1			1							50%	50%	
Bowen/Mason-Rice	611	0.0%	0	0																
Bowen/Memorial-Spaulding	854		8	0			2	2	4									100%		
Burr/Williams	124	0.0%	0	3																
Countryside/Angier	818	1.2%	10	4		1	4				1	3	1					50%	50%	
Countryside/Bowen	321	0.0%	0	0																
Countryside/Memorial-Spaulding	66	1.5%	1	1					1									100%		
Countryside/Zervas	34	0.0%	0	0																
Franklin/Burr	195	0.5%	1	0				1										100%		
Franklin/Horace Mann	146	0.0%	0	0														100%		
Horace Mann/Lincoln-Eliot	221	0.5%	1	1		1												100%		
Mason-Rice/Ward	277	0.7%	2	2				2										100%		
Underwood/Ward	76		0	0																
Williams/Peirce	246	1.2%	3	0			1						2					33%	67%	
Zervas/Mason-Rice	50	0.0%	0	0																
Total	25,916	0.9%	245	195	5	37	47	57	37	7	11	12	12	3	0	4	13			
Last Year's Property Mix			195		1	28	37	38	34	7	12	19	7	2	0	1	9			
Difference			50		4	9	10	19	3	0	-1	-7	5	1	0	3	4			
% Difference			26%		400%	32%	27%	50%	9%	0%	-8%	-37%	71%	50%	0%	300%	44%			
Note: This data came from MLS Listings of residential properties for sale in Newton, Ma. as of 11/5/2014 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 Nov 2014.																				

Note: This data came from MLS Listings of residential properties for sale in Newton, Ma. as of 11/5/2014 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 Nov 2014.

APPENDIX E

TABLE 11

NESDEC's Projections vs Newton's Projections

Grades K through 12

Newton's Projections

Level	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19	FY20 2019-20
Elementary	5,859	5,905	5,987	6,019	6,001
Middle	2,852	2,847	2,858	2,886	2,958
High School	3,878	3,948	4,005	4,063	4,109
Special Education	94	94	94	94	94
Total	12,683	12,794	12,944	13,062	13,162

NESDEC's Projections*

Level	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19	FY20 2019-20
Elementary	5,842	5,872	5,951	5,967	5,935
Middle	2,848	2,842	2,846	2,865	2,933
High School	3,876	3,949	4,000	4,050	4,085
Special Education	94	94	94	94	94
Total	12,660	12,757	12,891	12,976	13,047

Difference

Level	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19	FY20 2019-20
Elementary	17	33	36	52	66
Middle	4	5	12	21	25
High School	2	-1	5	13	24
Special Education	0	0	0	0	0
Total	23	37	53	86	115

Kindergarten Only

Newton's Projections

Level	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19	FY20 2019-20
Kindergarten	922	929	937	941	935

NESDEC's Projections*

Level	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19	FY20 2019-20
Kindergarten	912	914	939	940	929

Difference

Level	FY16 2015-16	FY17 2016-17	FY18 2017-18	FY19 2018-19	FY20 2019-20
Kindergarten	10	15	-2	1	6

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

**APPENDIX F
TABLE 12**

Total Enrollment by High School Feeder Patterns

School:	Feeds Into:	Newton North Feeding Schools						Newton South Feeding Schools					
		2014	2015	2016	2017	2018	2019	2014	2015	2016	2017	2018	2019
Lincoln-Eliot	Bigelow	337	340	341	345	348	338						
Underwood	Bigelow	341	337	340	352	355	357						
Ward	Bigelow	304	309	317	320	320	316						
Burr	Day	424	426	431	436	443	434						
Cabot	Day	418	413	405	401	386	393						
Franklin	Day	413	416	438	441	451	447						
Horace Mann	Day	434	443	446	434	428	428						
Peirce	Day	306	315	317	308	315	321						
Angier	Brown							402	412	416	430	437	440
Countryside	Brown							466	447	432	429	434	441
Mason-Rice	Brown	96	95	97	101	102	99	382	381	387	404	406	395
Williams	Brown							292	276	288	296	299	310
Bowen	Oak Hill							475	485	492	507	511	490
Memorial-Spaulding	Oak Hill							434	447	451	463	467	478
Zervas	Oak Hill							309	317	307	320	317	314
Total Elementary		3,073	3,094	3,132	3,138	3,148	3,133	2,760	2,765	2,773	2,849	2,871	2,868
Bigelow	North	504	498	501	515	523	548						
Day	North	932	976	961	1,022	1,035	1,051						
Brown	North (13%); South (87%)	96	102	102	98	96	97	642	679	685	657	639	652
Oak Hill	South							632	597	598	566	593	610
Total Middle School		1,532	1,576	1,564	1,635	1,654	1,696	1,274	1,276	1,283	1,223	1,232	1,262
Newton North		2,060	2,132	2,189	2,208	2,224	2,260	1,804	1,840	1,853	1,891	1,933	1,943
Newton South													
Total All Grade Levels		6,665	6,802	6,885	6,981	7,026	7,089	5,838	5,881	5,909	5,963	6,036	6,073
Change from Prior Year			137	83	96	45	63		43	28	54	73	37
% Change			2.1%	1.2%	1.4%	0.6%	0.9%		0.7%	0.5%	0.9%	1.2%	0.6%
Difference between North and South		256	292	336	317	291	317						