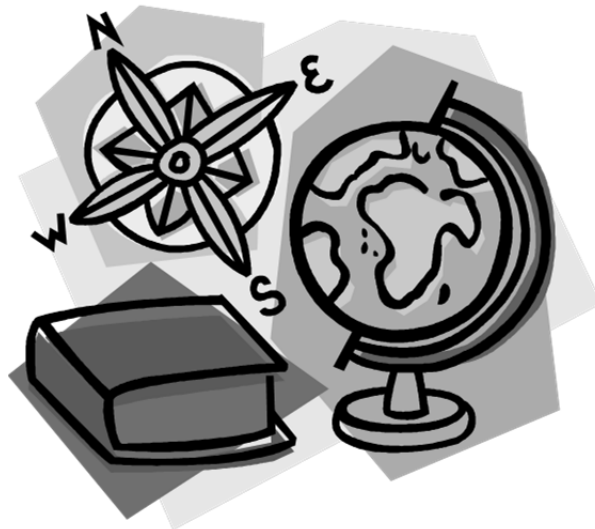


Enrollment Analysis Report

2012-2013 to 2017-2018



**Newton Public Schools
100 Walnut Street
Newtonville, MA 02460**

November 2012

David Fleishman
Superintendent

Sandra Guryan
Deputy Superintendent/Chief Administrative Officer

Acknowledgements:

Susan Dzikowski, Director of Finance
Sean Mannion, Senior Budget Analyst
Julie Kirrane, School Information Specialist

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	i-iii
I. Enrollment Trends	1-15
System-wide Projections	
Elementary Projections	
Secondary Projections	
National, State and Local Trends	
Housing Complexes	
Real Estate Sales	
II. Enrollment Projection Method	16-26
Kindergarten Projection Methodology	
Accuracy of Projections	
NESDEC Comparison	
Frequently Asked Questions	
III. Enrollment History	27-35
Grade-by-Grade Analysis	
A Comparison to Peak Enrollment Years	
IV. Individual School Reports	36-78
V. Student Exits, Entrances and Transfers (2011-12)	79-89
Appendices	90-102
A. Special Enrollments	
B. Buffer Zones (Elementary School Students by District)	
C. City of Newton Population Growth	
D. Residential Property Data	
E. NESDEC's Enrollment Projections vs. Newton's	
F. Total Enrollment by High School Feeder Patterns	

LIST OF TABLES

TABLE	PAGE
1. Projected Enrollments by School 2013-14 to 2017-18	5
1B. Enrollment History and Projections by School 1973-74 to 2017-18	6-7
2. Projected Enrollments by Grade 2013-14 to 2017-18	8
2B. Enrollment History and Projections by Grade 1973-74 to 2017-18	9-10
3. Comparison of Actual and Projected 5 Year Enrollment Change	11
3B. Percent of Change by Grade Span 2006-07 to 2017-18	12
4. Actual System Enrollment Change 1974-75 to 2012-13	13
5. Actual Elementary School Enrollment Change 1980-81 to 2012-13	14
6. Actual Secondary School Enrollment Change 1982-83 to 2012-13	15
7. Resident Births to Kindergarten Ratios	18
8. Projection History for 2012-13	18
9. Comparison of Projected with Actual 2012-13 Enrollment	20
10. Actual and Projected Enrollments by School 2012-13	21-22
11. Actual and Projected K-12 Enrollments 2006-07 to 2017-18	23
12. Enrollments by Grade 2011-12 and 2012-13	28
13. Historical Cohort Survival Ratios by Grade	29
14. Percent of Change by Elementary School 2006-07 to 2017-18	30-33
15. Percent of Change by Middle School 2006-07 to 2017-18	34
16. Percent of Change by Senior High School 2006-07 to 2017-18	35
17. Exiting Elementary School Students 2011-12	80
18. Exiting Middle School Students 2011-12	81
19. Exiting High School Students 2011-12	81
20. Total Student Exits 2009-10 through 2011-12	82
21. History of Exits to Non-Public Schools 2005-06 to 2011-12	83
22. Elementary School Student Exits to Non-Public School 2011-12	84
23. Middle School Student Exits to Non-Public School 2011-12	85
24. High School Student Exits to Non-Public School 2011-12	85
25. Entering Elementary School Students 2011-12	87
26. Entering Middle School Students 2011-12	88
27. Entering High School Students 2011-12	88
28. Student Exits to Another Newton School	89

Appendix A	PAGE
1. METCO Enrollment 2012-13 by School and Grade	90
2. English Language Learners Enrollment, 1990-91 to 2012-13	91
3. English Language Learners Enrollment by Language	92
4. Distribution of Students Receiving Special Education Services	93-94
5. Number of Non-resident Students, October 1, 2011 and 2012	95
 Appendix B	
6. Elementary Students by District with Buffer Zones, October 1, 2011 and 2012	96-97
 Appendix C	
7. City of Newton Population Growth	98
 Appendix D	
8. Properties Listed for Sale in Newton by Elementary District	99
9. Residential Property Sales by Elementary District, 2005 to 2012	100
 Appendix E	
10. NESDEC's Enrollment Projections vs. Newton's	101
 Appendix F	
11. Total Enrollment by High School Feeder Patterns	102

EXECUTIVE SUMMARY

2012-13 ENROLLMENT ANALYSIS

EXECUTIVE SUMMARY

Enrollment in the Newton Public Schools has experienced eight consecutive years of growth with 902 students added from 2005 to 2012; growth is expected to continue for the next five years. Net growth of 654 students over the past seven years was followed by an increase of 248 students this year – made up of 103 elementary school students, 52 middle school students and 93 high school students. The current 2012-13 enrollment of 12,170 students is expected to increase by 865 students (7%) over the next five years, with expected growth at the elementary and middle schools of 258 students and 201 students, respectively. The high schools are projected to grow by 406 students as the larger middle school population moves to high school. Although there was a 2.1% enrollment increase this year, there has been a net decrease of 28 students with identified special needs while the number of students identified as English Language Learners remained constant.

Net growth at the elementary schools is projected to continue following an increase of 852 students, or 17%, since 2003-04. This year's kindergarten population of 934 students is 39 students more than last year, and is the largest kindergarten since 1975-76. The current K-5 elementary school population of 5,790 students is the highest since the mid 1970's. From the mid 1980's to the mid 1990's, the elementary schools grew by 1,390 students (35%) to 5,363 students; this was the other period of significant growth prior to the current growth trend.

The middle schools have grown by 266 students (11%) from 2007-08 to the present; the last period of growth was in the 1990's and early 2000's. The 2012-13 enrollment increase of 52 students is expected to be followed by net growth of 7% over the next five years. Next year, today's Grade 5 class of 1,021 students will be the highest sixth grade population since 1979.

High school enrollment peaked in 2005-06 as expected with 3,748 students, the largest high school population since 1984. The increase of 93 students in the current school year is the start of a continuing growth pattern which will add 406 high school students over the next five years to 4,067 students. Larger classes have arrived at high school; last year's class of 866 eighth graders is now a cohort of 931 Grade 9 students. By school year 2021-22, today's kindergarten class of 934 students will be high school freshmen with a projected class size of 1,051 students.

Current enrollment of 12,170 is 56 students, or 0.5% above the projection made in November 2011. By grade level, the +56 student difference is made up of +33 elementary school students, +9 middle school students and +14 high school students. This report details changes in enrollments by school since last year, and reviews current enrollments versus the November 2011 projections. Actual 2012-13 enrollments presented in this report have changed minimally from the Preliminary Enrollment Report of November 1, 2012, with a net decrease of -2 students.

Future Enrollment

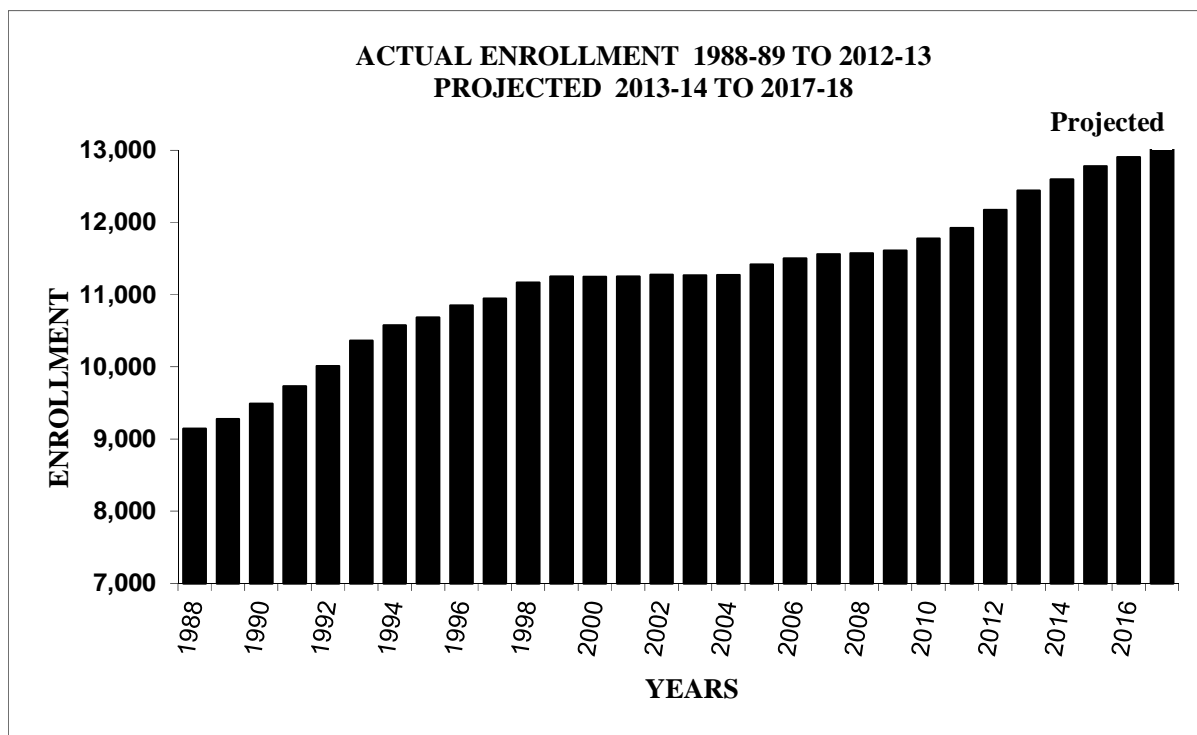
The traditional cohort survival method of enrollment projections using five-year historical data yields the projections for Grades 1 through 12 on the following chart. The 2013-14

kindergarten projection has been calculated using an adjusted three-year average of the cohort survival ratio of children age 3 (as per city census data) to the kindergarten population two years later. See Section II entitled, “Enrollment Projection Method,” for more information and discussion of the full methodology used in this year’s forecast.

Level	Actual	Projections Using 5 Year Ratios*				
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Elementary	5,790	5,851	5,935	5,975	6,003	6,048
Middle	2,719	2,832	2,819	2,882	2,859	2,920
High School	3,661	3,757	3,840	3,918	4,040	4,067
Total	12,170	12,440	12,594	12,775	12,902	13,035

*Includes a separate forecast for kindergarten based on trends over three years for the 2013-14 projection and five years for all other years.

The following graph is a representation of thirty years of enrollment in the Newton Public Schools, from 1988 to 2017, including projections from 2013 through 2017. The graph illustrates the trend of sustained increases during the 1990’s, followed by a six-year period of stability, until the growth trend of the past eight 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 1-15) an in-depth look at system-wide and grade distribution projections.
- II. Enrollment Projection Method, Accuracy of Projections and Frequently Asked Questions - (pages 16-26) 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, Entrances and Transfers – (pages 79-89) provide data on student mobility in the prior 2011-12 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 90-102): Special enrollments including METCO, English Language Learners and students receiving special education services; elementary school students by district with buffer zones; data on City of Newton population growth by age group; current residential properties for sale in Newton by elementary school district and historical residential property sales; the New England School Development Council's (NESDEC) enrollment projections for Newton, discussed in detail in Section II; and total enrollment by high school feeder patterns.

I. ENROLLMENT TRENDS

System-wide Projections

Elementary Projections

Secondary Projections

National, State and Local Trends

Housing Complexes

Real Estate Sales

I. ENROLLMENT TRENDS

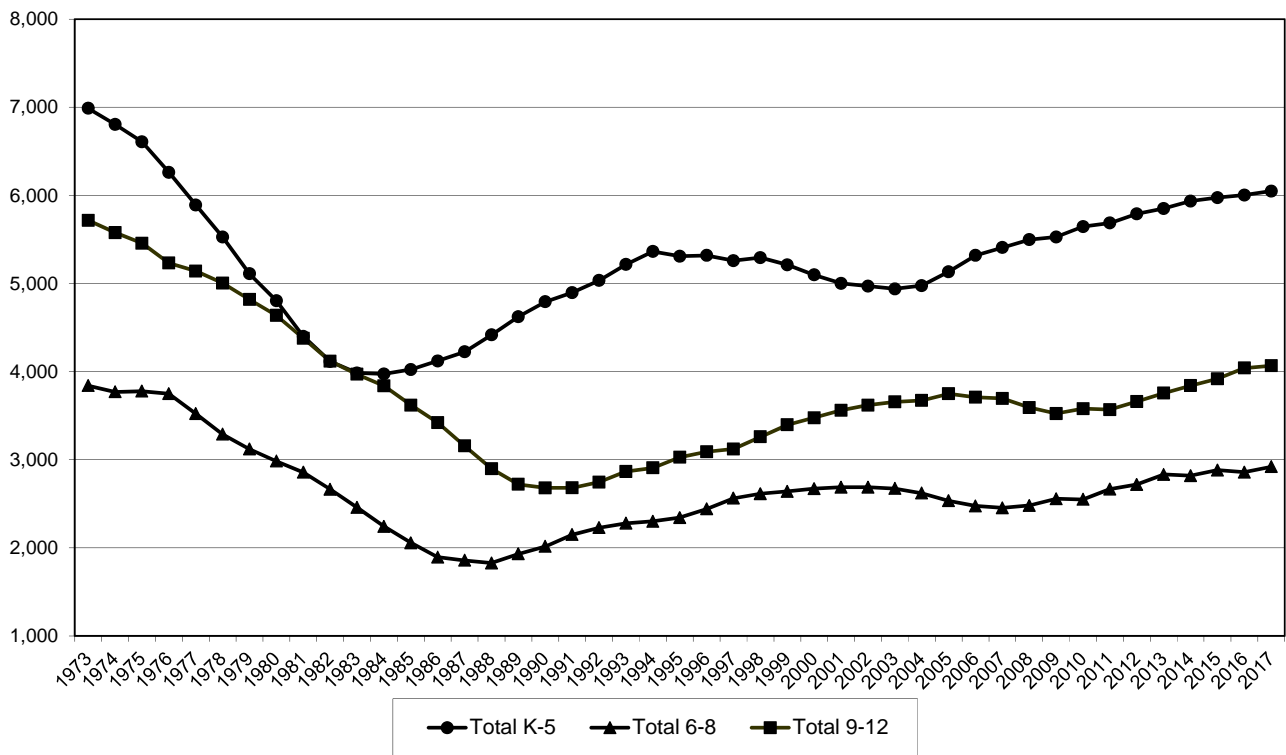
System-wide Projections

Enrollment for all schools is projected to increase by a net of 865 students during the next five years after growing by a net of 902 students since 2004-05 – growth of 1,767 students (16%) over thirteen years. This trend is comparable to the eleven-year period of growth from 1989 to 1999 when the district’s population grew by over 2,000 to 11,248 students.

Tables 1 and 2 display by school and by grade the current enrollments for 2012-13 as well as projections for the next five years. Tables 1B and 2B are enrollment history and projections from 1973-74 to 2017-18, by school and by grade. Table 3 and Table 3B show enrollment changes by school and by grade level over various time periods including the projected years of 2013-14 through 2017-18. Tables 4, 5 and 6 provide grade level histories of enrollments from the past several decades as well as projected enrollments for 2013-14 to 2017-18.

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

ENROLLMENT TRENDS 1972-73 TO 2017-18



Elementary Projections

Elementary enrollment is expected to increase from 5,790 students to 5,851 students next year, an increase of 61 students. The number of kindergarten students is expected to increase by 28 students to 962, making next year's class the largest since 1973-74. Enrollment projections are dependent on current student counts and trends from past years. For the current year, there has been an increase of 103 elementary school students; since 2003-04, the population has grown by a total of 852 students, or 17%. Today's fifth grade class of 1,021 students is the highest population of Grade 5 since 1978 when enrollment was 1,055 students. Kindergarten enrollment is the highest in decades at 934 students; the average size of the kindergarten classes over the last three years is 908 students. Please refer to Section II for an explanation of the kindergarten projection methodology.

Refer to Section IV, Individual School Reports, for the elementary school projections by grade and by school and other enrollment details. Note that enrollments at twelve of the fifteen elementary schools are expected to increase over the next five years; the largest increases are projected at Zervas (+53 students, or +16%), Burr (+46 students, or +11%), Bowen (+36 students, 8%) and Angier (+32 students, or +8%). Two elementary school districts are projected to decrease in population during this time period: Countryside (-32 students, or -7%) and Peirce (-14 students, or -4%).

Countryside is expected to decrease in population in part due to the Angier-Countryside buffer zone, instituted in 2011-12; although the majority of students in this buffer zone attend Countryside, the strategy has been useful in keeping Countryside below 500 students. The use of buffer zones is an effective way to ameliorate space constraints at the elementary schools; creating additional buffer zones will result in more flexibility in student placement. The Student Placement Policy Task Force, formed in May 2010, recommended that that choice zones be renamed buffer zones with the school administration making the determination of space availability for requests between the schools in the district. Once a student from a buffer zone is placed in a school, he/she will follow the same feeder pattern as his/her peers in that school. Appendix B, Table 6 lists student enrollment in buffer zones by school for this school year and last.

Secondary Projections

As expected, middle school enrollment is up by 52 students in 2012-13 and is projected to increase next year by 113 additional students, an increase of 4%. Over the next five years, middle school enrollment will likely grow by an additional 201 students, to 2,920 students versus 2,719 students today. High school enrollment is expected to increase for the next five years as the larger elementary and middle school populations move to high school; by 2017-18, a net increase of 406 high school students is expected. Today's fifth grade class of 1,021 students will enter ninth grade in 2016-17 with a projection of 1,051 students. Both high schools will increase steadily over the next five years; enrollment projections show Newton North High School will increase by 241 students, or +12% and Newton South High School will increase by 165 students, or +10%. Secondary data showing past, present and projected enrollments are presented in Table 6.

National, State and Local Trends

Though the U.S. Census Bureau continues to rank Massachusetts very low in expected school age population growth from 2000-2030, Newton's enrollment projections are *not* typical of Massachusetts; enrollment in the Newton Public Schools continues to increase.

Since the prior 2000 United States Census was taken, 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 increased since last year at three of the four complexes. Newly added to the table is Woodland Park on Grove Street; this residence is located directly across the street from the proposed Riverside Station transit-oriented development. Woodland Park consists of 126 rental apartments including 80 two-bedroom units, 30 one-bedroom units and 16 studios. Currently, there are 50 students living in the complex who attend Newton Public Schools and one student who attends private school. The Riverside proposal from developer BH Normandy Riverside LLC is under review and is in the City's special permit process. Based on the *proposed* number and mix of units, most of which are one-bedroom apartments, preliminary enrollment projections based on experience ratios from other complexes in Newton indicate approximately 45 students may attend public school.

Both Avalon residential communities have increased in student population for the third year. Avalon at Newton Highlands, a 294-unit apartment complex opened in 2003, is fully rented with a population of 101 students enrolled in the Newton Public Schools this year versus 85 students last school year and 74 students in the year prior. Avalon at Chestnut Hill, a 204-unit apartment complex opened in 2006, is 100% leased with 78 students from the development enrolled in the Newton Public Schools. In November, 2011, there were 73 students enrolled in Newton Public Schools versus 66 students in the prior year. Seventeen and eleven private school students live at Avalon at Newton Highlands and Avalon at Chestnut Hill, respectively.

Arborpoint at Woodland Station, a transit-oriented 180-unit rental complex, opened in 2007. As of November 2012, the complex is fully leased. Currently, there are 50 students from the development enrolled in the Newton Public Schools as compared to 41 students one year ago and 40 students in November 2010.

¹ United States Census Bureau, Census 2010

Enrollment at Four Largest Rental Housing Complexes					
School	Avalon at Newton Highlands	Avalon at Chestnut Hill	Arborpoint at Woodland Station	Woodland Park at 264- 290 Grove Street	Total
Angier	17				17
Bowen		1			1
Countryside	34				34
Mason-Rice		1			1
Memorial-Spaulding	3	48			51
Peirce			17		17
Underwood	1				1
Williams			14	37	51
Subtotal Elementary School	55	50	31	37	173
Bigelow	1				1
Brown	15		2	8	25
Day	1		3	1	5
Oak Hill	1	12	1		14
Subtotal Middle School	18	12	6	9	45
Newton North	1	1	10		12
Newton South	27	15	3	4	49
Subtotal High School	28	16	13	4	61
Total	101	78	50	50	279
Total in Prior Year (2011-12)	85	73	41	50	249
Increase from Prior Year	16	5	9	0	30

Three small properties are under construction at 112-116 Dedham Street, 87-89 Waban Ave and 37 Elm Street, with four units each. There are two projects that have recently reached the permit stage – thirteen units at 429 Cherry Street and four units at 111 Elm Street. Two projects have not yet been permitted including 152 Adam Street with 9 proposed units and 9 Ripley Street with 4 proposed units. The city is considering reuse of two properties including the Austin Street Parking lot and the former Parks & Recreation building on Crescent Street. A Joint Advisory Planning Group is in the process of submitting recommendations to the Mayor and the Board of Aldermen on possible housing units for these sites.

Real Estate Sales

According to data obtained from City of Newton records, there were 972 residential property sales in calendar year 2011. In contrast, property sales were 1,292 in 2005, a difference of 320 sales, or 25%. (See Appendix D, Table 9.) Through the first eight months of 2012, real estate sales totaled 802 versus 667 for the same period one year ago. Appendix D, Table 9 shows the data by school district, making clear the differences in total property sales by neighborhood. Census statistics on owners versus renters indicate the homeownership rate for households in Newton was 70% in 2010 versus 64% statewide and that 40% of housing units in Newton are in multi-unit structures as compared to 41% statewide. Additional information is provided in Table 8 of Appendix D with properties listed for sale by school district in Newton as of October 2012; there are 33% fewer properties listed for sale in Newton this year versus last.

**TABLE 1
PROJECTED ENROLLMENTS BY SCHOOL
FY14-FY18**

School	Spec. Ed.*	Actual FY13	Projections Using 5 Year Average Ratios**				
			FY14	FY15	FY16	FY17	FY18
Angier		408	419	421	435	438	440
Bowen		477	481	485	493	501	513
Burr		415	433	440	447	457	461
Cabot		420	426	431	434	429	442
Countryside		479	471	474	463	446	447
Franklin	(12)	396	398	406	400	422	418
Horace Mann		394	409	411	421	425	412
Lincoln-Eliot		322	329	343	350	342	346
Mason-Rice		438	430	437	435	441	448
Memorial-Spaulding		464	470	472	483	483	480
Peirce		337	321	324	326	332	323
Underwood	(2)	310	311	318	312	315	320
Ward		301	297	307	312	321	322
Williams		304	310	312	294	294	298
Zervas		325	346	354	370	357	378
TOTAL ELEMENTARY	(14)	5,790	5,851	5,935	5,975	6,003	6,048
Bigelow		531	582	576	602	594	617
Brown	(8)	698	729	733	765	758	751
Day		874	894	872	887	857	902
Oak Hill		616	627	638	628	650	650
TOTAL MIDDLE	(8)	2,719	2,832	2,819	2,882	2,859	2,920
Newton North	(79)	1,940	1,998	2,040	2,089	2,171	2,181
Newton South	(23)	1,721	1,759	1,800	1,829	1,869	1,886
TOTAL HIGH SCHOOL	(102)	3,661	3,757	3,840	3,918	4,040	4,067
GRAND TOTAL	(124)	12,170	12,440	12,594	12,775	12,902	13,035

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

**Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TABLE 1B

Newton Public Schools
Enrollment History and Projections by School
1973 to 2017

Table with columns: School Name, Peak Year, Peak Enroll, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994. Rows include schools like Angier, Bowen, Burr, Cabot, Carr, Claflin, Countryside, Davis, Emerson, Franklin, Hamilton, Horace Mann, Hyde, Lincoln-Eliot, Mason-Rice, Memorial, Memorial-Spaulding, Oak Hill Elementary, Peirce, Spaulding, Underwood, Ward, Williams, Zervas, Total Middle School, Total High School, Grand Total, and % Change.

* 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 1B

Newton Public Schools
Enrollment History and Projections by School
1973 to 2017

School Name	Peak Enroll	Peak Year	Enrollment																	Projected					
			1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Angier	752	1953	430	436	423	433	412	418	412	396	371	363	370	379	401	392	389	375	395	408	419	421	435	438	440
Bowen	454	2009	421	410	409	390	377	383	351	336	335	375	386	413	428	435	454	449	448	477	481	485	493	501	513
Burr	496	1967	287	292	273	256	278	270	294	300	303	314	314	333	331	369	379	391	409	415	433	440	447	457	461
Cabot	539	1967	420	417	412	393	385	362	390	352	353	357	391	420	424	425	449	452	440	420	426	432	434	429	442
Carr	401	1963																							
Clafin	420	1960	446	449	469	493	499	482	453	455	446	448	463	437	447	479	472	499	490	479	471	474	463	446	447
Countryside	557	1959																							
Davis	352	1961																							
Emerson	345	1955																							
Franklin	601	1961	346	366	379	407	389	390	398	384	397	386	385	414	401	396	402	397	401	396	398	406	400	422	418
Hamilton	222	1960	294	282	273	297	301	303	313	330	333	337	344	350	348	370	371	373	386	394	409	411	421	425	412
Horace Mann	386	2011																							
Hyde	669	1952	333	345	321	325	285	281	252	220	242	229	282	281	293	284	291	293	317	322	329	343	350	342	346
Lincoln-Eliot	435	1970	405	397	395	412	393	364	369	364	352	365	372	372	410	422	428	442	437	438	430	437	435	441	448
Mason-Rice	620	1962																							
Memorial	536	1953	477	454	452	448	462	452	417	440	447	427	419	443	449	442	438	459	458	464	470	472	483	483	480
Memorial-Spaulding	486	1992																							
Oak Hill Elementary	450	1962	259	250	281	282	271	281	270	271	271	286	306	324	329	338	329	318	316	337	321	324	326	332	323
Peirce	429	1960																							
Spaulding	587	1961	283	285	282	267	278	264	276	294	276	275	264	288	295	282	262	282	289	310	311	318	312	315	320
Underwood	582	1970	366	360	335	319	343	325	304	281	274	262	262	237	247	260	260	269	278	301	297	307	312	321	322
Ward	506	1971	254	288	269	260	258	241	257	260	254	264	275	295	281	276	277	298	302	304	310	312	294	294	298
Williams	375	1969	288	287	287	311	281	281	276	287	284	287	300	332	324	328	326	349	321	325	346	354	370	357	378
Zervusa (formerly Beethoven)	350	1964																							
Peabody (SPED)																									
Total Elem			5,309	5,318	5,260	5,293	5,212	5,097	5,002	4,970	4,938	4,975	5,133	5,318	5,408	5,498	5,527	5,646	5,687	5,790	5,851	5,935	5,975	6,003	6,048
<i>Change</i>			-54	9	-58	33	-81	-115	-95	-32	37	158	185	90	29	119	41	103	61	84	40	28	40	28	45
<i>% Change</i>			-1.0%	0.2%	-1.1%	0.6%	-1.5%	-2.2%	-1.9%	-0.6%	0.7%	3.2%	3.6%	1.7%	0.5%	2.2%	0.7%	1.8%	1.1%	1.4%	0.7%	0.5%	0.7%	0.5%	0.7%
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	590	612	522	483	446	465	477	513	520	510	496	495	487	505	527	523	533	531	582	576	602	594	617
Brown (formerly Meadowbrook)	1,024	1964	945	974	645	749	771	752	735	756	770	787	705	665	644	681	684	666	677	698	729	733	765	758	751
Day	856	1996	808	856	823	804	804	835	855	822	785	758	768	747	764	747	773	758	845	874	894	872	887	857	902
Oak Hill Middle	621	2001																							
Warren	1,270	1969	572	578	619	621	597	598	565	565	567	558	567	558	547	572	603	612	616	627	638	628	650	650	
Weeks	1,033	1960																							
Total Middle School			2,343	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	2,832	2,819	2,882	2,859	2,920
<i>Change</i>			42	99	120	52	26	32	16	0	-15	-53	-86	-60	-21	27	76	-6	117	52	113	-13	63	-23	61
<i>% Change</i>			1.8%	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%	4.2%	-0.5%	2.2%	-0.8%	2.1%
Total # Middle Schools			3	3	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	1,808	1,867	1,911	2,019	2,123	2,144	2,190	2,219	2,169	2,121	2,047	1,964	1,911	1,829	1,802	1,871	1,877	1,940	1,998	2,040	2,089	2,171	2,181
South	1,784	2007	1,220	1,223	1,211	1,240	1,273	1,333	1,370	1,399	1,487	1,552	1,701	1,745	1,784	1,763	1,722	1,708	1,691	1,721	1,759	1,800	1,829	1,869	1,886
Total High School			3,028	3,090	3,122	3,259	3,396	3,477	3,560	3,618	3,656	3,673	3,748	3,709	3,695	3,592	3,524	3,579	3,568	3,661	3,757	3,840	3,918	4,040	4,067
<i>Change</i>			121	62	32	137	137	81	83	58	38	17	75	-39	-14	-103	-68	55	-11	93	96	83	78	122	27
<i>% Change</i>			4.2%	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%	2.6%	2.2%	2.0%	3.1%	0.7%
Grand Total			10,680	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	12,440	12,594	12,775	12,902	13,035
<i>Change</i>			109	170	94	222	82	-2	4	26	-9	1	147	86	55	14	37	168	147	248	270	154	181	127	133
<i>% Change</i>			1.0%	1.6%	0.9%	2.0%	0.7%	0.0%	0.0%	0.2%	-0.1%	0.0%	1.3%	0.8%	0.5%	0.1%	0.3%	1.4%	1.2%	2.1%	2.2%	1.2%	1.4%	1.0%	1.0%

* Between 1977-78 through 1986-87, 8 Elementary and 3 Middle Schools were either closed or consolidated.
 ** In 1983, all 9th grade students were moved from the Middle Schools to the High Schools.
 *** In 1993, all 6th grade students were moved from Elementary Schools to Middle Schools. Bigelow Middle School was reopened.

**TABLE 2
PROJECTED ENROLLMENTS BY GRADE
FY14-FY18**

Grade	Actual FY13	Projections Using 5 Year Average Ratios**				
		FY14	FY15	FY16	FY17	FY18
K	934	962	904	916	915	928
1	936	984	1,019	955	970	967
2	966	965	1,016	1,045	991	998
3	981	992	983	1,041	1,065	1,008
4	938	994	1,004	997	1,051	1,080
5	1021	940	995	1,007	997	1,053
Spec. Ed.*	14	14	14	14	14	14
TOTAL ELEMENTARY	5,790	5,851	5,935	5,975	6,003	6,048
Diff. from Previous Year		61	84	40	28	45
% Change		1.1%	1.4%	0.7%	0.5%	0.7%
6	900	993	910	963	972	970
7	922	904	996	913	965	975
8	889	927	905	998	914	967
Spec. Ed.*	8	8	8	8	8	8
TOTAL MIDDLE	2,719	2,832	2,819	2,882	2,859	2,920
Diff. from Previous Year		113	-13	63	-23	61
% Change		4.2%	-0.5%	2.2%	-0.8%	2.1%
9	931	938	977	955	1051	965
10	886	940	947	987	966	1061
11	897	884	936	943	983	962
12	845	893	878	931	938	977
Spec. Ed. & Post-grads.*	102	102	102	102	102	102
TOTAL SR. HIGH	3,661	3,757	3,840	3,918	4,040	4,067
Diff. from Previous Year		96	83	78	122	27
% change		2.6%	2.2%	2.0%	3.1%	0.7%
GRAND TOTAL	12,170	12,440	12,594	12,775	12,902	13,035
Diff. from Previous Year		270	154	181	127	133
% Change		2.2%	1.2%	1.4%	1.0%	1.0%

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

**Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TABLE 2B

**Newton Public Schools
Enrollment History and Projections by Grade
1973 to 2017**

Grade	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1994
K	988	998	946	843	750	681	635	612	628	584	647	673	687	726	730	744	827	809	827	874	906	874	874
1	1,088	1,067	1,088	1,009	873	804	723	702	652	650	617	688	712	734	749	738	773	851	845	865	865	921	946
2	1,094	1,089	1,078	1,069	1,010	892	812	755	678	649	618	610	692	692	725	738	755	776	851	845	879	918	918
3	1,168	1,091	1,114	1,080	1,042	1,022	878	819	746	676	667	659	610	680	693	734	770	767	775	859	870	882	882
4	1,286	1,172	1,116	1,103	1,073	1,019	1,002	877	797	739	661	649	642	594	677	705	730	782	763	775	850	869	869
5	1,293	1,296	1,191	1,101	1,089	1,055	1,005	1,000	862	774	699	650	634	635	592	678	698	739	772	757	748	838	838
SPED	91	83	76	56	54	54	56	40	36	44	45	44	47	60	59	65	70	69	64	60	42	36	36
Total K-5	6,988	6,806	6,609	6,261	5,891	5,527	5,111	4,805	4,399	4,116	3,984	3,973	4,024	4,121	4,225	4,417	4,623	4,793	4,897	5,035	5,216	5,363	5,363
Change	-210	-182	-197	-348	-370	-364	-416	-306	-406	-283	-132	-11	51	97	104	192	206	170	104	138	181	147	147
% Change	-2.9%	-2.6%	-2.9%	-5.3%	-5.9%	-6.2%	-7.5%	-6.0%	-8.4%	-6.4%	-3.2%	-0.3%	1.3%	2.4%	2.5%	4.5%	4.7%	3.7%	2.2%	2.8%	3.6%	2.8%	2.8%
6	1,255	1,271	1,289	1,194	1,102	1,092	1,033	985	960	832	765	689	638	614	626	590	674	710	750	770	746	746	752
7	1,244	1,230	1,254	1,267	1,150	1,053	1,024	982	928	884	787	739	650	610	589	625	599	665	692	717	742	754	754
8	1,321	1,246	1,215	1,269	1,258	1,131	1,053	1,011	958	934	884	786	737	641	613	580	634	614	677	707	728	757	757
SPED	21	22	19	19	13	12	10	5	11	14	21	29	32	28	30	32	25	26	31	35	62	38	38
Total 6-8	3,841	3,769	3,777	3,749	3,523	3,288	3,120	2,983	2,857	2,664	2,457	2,243	2,057	1,893	1,858	1,827	1,932	2,015	2,150	2,229	2,278	2,301	2,301
Change	-130	-72	8	-28	-226	-235	-168	-137	-126	-193	-207	-214	-186	-164	-35	-31	105	83	135	79	49	23	23
% Change	-3.3%	-1.9%	0.2%	-0.7%	-6.0%	-6.7%	-5.1%	-4.4%	-4.2%	-6.8%	-7.8%	-8.7%	-8.3%	-8.0%	-1.8%	-1.7%	5.7%	4.3%	6.7%	3.7%	2.2%	1.0%	1.0%
9	1,350	1,320	1,239	1,191	1,245	1,205	1,103	1,013	989	966	980	898	801	763	700	658	607	666	645	689	734	774	774
10	1,442	1,423	1,366	1,273	1,224	1,271	1,225	1,126	1,020	1,000	907	964	931	826	753	686	654	615	692	670	709	706	706
11	1,467	1,398	1,418	1,331	1,295	1,213	1,260	1,210	1,094	1,013	1,001	916	902	863	788	739	676	656	617	684	687	659	659
12	1,447	1,388	1,384	1,392	1,331	1,276	1,192	1,232	1,219	1,082	1,009	987	910	908	849	753	720	675	658	629	675	656	656
SPED	11	48	49	45	46	39	39	57	57	57	73	73	75	61	67	62	64	68	69	74	61	112	112
Total 9-12	5,717	5,577	5,456	5,232	5,141	5,004	4,819	4,638	4,379	4,118	3,970	3,838	3,619	3,421	3,157	2,898	2,721	2,680	2,681	2,746	2,866	2,907	2,907
Change	-143	-140	-121	-224	-91	-137	-185	-181	-259	-261	-148	-132	-219	-198	-264	-259	-177	-41	1	65	120	41	41
% Change	-2.4%	-2.4%	-2.2%	-4.1%	-1.7%	-2.7%	-3.7%	-3.8%	-5.6%	-6.0%	-3.6%	-3.3%	-5.7%	-5.5%	-7.7%	-8.2%	-6.1%	-1.5%	0.0%	2.4%	4.4%	1.4%	1.4%
Grand Total	16,546	16,152	15,842	15,242	14,555	13,819	13,050	12,426	11,635	10,898	10,411	10,054	9,700	9,435	9,240	9,142	9,276	9,488	9,728	10,010	10,360	10,571	10,571
Change	-483	-394	-310	-600	-687	-736	-769	-624	-791	-737	-487	-357	-354	-265	-195	-98	134	212	240	282	350	211	211
% Change	-2.8%	-2.4%	-1.9%	-3.8%	-4.5%	-5.1%	-5.6%	-4.8%	-6.4%	-6.3%	-4.5%	-3.4%	-3.5%	-2.7%	-2.1%	-1.1%	1.5%	2.3%	2.9%	3.5%	3.5%	2.0%	2.0%

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

TABLE 2B

**Newton Public Schools
Enrollment History and Projections by Grade
1973 to 2017**

Grade	1973 to 2017																	Projected					
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
K	837	870	808	841	787	736	766	792	796	805	867	887	868	830	862	896	895	934	962	904	916	915	928
1	904	871	887	850	866	866	749	805	837	856	916	926	950	926	877	926	940	936	984	1,019	955	970	967
2	920	887	873	898	867	857	811	795	828	836	868	895	924	989	908	956	966	965	1,016	1,045	991	998	998
3	895	925	878	874	901	889	849	815	818	831	860	896	892	931	1,007	923	923	981	992	983	1,041	1,065	1,008
4	876	886	923	876	887	901	896	855	817	819	847	859	897	908	967	932	1,017	938	994	1,004	997	1,051	1,080
5	848	854	873	938	885	894	916	894	832	811	820	851	858	905	884	960	937	1,021	940	995	1,007	997	1,053
SPED	29	25	18	16	19	16	15	14	10	17	18	14	17	19	17	17	19	14	14	14	14	14	14
Total K-5	5,309	5,318	5,260	5,293	5,212	5,097	5,002	4,970	4,938	4,975	5,133	5,318	5,408	5,498	5,527	5,646	5,687	5,790	5,851	5,935	5,975	6,003	6,048
Change	-54	9	-58	33	-81	-115	-95	-32	-32	37	158	185	90	90	29	119	41	103	61	84	40	28	45
% Change	-1.0%	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%	1.1%	1.4%	0.7%	0.5%	0.7%
6	825	833	838	846	911	869	858	916	895	829	804	824	828	829	877	863	922	900	993	910	963	972	970
7	729	822	836	840	843	930	881	875	902	889	836	810	825	836	826	863	875	922	904	996	913	965	975
8	754	742	828	864	846	851	923	884	867	898	892	837	797	809	848	817	866	889	927	905	998	914	967
SPED	35	45	60	64	40	22	26	13	9	4	2	3	3	6	5	7	4	8	8	8	8	8	8
Total 6-8	2,343	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	2,832	2,819	2,882	2,859	2,920
Change	42	99	120	52	26	32	16	0	-15	-53	-86	-60	-21	27	76	-6	117	52	113	-13	63	-23	61
% Change	1.8%	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%	4.2%	-0.5%	2.2%	-0.8%	2.1%
9	773	749	776	869	918	872	868	925	899	892	919	905	877	821	835	904	875	931	938	977	955	1,051	965
10	766	762	748	790	875	888	872	865	933	899	906	911	912	868	846	850	896	886	940	947	987	966	1,061
11	707	759	752	765	755	867	877	887	863	925	898	927	927	902	862	843	843	897	884	936	943	983	962
12	672	695	754	756	772	765	864	855	890	860	917	882	914	918	879	879	830	845	893	878	931	938	977
SPED	110	125	92	79	76	85	79	86	71	97	108	84	65	83	102	103	124	102	102	102	102	102	102
Total 9-12	3,028	3,090	3,122	3,259	3,396	3,477	3,560	3,618	3,656	3,673	3,748	3,709	3,695	3,592	3,524	3,579	3,568	3,661	3,757	3,840	3,918	4,040	4,067
Change	121	62	32	137	137	81	83	58	38	17	75	-39	-14	-103	-68	55	-11	93	96	83	78	122	27
% Change	4.2%	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%	2.6%	2.2%	2.0%	3.1%	0.7%
Grand Total	10,680	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	12,440	12,594	12,775	12,902	13,035
Change	109	170	94	222	82	-2	4	26	-9	1	147	86	55	14	37	168	147	248	270	154	181	127	133
% Change	1.0%	1.6%	0.9%	2.0%	0.7%	0.0%	0.0%	0.2%	-0.1%	0.0%	1.3%	0.8%	0.5%	0.1%	0.3%	1.4%	1.2%	2.1%	2.2%	1.2%	1.4%	1.0%	1.0%

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

**TABLE 3
COMPARISON OF ACTUAL AND PROJECTED 5 YEAR ENROLLMENT CHANGE
2007-08 TO 2012-13 AND 2012-13 TO 2017-18**

School	2007-08 Enrollment	2012-13 Enrollment	Change	% Change	2012-13 Enrollment	2017-18 Enrollment	Change	% Change
Angier	401	408	7	1.7%	408	440	32	7.8%
Bowen	428	477	49	11.4%	477	513	36	7.5%
Burr	331	415	84	25.4%	415	461	46	11.1%
Cabot	424	420	-4	-0.9%	420	442	22	5.2%
Countryside	447	479	32	7.2%	479	447	-32	-6.7%
Franklin	401	396	-5	-1.2%	396	418	22	5.6%
Horace Mann	348	394	46	13.2%	394	412	18	4.6%
Lincoln-Eliot	293	322	29	9.9%	322	346	24	7.5%
Mason-Rice	410	438	28	6.8%	438	448	10	2.3%
Memorial-Spaulding	449	464	15	3.3%	464	480	16	3.4%
Peirce	329	337	8	2.4%	337	323	-14	-4.2%
Underwood	295	310	15	5.1%	310	320	10	3.2%
Ward	247	301	54	21.9%	301	322	21	7.0%
Williams	281	304	23	8.2%	304	298	-6	-2.0%
Zervas	324	325	1	0.3%	325	378	53	16.3%
TOTAL ELEMENTARY	5,408	5,790	382	7.1%	5,790	6,048	258	4.5%
Bigelow	487	531	44	9.0%	531	617	86	16.2%
Brown	644	698	54	8.4%	698	751	53	7.6%
Day	764	874	110	14.4%	874	902	28	3.2%
Oak Hill	558	616	58	10.4%	616	650	34	5.5%
TOTAL MIDDLE	2,453	2,719	266	10.8%	2,719	2,920	201	7.4%
Newton North	1,911	1,940	29	1.5%	1,940	2,181	241	12.4%
Newton South	1,784	1,721	-63	-3.5%	1,721	1,886	165	9.6%
TOTAL HIGH SCHOOL	3,695	3,661	-34	-0.9%	3,661	4,067	406	11.1%
TOTAL ENROLLMENT	11,556	12,170	614	5.3%	12,170	13,035	865	7.1%

TABLE 3B
PERCENT OF CHANGE BY GRADE SPAN
2006-2007 TO 2017-2018

Year	Grades K-5		Grades 6-8		Grades 9-12		System-Wide	
	Total	% Change	Total	% Change	Total	% Change	Total	% Change
2006-2007	5,318	3.5%	2,474	-0.6%	3,709	1.1%	11,501	1.2%
2007-2008	5,408	1.7%	2,453	-0.8%	3,695	-0.4%	11,556	0.5%
2008-2009	5,498	1.7%	2,480	1.1%	3,592	-2.8%	11,570	0.1%
2009-2010	5,527	0.5%	2,556	3.1%	3,524	-1.9%	11,607	0.3%
2010-2011	5,646	2.2%	2,550	-0.2%	3,579	1.6%	11,775	1.4%
2011-2012	5,687	0.7%	2,667	4.6%	3,568	-0.3%	11,922	1.2%
2012-2013	5,790	1.8%	2,719	1.9%	3,661	2.6%	12,170	2.1%
2013-2014	5,851	1.1%	2,832	4.2%	3,757	2.6%	12,440	2.2%
2014-2015	5,935	1.4%	2,819	-0.5%	3,840	2.2%	12,594	1.2%
2015-2016	5,975	0.7%	2,882	2.2%	3,918	2.0%	12,775	1.4%
2016-2017	6,003	0.5%	2,859	-0.8%	4,040	3.1%	12,902	1.0%
2017-2018	6,048	0.7%	2,920	2.1%	4,067	0.7%	13,035	1.0%
% Change 2006-2007 to 2017-2018		13.7%		18.0%		9.7%		13.3%
% Change 2006-2007 to 2012-2013		8.9%		9.9%		-1.3%		5.8%
% Change 2012-2013 to 2017-2018		4.5%		7.4%		11.1%		7.1%

TABLE 4			
ACTUAL SYSTEM ENROLLMENT CHANGE 1974-2012			
Year	Enrollment	Difference from Previous Year	% Change
1967	18,424		
1974	16,152		
1975	15,842	-310	-1.9%
1976	15,242	-600	-3.8%
1977	14,555	-687	-4.5%
1978	13,819	-736	-5.1%
1979	13,050	-769	-5.6%
1980	12,426	-624	-4.8%
1981	11,635	-791	-6.4%
1982	10,898	-737	-6.3%
1983	10,411	-487	-4.5%
1984	10,054	-357	-3.4%
1985	9,700	-354	-3.5%
1986	9,435	-265	-2.7%
1987	9,240	-195	-2.1%
1988	9,142	-98	-1.1%
1989	9,276	+134	+1.5%
1990	9,488	+212	+2.3%
1991	9,728	+240	+2.5%
1992	10,010	+282	+2.9%
1993	10,360	+350	+3.5%
1994	10,571	+211	+2.0%
1995	10,680	+109	+1.0%
1996	10,850	+170	+1.6%
1997	10,944	+94	+0.9%
1998	11,166	+222	+2.0%
1999	11,248	+82	+0.7%
2000	11,246	-2	+0.0%
2001	11,250	+4	+0.0%
2002	11,276	+26	+0.2%
2003	11,267	-9	-0.1%
2004	11,268	+1	0.0%
2005	11,415	+147	1.3%
2006	11,501	+86	0.8%
2007	11,556	+55	0.5%
2008	11,570	+14	0.1%
2009	11,607	+37	0.3%
2010	11,775	+168	1.4%
2011	11,922	+147	1.2%
2012	12,170	+248	2.1%
PROJECTED			
2013	12,440	+270	+2.2%
2014	12,594	+154	+1.2%
2015	12,775	+181	+1.4%
2016	12,902	+127	+1.0%
2017	13,035	+133	+1.0%

Note: Peak enrollment year is in bold

TABLE 5
ACTUAL ELEMENTARY SCHOOL ENROLLMENT CHANGE 1980-2012

Year	Enrollment	Difference from Previous Year	% Change
1961	10,010		
1980	5,790		
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%
PROJECTED			
2013	5,851	+61	+1.1%
2014	5,935	+84	+1.4%
2015	5,975	+40	+0.7%
2016	6,003	+28	+0.5%
2017	6,048	+45	+0.7%

Note: Peak enrollment year is in bold

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

TABLE 6
SECONDARY ENROLLMENT CHANGE FOR GRADES 7-12 THROUGH 1992-93
AND GRADES 6-12 FROM 1993-94 THROUGH 2017-18
ACTUAL 1982-2012

Year	Enrollment		Difference from Previous Year	% Change	
1982	5,950		-326	-5.2%	
1983	5,662		-288	-4.8%	
1984	5,392		-270	-4.8%	
1985	5,038		-354	-6.6%	
1986	4,700		-338	-6.7%	
1987	4,389		-311	-6.6%	
1988	4,135		-254	-5.8%	
1989	3,979		-156	-3.8%	
1990	3,985		+6	+0.2%	
1991	4,081		+96	+2.4%	
1992	4,205		+124	+3.0%	
1993*	5,144		+939	+22.3%	
1994	5,208		+64	+1.2%	
1995	5,371		+163	+3.1%	
1996	5,532		+161	+3.0%	
1997	5,684		+152	+2.7%	
1998	5,873		+189	+3.3%	
1999	6,036		+163	+2.8%	
2000	6,149		+113	+1.9%	
2001	6,248		+99	+1.6%	
2002	6,306		+58	+0.9%	
2003	6,329		+23	+0.4%	
2004	6,293		-36	-0.6%	
2005	6,282		-11	-0.2%	
2006	6,183		-99	-1.6%	
2007	6,148		-35	-0.6%	
2008	6,072		-76	-1.2%	
2009	6,080		+8	+0.1%	
2010	6,129		+49	+0.8%	
2011	6,235		+106	+1.7%	
2012	6,380		+145	+2.3%	
Projections					
Year	Grades 6-8	Grades 9-12	Total Enrollment	Difference from Previous Year	% Change
2013	2,832	3,757	6,589	+209	+3.3%
2014	2,819	3,840	6,659	+70	+1.1%
2015	2,882	3,918	6,800	+141	+2.1%
2016	2,859	4,040	6,899	+99	+1.5%
2017	2,920	4,067	6,987	+88	+1.3%

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

II. ENROLLMENT PROJECTION METHOD

Kindergarten Projection Methodology

Accuracy of Projections

NESDEC Comparison

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, 2012 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 5-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, a 5-year cohort survival ratio for Grades 1 through 12 is used in this projection. Three and five-year ratios are used for kindergarten this year as explained later in this section.

A cohort is defined as a group of students of a specific age or grade level who are at a specific school or are all going to the same school in the next year. Non-resident students are not included in the base for the cohort calculation. These students are added to the total after the calculation. Next year's 6th graders at Bigelow Middle School, for example, are made up of the 5th grade cohorts from Lincoln-Eliot, Underwood and Ward and approximately half of Cabot, as Cabot is split between Bigelow and Day. The five-year average cohort survival ratio for schools entering Bigelow is 1.05. There are 196 resident students in the group described above. The cohort calculation therefore yields 206 (196 x 1.05) students. Thirteen non-resident students are added to this total, resulting in the final projection of 219 students for students entering the 6th grade at Bigelow 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.

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

Kindergarten Projection Methodology

The following chart includes the highest kindergarten populations of the past forty years going back to 1971-72 when the kindergarten class had 1,063 students. The 2012-13 school year has the sixth largest kindergarten class of the past forty years, with 934 students. The current kindergarten population exceeds the average size of past kindergarten classes using forty, twenty, five and three year averages. The kindergarten projection for next school year of 962 students indicates growth of 28 students as compared to the current year.

Highest Kindergarten Populations of Past 40 Years	
(In Size Order)	
Time Period	Number of K Students
1971-72	1,063
1972-73	1,010
1974-75	998
1973-74	968
1975-76	946
2012-13	934
1993-94	906
2010-11	896
2011-12	895
40 year average	801
20 year average	843
5 year average	883
3 year average	908

This year, city census data for children age 4 was atypically low, yielding a low kindergarten projection of 898 students in 2013-14. Using the cohort survival ratio based on children age 3 resulted in a more reasonable kindergarten projection. Thus, next year's kindergarten projection of 962 students is calculated using a three-year average of the ratio of children age 3 to the kindergarten population two years later using city census data for the number of 3 year olds living in each district. This year, an adjustment factor of +1 student is added to the kindergarten projection for all fifteen schools to take into account recent growth not fully captured in the traditional cohort survival ratio. To project kindergarten enrollment in future years, a five-year average of previous kindergarten populations is used.

To illustrate this year's methodology, first, each school's population is projected using its particular survival ratios. For example, Lincoln-Eliot's three-year average cohort survival ratio of children age 3 entering kindergarten in two years is 1.42; there were 46 children of age 3 living in the Lincoln-Eliot School District last year, yielding 65 students (46 children times 1.42). Second, an adjustment factor for growth of plus one student is added, resulting in 66 students. Third, the addition of one non-resident student results in a final projection for Lincoln-Eliot of 67 kindergarten students in the 2013-14 school year.

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

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

Also of interest are the births to kindergarten ratios displayed in Table 7. Comparing each year's kindergarten number to the number of state recorded Newton births five years prior yields a births to kindergarten ratio. The ratio increased by 0.23 (+25%) from 2004 to 2012.

The current ratio of 1.15 contains a lower than average number of births as compared to the past seven years and yet has the highest kindergarten population five years hence indicating children are moving to Newton after birth.

TABLE 7									
Resident Births to Kindergarten Ratios									
Using State Data*									
	Births to Kindergarten Ratios								
Birth Year	1999	2000	2001	2002	2003	2004	2005	2006	2007
Birth	874	886	834	822	759	844	788	812	815
Kindergarten Year	2004	2005	2006	2007	2008	2009	2010	2011	2012
Kindergarten	805	867	887	868	830	862	896	895	934
Ratio	0.92	0.98	1.06	1.06	1.09	1.02	1.14	1.10	1.15

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

Accuracy of Projections

Several tables are included to show how accurately the projections match actual enrollment. Table 8 shows the projections for the current year (2012-13), subtotaled by elementary, middle and high school, as predicted one, two, and three years ago. Table 9 provides a one-page summary of last year's projections.

Table 10 provides school and grade detail comparing the 2012-13 enrollment to the projections made last year. Overall, the October 1, 2012 actual enrollment of 12,170 students is 56 students, or 0.5% more than projected in the November 2011 Enrollment Analysis Report. Middle school enrollments are the most accurate as compared to projections - within 9 students. The elementary schools are within 33 students, or 0.6% of projections, while the high schools are within 14 students, or 0.4% of projections. Individual school projections and enrollments vary by grade level. Projection variances for all grades ranged from +31 students in kindergarten to +2 student in Grade 11.

TABLE 8				
Projection History for 2012-13 (FY13)				
Date Projected	Elementary	Middle	High School	Total
Fall, 2009	5,555	2,765	3,596	11,916
Fall, 2010	5,701	2,725	3,621	12,047
Fall, 2011	5,757	2,710	3,647	12,114
Actual, October 2012	5,790	2,719	3,661	12,170

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 from 2013-14 through 2017-18 are relatively close to Newton's projections, as shown in Table 10 of Appendix E. The total variances by year between this report and NESDEC's projections are -60, -28, +33, +35 and +56, respectively, for 2013-14 through 2017-18. The kindergarten variances by year between this report and NESDEC's projections for the next five years are -31, +19, +50, +11 and +14.

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 (2016-17 and 2017-18) NESDEC uses estimated numbers of births for calendar year 2011 and 2012. NESDEC's kindergarten projection next year is 993 students, driven by the fact that there were 907 births to Newton residents in 2008. This is a higher number of births than in any of the past nine years which are shown in Table 7. As mentioned earlier, Newton's projection for next year's kindergarten population relies on city census data which does not show an increase similar to the 92 child spike in the birth data, from 815 births to Newton residents in 2007 to 907 in 2008.

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

**TABLE 9
COMPARISON OF OCTOBER, 2011 AND OCTOBER, 2012 ENROLLMENTS AND
COMPARISON OF PROJECTED WITH ACTUAL OCTOBER, 2012 ENROLLMENT**

SCHOOLS	October 2012 Actual By Grade										OCTOBER 2011 ACTUAL	Special Education Class	OCTOBER 2012 ACTUAL	DIFF. 2012-2011	% DIFF.	2012 Projected*	DIFF. ACTUAL/ PROJ.	% DIFF.
	K	1	2	3	4	5												
Angier	69	64	72	63	68	72						408	13	3.3%	409	-1	-0.2%	
Bowen	79	76	79	79	81	83						477	29	6.5%	455	22	4.8%	
Burr	65	69	67	74	70	70						415	6	1.5%	418	-3	-0.7%	
Cabot	73	62	75	71	68	71						420	-20	-4.5%	434	-14	-3.2%	
Countryside	69	70	82	89	78	91						479	-11	-2.2%	488	-9	-1.8%	
Franklin	63	73	48	69	57	74	12					396	-5	-1.2%	397	-1	-0.3%	
Horace Mann	65	84	64	61	67	53						394	8	2.1%	399	-5	-1.3%	
Lincoln-Eliot	48	57	64	48	45	60						322	5	1.6%	319	3	0.9%	
Mason-Rice	79	63	71	76	73	76						438	1	0.2%	448	-10	-2.2%	
Memorial-Spauldling	69	77	81	73	81	83						464	6	1.3%	458	6	1.3%	
Peirce	51	62	53	52	52	67						337	21	6.6%	319	18	5.6%	
Underwood	47	49	49	60	48	55						310	21	7.3%	285	25	8.8%	
Ward	47	50	46	51	47	60	2					301	23	8.3%	296	5	1.7%	
Williams	50	41	47	69	48	49						304	2	0.7%	302	2	0.7%	
Zervas	60	39	68	46	55	57						325	4	1.2%	330	-5	-1.5%	
SUB-TOTAL	934	936	966	981	938	1021	14					5,790	103	1.8%	5,757	33	0.6%	
SCHOOLS				6	7	8												
Bigelow				178	186	167						531	-2	-0.4%	524	7	1.3%	
Brown				233	230	227						698	21	3.1%	688	10	1.5%	
Day				279	306	289						874	29	3.4%	873	1	0.1%	
Oak Hill				210	200	206						616	4	0.7%	625	-9	-1.4%	
SUB-TOTAL				900	922	889	8					2,719	52	1.9%	2,710	9	0.3%	
SCHOOLS							Sp & PG**											
Newton North			9	10	11	12						1,940	63	3.4%	1,911	29	1.5%	
Newton South			484	450	490	437	79					1,721	30	1.8%	1,736	-15	-0.9%	
SUB-TOTAL			931	886	897	845	102					3,661	93	2.6%	3,647	14	0.4%	
GRAND TOTAL							124					12,170	248	2.1%	12,114	56	0.5%	

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

**North includes 79 students receiving Special Education services outside of the classroom for a significant amount of time.
South includes 23 students receiving Special Education services outside of the classroom for a significant amount of time.

**TABLE 10
ACTUAL AND PROJECTED ELEMENTARY ENROLLMENTS BY SCHOOL 2012-13**

Grade	Angier		Bowen		Burr		Cabot		Countryside	
	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13
K	69	68	79	79	65	75	73	58	69	65
1	64	66	76	68	69	70	62	68	70	64
2	72	79	79	72	67	66	75	82	82	90
3	63	62	79	77	74	74	71	78	89	92
4	68	65	81	75	70	64	68	75	78	83
5	72	69	83	84	70	69	71	73	91	94
Sp. Ed.	0	0	0	0	0	0	0	0	0	0
Total	408	409	477	455	415	418	420	434	479	488

Grade	Franklin		Horace Mann		Lincoln-Eliot		Mason-Rice		M-Spaulding	
	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13
K	63	62	65	73	48	46	79	72	69	70
1	73	75	84	82	57	58	63	68	77	73
2	48	47	64	65	64	59	71	77	81	77
3	69	69	61	58	48	53	76	76	73	75
4	57	56	67	67	45	42	73	74	81	80
5	74	69	53	54	60	61	76	81	83	83
Sp. Ed.	12	19	0	0	0	0	0	0	0	0
Total	396	397	394	399	322	319	438	448	464	458

Grade	Peirce		Underwood		Ward		Williams		Zervas	
	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13
K	51	49	47	40	47	42	50	45	60	59
1	62	61	49	49	50	50	41	50	39	43
2	53	49	49	48	46	49	47	47	68	67
3	52	49	60	52	51	47	69	63	46	45
4	52	47	48	47	47	50	48	50	55	55
5	67	64	55	49	60	58	49	47	57	61
Sp. Ed.	0	0	2	0	0	0	0	0	0	0
Total	337	319	310	285	301	296	304	302	325	330

Grade	TOTAL ELEM.		N Diff	% Diff.
	Actual 12/13	Proj. 12/13		
K	934	903	31	3.4%
1	936	945	-9	-1.0%
2	966	974	-8	-0.8%
3	981	970	11	1.1%
4	938	930	8	0.9%
5	1021	1016	5	0.5%
Sp. Ed.	14	19	-5	-26.3%
Total	5,790	5,757	33	0.6%

**TABLE 10 (CONT.)
ACTUAL AND PROJECTED SECONDARY ENROLLMENTS BY SCHOOL 2012-13**

Grade	Bigelow		Brown		Day		Oak Hill	
	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13
6	178	167	233	231	279	295	210	216
7	186	192	230	232	306	302	200	199
8	167	165	227	221	289	276	206	210
Sp. Ed.	0	0	8	4	0	0	0	0
Total	531	524	698	688	874	873	616	625

Grade	TOTAL MIDDLE		N Diff.	% Diff.
	Actual 12/13	Proj. 12/13		
6	900	909	-9	-1.0%
7	922	925	-3	-0.3%
8	889	872	17	1.9%
Sp. Ed.	8	4	4	100.0%
Total	2,719	2,710	9	0.3%

Grade	North		South		TOTAL HIGH		N Diff.	% Diff.
	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13	Actual 12/13	Proj. 12/13		
9	484	473	447	437	931	910	21	2.3%
10	450	443	436	440	886	883	3	0.3%
11	490	479	407	416	897	895	2	0.2%
12	437	431	408	404	845	835	10	1.2%
Sp. Ed. & PG	79	85	23	39	102	124	-22	-17.7%
Total	1,940	1,911	1,721	1,736	3,661	3,647	14	0.4%

Division	Actual 12/13	Proj. 12/13	N Diff.	% Diff.
Elementary	5,790	5,757	33	0.6%
Middle	2,719	2,710	9	0.3%
Sr. High	3,661	3,647	14	0.4%
Total	12,170	12,114	56	0.5%

TABLE 11
ACTUAL AND PROJECTED K-12 ENROLLMENTS 2006-07 TO 2017-18

Grade	Actual 06/07	Proj. 06/07	Actual 07/08	Proj. 07/08	Actual 08/09	Proj. 08/09	Actual 09/10	Proj. 09/10	Actual 10/11	Proj. 10/11	Actual 11/12	Proj. 11/12	Actual 12/13	Proj. 12/13	Actual 13/14	Proj. 13/14	Actual 14/15	Proj. 14/15	Actual 15/16	Proj. 15/16	Actual 16/17	Proj. 16/17	Actual 17/18	Proj. 17/18
K	887	818	868	939	830	844	862	802	896	848	895	900	934	903	962	904	904	916	916	915	915	928	928	
1	916	921	926	941	950	919	877	876	926	902	940	941	936	945	984	1019	1019	955	955	970	970	967	967	
2	895	871	950	945	924	963	989	967	908	904	956	949	966	974	965	1016	1016	1045	1045	991	991	998	998	
3	896	891	892	920	962	971	931	940	1007	1007	923	920	981	970	992	983	983	1041	1041	1065	1065	1008	1008	
4	859	872	897	909	908	901	967	972	932	941	1017	1012	938	930	994	1004	1004	997	997	1051	1051	1080	1080	
5	851	841	858	857	905	892	884	912	960	972	937	931	1021	1016	940	995	995	1007	1007	997	997	1053	1053	
Sp.Ed.	14	18	17	14	19	17	17	19	17	17	19	17	14	19	14	14	14	14	14	14	14	14	14	
Total	5,318	5,232	5,408	5,525	5,498	5,507	5,527	5,488	5,646	5,591	5,687	5,670	5,790	5,757	5,851	5,935	5,935	5,975	5,975	6,003	6,003	6,048	6,048	
6	824	817	828	859	829	854	877	895	863	870	922	940	900	909	993	910	910	963	963	972	972	970	970	
7	810	802	825	831	836	830	826	834	863	884	875	865	922	925	904	996	996	913	913	965	965	975	975	
8	837	835	797	816	809	823	848	833	817	826	866	859	889	872	927	905	905	998	998	914	914	967	967	
Sp.Ed.	3	2	3	3	6	3	5	6	7	5	4	7	8	4	8	8	8	8	8	8	8	8	8	
Total	2,474	2,456	2,453	2,509	2,480	2,510	2,556	2,568	2,550	2,585	2,667	2,671	2,719	2,710	2,832	2,819	2,882	2,882	2,859	2,859	2,859	2,920	2,920	
9	905	914	877	858	821	819	835	834	904	874	875	851	931	910	938	977	977	955	955	1051	1051	965	965	
10	911	931	912	914	868	883	846	823	850	842	896	912	886	883	940	947	947	987	987	966	966	1061	1061	
11	927	904	927	920	902	918	862	873	843	851	843	855	897	895	884	936	936	943	943	983	983	962	962	
12	882	898	914	922	918	922	879	894	879	851	830	836	845	835	893	878	878	931	931	938	938	977	977	
Sp.Ed.	84	108	65	84	83	65	102	83	103	102	124	103	102	124	102	102	102	102	102	102	102	102	102	
Total	3,709	3,755	3,695	3,698	3,592	3,607	3,524	3,507	3,579	3,520	3,568	3,557	3,661	3,647	3,757	3,840	3,840	3,918	3,918	4,040	4,040	4,067	4,067	
K-12	11,501	11,443	11,556	11,732	11,570	11,624	11,607	11,563	11,775	11,696	11,922	11,898	12,170	12,114	12,440	12,594	12,594	12,775	12,775	12,902	12,902	13,035	13,035	
% Change	0.5%		-1.5%		-0.5%		0.4%		0.7%		0.2%		0.5%		N/A	N/A	N/A	N/A	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 (2011-12) in the Countryside district there were 62 kindergarten students. This year (2012-13), in the same district, there are 70 first grade students. This movement yields a ratio of 1.13. This ratio is averaged with the ratios of the previous four years. The resulting ratio of 1.05 is multiplied by the current number of kindergarten students (69), to calculate the projected number of first graders for the next year (72). 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 has been historically utilized in Newton?*

The cohort survival ratio method for system-wide projections with adjustments, if appropriate, at the school level has been used for many years. In the past, a combination of three-year and five-year average ratios has been used. This report includes five-year ratios for Grades 1 through 12 in order to provide a consistent timeframe for the model across all schools and to take advantage of a full five years of growth. A three-year cohort survival ratio is used for the 2013-14 kindergarten projection with a manual adjustment of +1 student at each school; this ratio results in a significantly larger kindergarten population than the four or five year ratio and continued growth is expected next year. Note the kindergarten projection for the four following years uses a five-year ratio in order to project expected growth.

6. *How accurate are projections?*

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

"Goodness of fit," a measure of the percentage of error, is determined by dividing the actual enrollment figure by the projected enrollment figure for each level. The errors are the magnitude of the percentage difference between projected and actual enrollments. A small percentage of error is preferred. Research literature indicates that total school district enrollment may be projected with an accuracy of plus or minus 1%, yet an individual school's error rate might exceed 10%. Past system-wide error rates in Newton have been low, at around +/-1%, while grade level and school based projections have been significantly higher. Tables 9, 10 and 11 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 2017-18. These projections, *at best*, provide only the direction or trend enrollments will take into the 2020's. This is because beyond 2017-18, elementary enrollments must be based on predicted births in calendar year 2012 – 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 to peak enrollment years.

Grade-by-Grade Analysis

Table 13 shows Newton's historical cohort survival ratios by grade for the twenty-two years from 1991-92 through 2012-13. This table shows the net in-and out-migration patterns for each grade level. *Ratios greater than one indicate growth and ratios less than one indicate a decrease in the trend. This school year, all ratios except Grade 5-6 are 1.00 or higher, underscoring the current pattern of growth in the schools.* Over the years each cohort moving from K-1 has a survival ratio greater than one. This indicates net in-migration as a class or cohort moves from K to Grade 1. This year, the ratio from Grade K-1 is typical of the last few decades, at 1.05. The Grade 8-9 ratio of 1.08 is the highest shown on Table 13. Seven of the twelve ratios are above 1.0 this year as follows: 1.05 in Grade K-1; 1.03 in Grades 1-2 and 2-3; 1.02 in Grades 3-4, and 7-8; 1.08 in Grade 8-9 and 1.01 in Grade 9-10. Grades with ratios of 1.00 include Grades 4-5, 6-7, 10-11, and 11-12.

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

Table 12 shows the changes in size of each grade from 2011-12 to 2012-13. Ten of the twelve migrations were positive, the largest of which was +65 students from Grade 8 to Grade 9, followed by +41 students from kindergarten to Grade 1. The *only* negative migration was -37 students from Grade 5 to Grade 6; the Grade 6 to Grade 7 migration was 0. Please refer to Section V – Student Exits, Entrances and Transfers Report, for comprehensive information on recent student mobility.

A Comparison to Peak Enrollment Years

Total 2012-13 enrollment of 12,170 is 66% of the 1967 peak enrollment of 18,424. North High school enrollment of 1,940 students has declined by 1,036 students, or 35%, since the 1972 peak enrollment year of 2,976. At that point in time, the school held only Grades 10 through 12. Current South High School enrollment of 1,721 is 63 students, or 4% fewer than the 2007-08 historic peak enrollment of 1,784.

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

**TABLE 12
ENROLLMENTS BY GRADE
2011 and 2012**

Grade	October 1 Enrollment		Changes in Enrollment 2011-2012 to 2012-2013		
	2011	Net Migration	2012	N	%
K	895	+41	934	+39	+4.4%
1	940	+26	936	-4	-0.4%
2	956	+25	966	+10	+1.0%
3	923	+15	981	+58	+6.3%
4	1,017	+4	938	-79	-7.8%
5	937	-37	1,021	+84	+9.0%
Special Education*	19		14	-5	-26.3%
TOTAL ELEMENTARY SCHOOLS	5,687		5,790	+103	+1.8%
6	922	+0	900	-22	-2.4%
7	875	+14	922	+47	+5.4%
8	866	+65	889	+23	+2.7%
9	875	+11	931	+56	+6.4%
10	896	+1	886	-10	-1.1%
11	843	+2	897	+54	+6.4%
12	830		845	+15	+1.8%
Special Education/Ungraded**	128		110	-18	-14.1%
TOTAL SECONDARY SCHOOLS	6,235		6,380	+145	+2.3%
GRAND TOTAL	11,922		12,170	+248	+2.1%

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

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

TABLE 13
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

TABLE 14
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2006-2007 TO 2017-2018

Year	ANGIER SCHOOL			BOWEN SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	379	2.4%	9	413	7.0%	27
2007-2008	401	5.8%	22	428	3.6%	15
2008-2009	392	-2.2%	-9	435	1.6%	7
2009-2010	389	-0.8%	-3	454	4.4%	19
2010-2011	375	-3.6%	-14	449	-1.1%	-5
2011-2012	395	5.3%	20	448	-0.2%	-1
2012-2013	408	3.3%	13	477	6.5%	29
2013-2014	419	2.7%	11	481	0.8%	4
2014-2015	421	0.5%	2	485	0.8%	4
2015-2016	435	3.3%	14	493	1.6%	8
2016-2017	438	0.7%	3	501	1.6%	8
2017-2018	440	0.5%	2	513	2.4%	12
% Change 2006-2007 to 2017-2018		16.1%			24.2%	
% Change 2006-2007 to 2012-2013		7.7%			15.5%	

Year	BURR SCHOOL			CABOT SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	333	6.1%	19	420	7.4%	29
2007-2008	331	-0.6%	-2	424	1.0%	4
2008-2009	369	11.5%	38	425	0.2%	1
2009-2010	379	2.7%	10	449	5.6%	24
2010-2011	391	3.2%	12	452	0.7%	3
2011-2012	409	4.6%	18	440	-2.7%	-12
2012-2013	415	1.5%	6	420	-4.5%	-20
2013-2014	433	4.3%	18	426	1.4%	6
2014-2015	440	1.6%	7	431	1.2%	5
2015-2016	447	1.6%	7	434	0.7%	3
2016-2017	457	2.2%	10	429	-1.2%	-5
2017-2018	461	0.9%	4	442	3.0%	13
% Change 2006-2007 to 2017-2018		38.4%			5.2%	
% Change 2006-2007 to 2012-2013		24.6%			0.0%	

TABLE 14
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2006-2007 TO 2017-2018

Year	COUNTRYSIDE SCHOOL			FRANKLIN SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	437	-5.6%	-26	414	7.5%	29
2007-2008	447	2.3%	10	401	-3.1%	-13
2008-2009	479	7.2%	32	396	-1.2%	-5
2009-2010	472	-1.5%	-7	402	1.5%	6
2010-2011	499	5.7%	27	397	-1.2%	-5
2011-2012	490	-1.8%	-9	401	1.0%	4
2012-2013	479	-2.2%	-11	396	-1.2%	-5
2013-2014	471	-1.7%	-8	398	0.5%	2
2014-2015	474	0.6%	3	406	2.0%	8
2015-2016	463	-2.3%	-11	400	-1.5%	-6
2016-2017	446	-3.7%	-17	422	5.5%	22
2017-2018	447	0.2%	1	418	-0.9%	-4
% Change 2006-2007 to 2017-2018		2.3%			1.0%	
% Change 2006-2007 to 2012-2013		9.6%			-4.3%	

Year	HORACE MANN SCHOOL			LINCOLN-ELIOT SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	350	1.7%	6	281	-0.4%	-1
2007-2008	348	-0.6%	-2	293	4.3%	12
2008-2009	370	6.3%	22	284	-3.1%	-9
2009-2010	371	0.3%	1	291	2.5%	7
2010-2011	373	0.5%	2	293	0.7%	2
2011-2012	386	3.5%	13	317	8.2%	24
2012-2013	394	2.1%	8	322	1.6%	5
2013-2014	409	3.8%	15	329	2.2%	7
2014-2015	411	0.5%	2	343	4.3%	14
2015-2016	421	2.4%	10	350	2.0%	7
2016-2017	425	1.0%	4	342	-2.3%	-8
2017-2018	412	-3.1%	-13	346	1.2%	4
% Change 2006-2007 to 2017-2018		17.7%			23.1%	
% Change 2006-2007 to 2012-2013		12.6%			14.6%	

TABLE 14
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2006-2007 TO 2017-2018

Year	MASON-RICE SCHOOL			MEMORIAL-SPAULDING SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	372	0.0%	0	443	5.7%	24
2007-2008	410	10.2%	38	449	1.4%	6
2008-2009	422	2.9%	12	442	-1.6%	-7
2009-2010	428	1.4%	6	438	-0.9%	-4
2010-2011	442	3.3%	14	459	4.8%	21
2011-2012	437	-1.1%	-5	458	-0.2%	-1
2012-2013	438	0.2%	1	464	1.3%	6
2013-2014	430	-1.8%	-8	470	1.3%	6
2014-2015	437	1.6%	7	472	0.4%	2
2015-2016	435	-0.5%	-2	483	2.3%	11
2016-2017	441	1.4%	6	483	0.0%	0
2017-2018	448	1.6%	7	480	-0.6%	-3
% Change 2006-2007 to 2017-2018		20.4%			8.4%	
% Change 2006-2007 to 2012-2013		17.7%			4.7%	

Year	PEIRCE SCHOOL			UNDERWOOD SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	324	5.9%	18	288	9.1%	24
2007-2008	329	1.5%	5	295	2.4%	7
2008-2009	338	2.7%	9	282	-4.4%	-13
2009-2010	329	-2.7%	-9	262	-7.1%	-20
2010-2011	318	-3.3%	-11	282	7.6%	20
2011-2012	316	-0.6%	-2	289	2.5%	7
2012-2013	337	6.6%	21	310	7.3%	21
2013-2014	321	-4.7%	-16	311	0.3%	1
2014-2015	324	0.9%	3	318	2.3%	7
2015-2016	326	0.6%	2	312	-1.9%	-6
2016-2017	332	1.8%	6	315	1.0%	3
2017-2018	323	-2.7%	-9	320	1.6%	5
% Change 2006-2007 to 2017-2018		-0.3%			11.1%	
% Change 2006-2007 to 2012-2013		4.0%			7.6%	

TABLE 14
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2006-2007 TO 2017-2018

Year	WARD SCHOOL			WILLIAMS SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	237	-9.5%	-25	295	7.3%	20
2007-2008	247	4.2%	10	281	-4.7%	-14
2008-2009	260	5.3%	13	276	-1.8%	-5
2009-2010	260	0.0%	0	277	0.4%	1
2010-2011	269	3.5%	9	298	7.6%	21
2011-2012	278	3.3%	9	302	1.3%	4
2012-2013	301	8.3%	23	304	0.7%	2
2013-2014	297	-1.3%	-4	310	2.0%	6
2014-2015	307	3.4%	10	312	0.6%	2
2015-2016	312	1.6%	5	294	-5.8%	-18
2016-2017	321	2.9%	9	294	0.0%	0
2017-2018	322	0.3%	1	298	1.4%	4
% Change 2006-2007 to 2017-2018		35.9%			1.0%	
% Change 2006-2007 to 2012-2013		27.0%			3.1%	

Year	ZERVAS SCHOOL			TOTAL ELEMENTARY K-5		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	332	10.7%	32	5,318	3.5%	185
2007-2008	324	-2.4%	-8	5,408	1.7%	90
2008-2009	328	1.2%	4	5,498	1.7%	90
2009-2010	326	-0.6%	-2	5,527	0.5%	29
2010-2011	349	7.1%	23	5,646	2.2%	119
2011-2012	321	-8.0%	-28	5,687	0.7%	41
2012-2013	325	1.2%	4	5,790	1.8%	103
2013-2014	346	6.5%	21	5,851	1.1%	61
2014-2015	354	2.3%	8	5,935	1.4%	84
2015-2016	370	4.5%	16	5,975	0.7%	40
2016-2017	357	-3.5%	-13	6,003	0.5%	28
2017-2018	378	5.9%	21	6,048	0.7%	45
% Change 2006-2007 to 2017-2018		13.9%			13.7%	
% Change 2006-2007 to 2012-2013		-2.1%			8.9%	

TABLE 15
PERCENT OF CHANGE BY MIDDLE SCHOOL
2006-2007 TO 2017-2018

Year	BIGELOW MIDDLE SCHOOL			BROWN MIDDLE SCHOOL			DAY MIDDLE SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2006-2007	495	-0.2%	-1	665	-5.7%	-21	747	-2.7%	17
2007-2008	487	-1.6%	-8	644	-3.2%	-21	764	2.3%	17
2008-2009	505	3.7%	18	681	5.7%	37	747	-2.2%	-17
2009-2010	527	4.4%	22	684	0.4%	3	773	3.5%	26
2010-2011	523	-0.8%	-4	666	-2.6%	-18	758	-1.9%	-15
2011-2012	533	1.9%	10	677	1.7%	11	845	11.5%	87
2012-2013	531	-0.4%	-2	698	3.1%	21	874	3.4%	29
2013-2014	582	9.6%	51	729	4.4%	31	894	2.3%	20
2014-2015	576	-1.0%	-6	733	0.5%	4	872	-2.5%	-22
2015-2016	602	4.5%	26	765	4.4%	32	887	1.7%	15
2016-2017	594	-1.3%	-8	758	-0.9%	-7	857	-3.4%	-30
2017-2018	617	3.9%	23	751	-0.9%	-7	902	5.3%	45
% Change 2006-2007 to 2017-2018		24.6%			12.9%			20.7%	
% Change 2006-2007 to 2012-2013		7.3%			5.0%			17.0%	

Year	OAK HILL MIDDLE SCHOOL			TOTAL MIDDLE SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2006-2007	567			2474	-0.2%	-5
2007-2008	558	-1.6%	-9	2453	-0.8%	-21
2008-2009	547	-2.0%	-11	2480	1.1%	27
2009-2010	572	4.6%	25	2556	3.1%	76
2010-2011	603	5.4%	31	2550	-0.2%	-6
2011-2012	612	1.5%	9	2667	4.6%	117
2012-2013	616	0.7%	4	2719	1.9%	52
2013-2014	627	1.8%	11	2832	4.2%	113
2014-2015	638	1.8%	11	2819	-0.5%	-13
2015-2016	628	-1.6%	-10	2882	2.2%	63
2016-2017	650	3.5%	22	2859	-0.8%	-23
2017-2018	650	0.0%	0	2920	2.1%	61
% Change 2006-2007 to 2017- 2018		14.6%			18.0%	
% Change 2006-2007 to 2012- 2013		8.6%			9.9%	

TABLE 16
PERCENT OF CHANGE BY HIGH SCHOOL
2006-2007 TO 2017-2018

Year	NORTH HIGH SCHOOL			SOUTH HIGH SCHOOL			TOTAL HIGH SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2006-2007	1,964	-4.1%	-83	1,745	2.6%	44	3,709	-1.1%	-39
2007-2008	1,911	-2.7%	-53	1,784	2.2%	39	3,695	-0.4%	-14
2008-2009	1,829	-4.3%	-82	1,763	-1.2%	-21	3,592	-2.8%	-103
2009-2010	1,802	-1.5%	-27	1,722	-2.3%	-41	3,524	-1.9%	-68
2010-2011	1,871	3.8%	69	1,708	-0.8%	-14	3,579	1.6%	55
2011-2012	1,877	0.3%	6	1,691	-1.0%	-17	3,568	-0.3%	-11
2012-2013	1,940	3.4%	63	1,721	1.8%	30	3,661	2.6%	93
2013-2014	1,998	3.0%	58	1,759	2.2%	38	3,757	2.6%	96
2014-2015	2,040	2.1%	42	1,800	2.3%	41	3,840	2.2%	83
2015-2016	2,089	2.4%	49	1,829	1.6%	29	3,918	2.0%	78
2016-2017	2,171	3.9%	82	1,869	2.2%	40	4,040	3.1%	122
2017-2018	2,181	0.5%	10	1,886	0.9%	17	4,067	0.7%	27
% Change 2006-2007 to 2017-2018		11.0%			8.1%			9.7%	
% Change 2006-2007 to 2012-2013		-1.2%			-1.4%			-1.3%	

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 (2011-12) and this year (2012-13) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2013-14 to 2017-18) are also reported based on a 5-year cohort survival ratio average for Grades 1 through 5 and a 3-year cohort survival ratio average for kindergarten.
2. Ten years of kindergarten and total school enrollments.
3. Distribution of the ages of incoming kindergarten students since 2005.
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 (2011-12) and this year (2012-13) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2013-14 to 2017-18) 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 (2013-14).
4. A line graph depicting enrollment history over time (45 years) and projections (5 years).

High Schools

1. Enrollments by grade for last year (2011-12) and this year (2012-13) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2013-14 to 2017-18) 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 (2013-14).
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***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	62	69	7	11.3%	71	58	63	64	64
1	71	64	-7	-9.9%	71	74	61	67	68
2	60	72	12	20.0%	73	78	81	68	74
3	66	63	-3	-4.5%	75	76	81	84	71
4	70	68	-2	-2.9%	61	74	75	80	83
5	66	72	6	9.1%	68	61	74	75	80
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	395	408*	13	3.3%	419	421	435	438	440

*Includes 27 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	49	371		
2004	61	363	-8	-2.2%
2005	58	370	7	1.9%
2006	60	379	9	2.4%
2007	67	401	22	5.8%
2008	47	392	-9	-2.2%
2009	48	389	-3	-0.8%
2010	57	375	-14	-3.6%
2011	62	395	20	5.3%
2012	69	408	13	3.3%

Peak enrollment year: 2012, 408 students

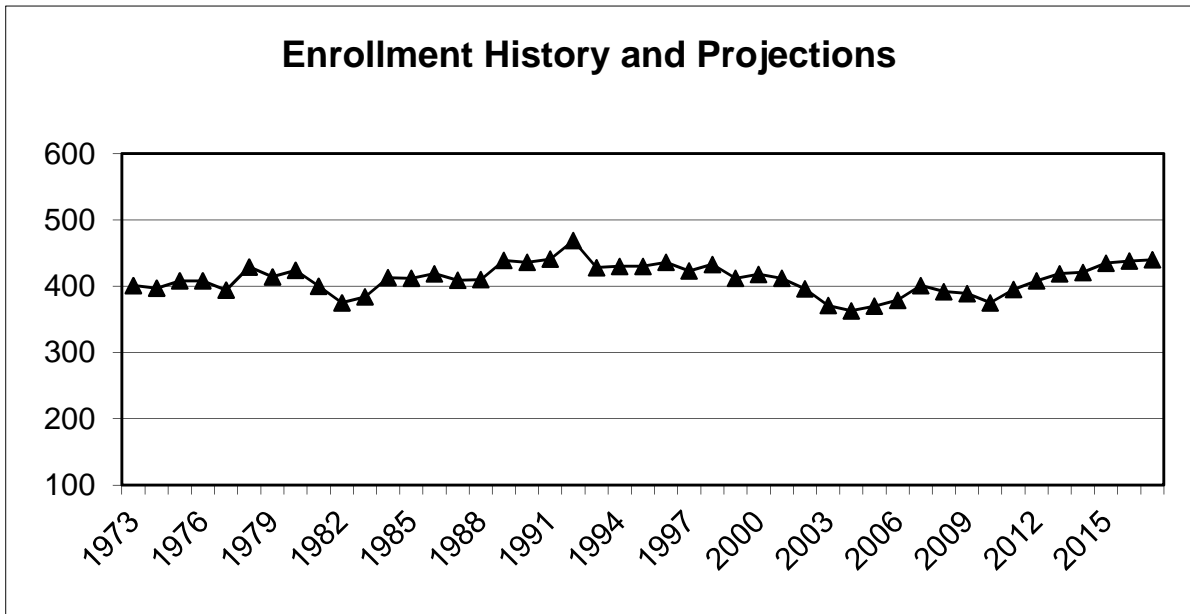
Angier

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	53	91.4%	5	8.6%	58
2006	57	95.0%	3	5.0%	60
2007	58	86.6%	9	13.4%	67
2008	43	91.5%	4	8.5%	47
2009	43	89.6%	5	10.4%	48
2010	56	98.2%	1	1.8%	57
2011	57	91.9%	5	8.1%	62
2012	67	97.1%	2	2.9%	69

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	35	2016-2017
2	30	2015-2016
3	42	2014-2015
4	45	2013-2014



Bowen

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	67	79	12	17.9%	80	75	77	79	82
1	71	76	5	7.0%	82	85	79	81	83
2	75	79	4	5.3%	76	84	87	81	83
3	75	79	4	5.3%	80	78	87	90	84
4	84	81	-3	-3.6%	81	82	80	89	92
5	76	83	7	9.2%	82	81	83	81	89
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	448	477*	29	6.5%	481	485	493	501	513

*Includes 19 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	57	335		
2004	71	375	40	11.9%
2005	77	386	11	2.9%
2006	83	413	27	7.0%
2007	77	428	15	3.6%
2008	59	435	7	1.6%
2009	69	454	19	4.4%
2010	70	449	-5	-1.1%
2011	67	448	-1	-0.2%
2012	79	477	29	6.5%

Peak enrollment year: 2012, 477 students

Bowen

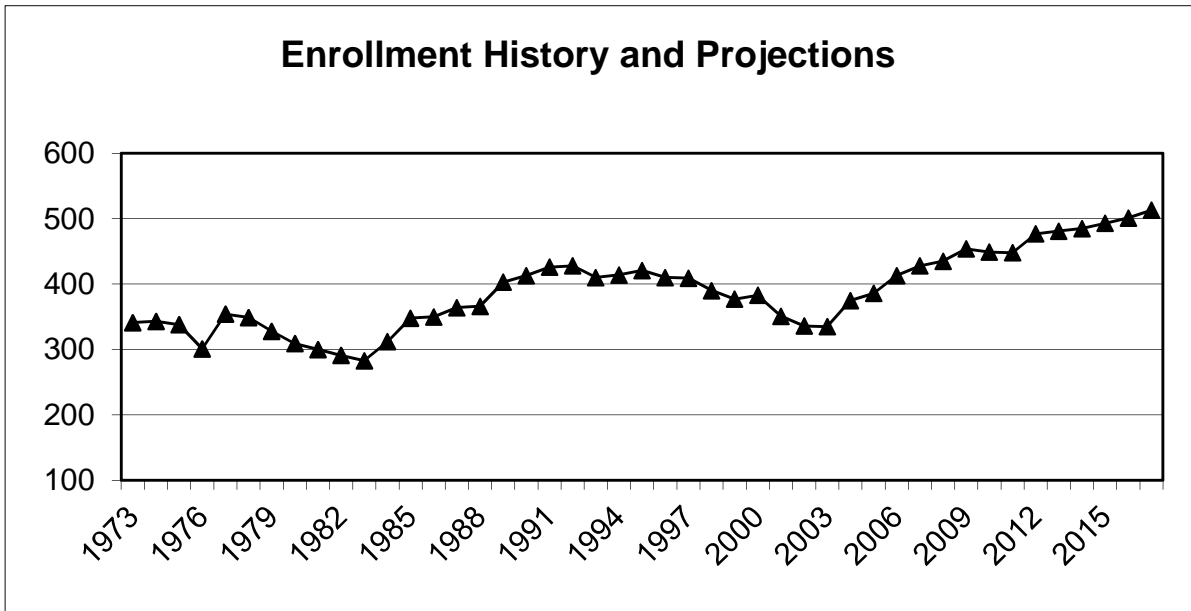
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	67	87.0%	10	13.0%	77
2006	73	88.0%	10	12.0%	83
2007	68	88.3%	9	11.7%	77
2008	52	88.1%	7	11.9%	59
2009	61	88.4%	8	11.6%	69
2010	68	97.1%	2	2.9%	70
2011	63	94.0%	4	6.0%	67
2012	74	93.7%	5	6.3%	79

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	36	2016-2017
2	48	2015-2016
3	55	2014-2015
4	76	2013-2014



Burr

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	68	65	-3	-4.4%	83	69	70	71	71
1	64	69	5	7.8%	67	85	74	72	73
2	71	67	-4	-5.6%	70	70	87	77	73
3	66	74	8	12.1%	70	73	73	91	80
4	70	70	0	0.0%	74	70	74	73	91
5	70	70	0	0.0%	69	73	69	73	73
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	409	415*	6	1.5%	433	440	447	457	461

*Includes 3 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	48	303		
2004	55	314	11	3.6%
2005	45	314	0	0.0%
2006	60	333	19	6.1%
2007	54	331	-2	-0.6%
2008	68	369	38	11.5%
2009	69	379	10	2.7%
2010	65	391	12	3.2%
2011	68	409	18	4.6%
2012	65	415	6	1.5%

Peak enrollment year: 2012, 415 students

Burr

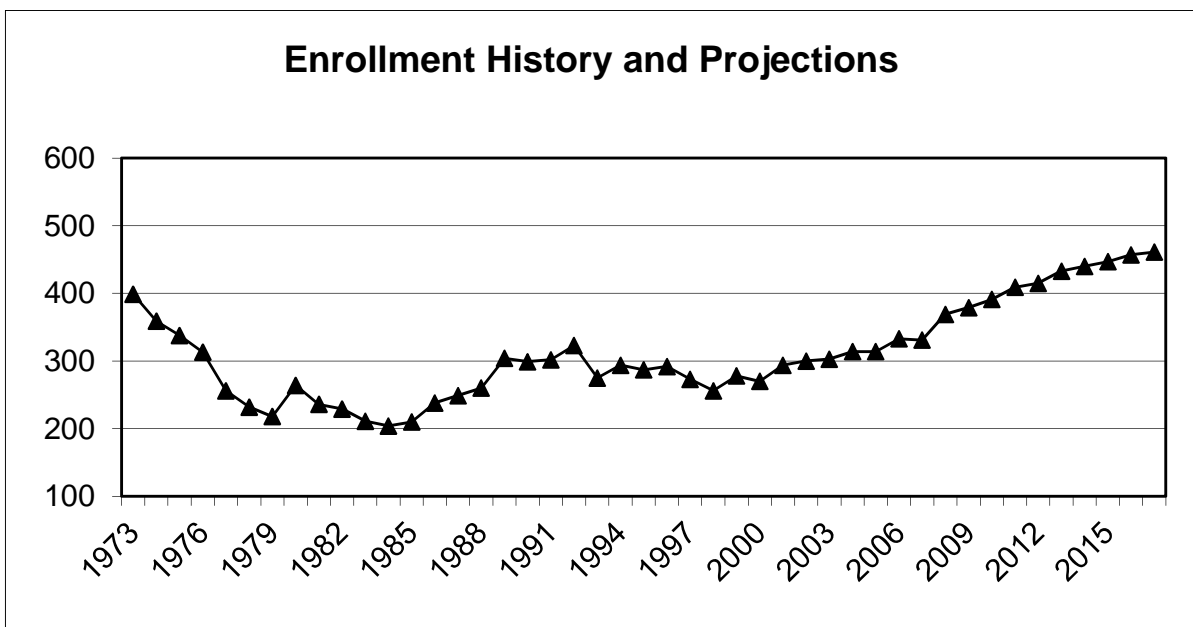
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	36	80.0%	9	20.0%	45
2006	56	93.3%	4	6.7%	60
2007	43	79.6%	11	20.4%	54
2008	60	88.2%	8	11.8%	68
2009	60	87.0%	9	13.0%	69
2010	60	92.3%	5	7.7%	65
2011	64	94.1%	4	5.9%	68
2012	62	95.4%	3	4.6%	65

*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, 2012 City Census)

Age	Number	Year Entering K
1	18	2016-2017
2	32	2015-2016
3	41	2014-2015
4	53	2013-2014



Cabot

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	63	73	10	15.9%	68	68	70	67	69
1	78	62	-16	-20.5%	80	73	71	74	73
2	77	75	-2	-2.6%	63	81	74	72	74
3	74	71	-3	-4.1%	77	63	81	74	72
4	72	68	-4	-5.6%	70	76	62	80	74
5	76	71	-5	-6.6%	68	70	76	62	80
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	440	420*	-20	-4.5%	426	431	434	429	442

*Includes 16 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	54	353		
2004	69	357	4	1.1%
2005	74	391	34	9.5%
2006	71	420	29	7.4%
2007	60	424	4	1.0%
2008	63	425	1	0.2%
2009	69	449	24	5.6%
2010	72	452	3	0.7%
2011	63	440	-12	-2.7%
2012	73	420	-20	-4.5%

Peak enrollment year: 2010, 452 students

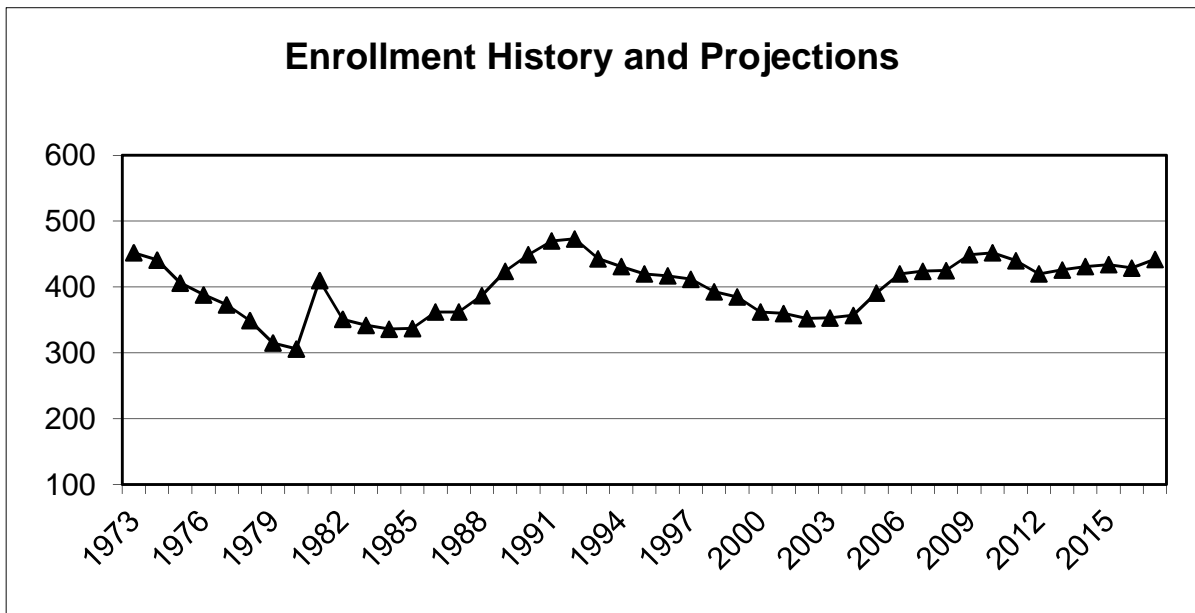
Cabot

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	63	85.1%	11	14.9%	74
2006	66	93.0%	5	7.0%	71
2007	46	76.7%	14	23.3%	60
2008	56	88.9%	7	11.1%	63
2009	64	92.8%	5	7.2%	69
2010	71	98.6%	1	1.4%	72
2011	60	95.2%	3	4.8%	63
2012	68	93.2%	5	6.8%	73

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	22	2016-2017
2	27	2015-2016
3	48	2014-2015
4	43	2013-2014



Countryside

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	62	69	7	11.3%	78	73	73	67	68
1	88	70	-18	-20.5%	72	83	78	74	70
2	92	82	-10	-10.9%	69	72	82	77	73
3	81	89	8	9.9%	82	69	73	82	77
4	92	78	-14	-15.2%	91	84	71	74	84
5	75	91	16	21.3%	79	93	86	72	75
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	490	479*	-11	-2.2%	471	474	463	446	447

*Includes 0 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	70	446		
2004	59	448	2	0.4%
2005	71	463	15	3.3%
2006	70	437	-26	-5.6%
2007	82	447	10	2.3%
2008	85	479	32	7.2%
2009	85	472	-7	-1.5%
2010	86	499	27	5.7%
2011	62	490	-9	-1.8%
2012	69	479	-11	-2.2%

Peak enrollment year: 2010, 499 students

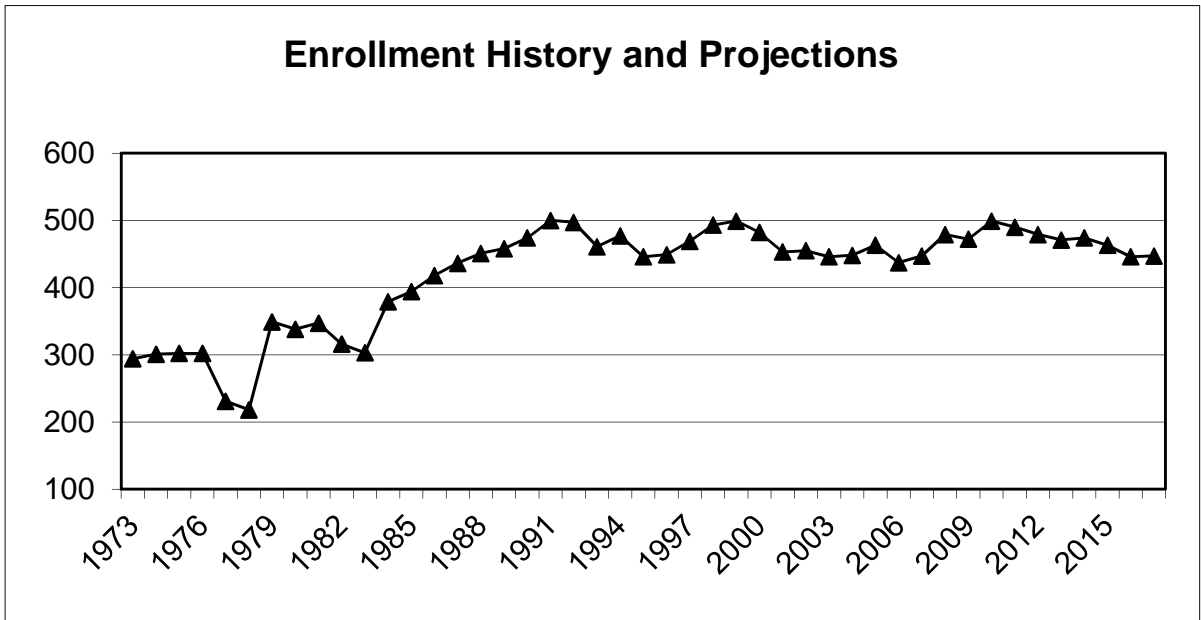
Countryside

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	64	90.1%	7	9.9%	71
2006	58	82.9%	12	17.1%	70
2007	72	87.8%	10	12.2%	82
2008	71	83.5%	14	16.5%	85
2009	74	87.1%	11	12.9%	85
2010	83	96.5%	3	3.5%	86
2011	59	95.2%	3	4.8%	62
2012	66	95.7%	3	4.3%	69

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	24	2016-2017
2	33	2015-2016
3	51	2014-2015
4	45	2013-2014



Franklin

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	72	63	-9	-12.5%	74	64	62	68	67
1	47	73	26	55.3%	66	78	67	64	70
2	71	48	-23	-32.4%	73	67	78	68	64
3	59	69	10	16.9%	47	71	66	76	66
4	69	57	-12	-17.4%	66	45	68	63	73
5	64	74	10	15.6%	60	69	47	71	66
Spec. Ed.**	19	12	-7	-36.8%	12	12	12	12	12
TOTAL	401	396*	-5	-1.2%	398	406	400	422	418

*Includes 12 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	66	397		
2004	58	386	-11	-2.8%
2005	76	385	-1	-0.3%
2006	69	414	29	7.5%
2007	64	401	-13	-3.1%
2008	56	396	-5	-1.2%
2009	67	402	6	1.5%
2010	42	397	-5	-1.2%
2011	72	401	4	1.0%
2012	63	396	-5	-1.2%

Peak enrollment year: 2006, 414 students

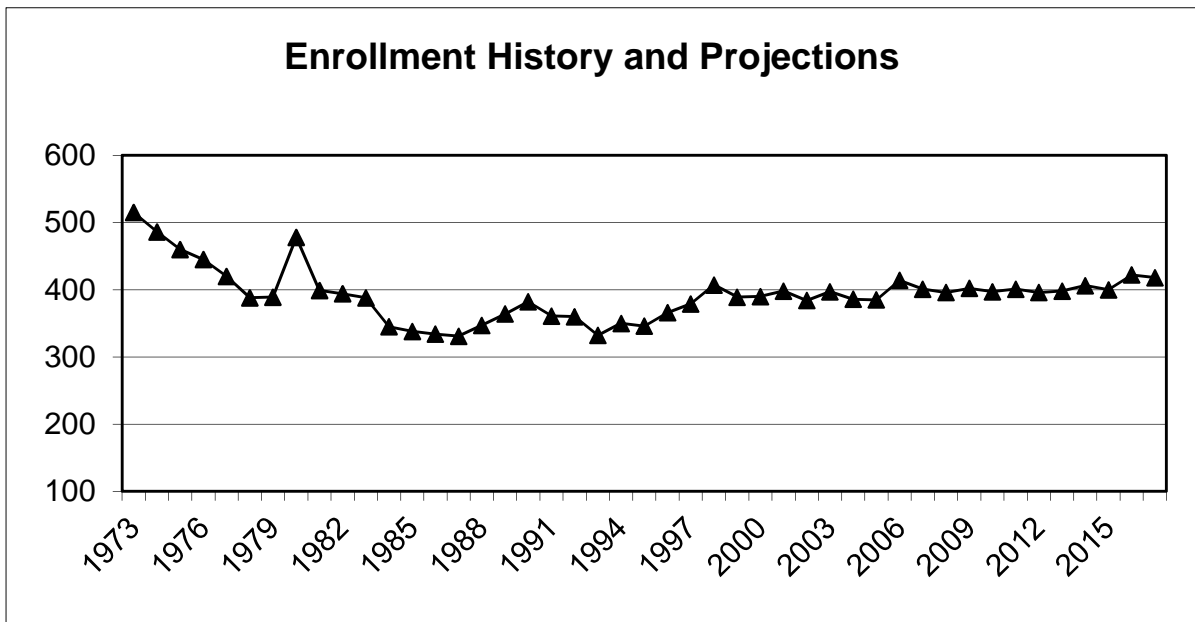
Franklin

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	68	89.5%	8	10.5%	76
2006	62	89.9%	7	10.1%	69
2007	61	95.3%	3	4.7%	64
2008	46	82.1%	10	17.9%	56
2009	63	94.0%	4	6.0%	67
2010	35	83.3%	7	16.7%	42
2011	71	98.6%	1	1.4%	72
2012	61	96.8%	2	3.2%	63

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	40	2016-2017
2	40	2015-2016
3	42	2014-2015
4	55	2013-2014



Horace Mann

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	80	65	-15	-18.8%	65	67	69	68	68
1	64	84	20	31.3%	66	65	67	70	69
2	59	64	5	8.5%	83	66	66	68	71
3	66	61	-5	-7.6%	65	84	67	66	68
4	54	67	13	24.1%	64	66	86	68	68
5	63	53	-10	-15.9%	66	63	66	85	68
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	386	394*	8	2.1%	409	411	421	425	412

*Includes 9 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	61	333		
2004	64	337	4	1.2%
2005	57	344	7	2.1%
2006	58	350	6	1.7%
2007	49	348	-2	-0.6%
2008	67	370	22	6.3%
2009	57	371	1	0.3%
2010	67	373	2	0.5%
2011	80	386	13	3.5%
2012	65	394	8	2.1%

Peak enrollment year: 2012, 394 students

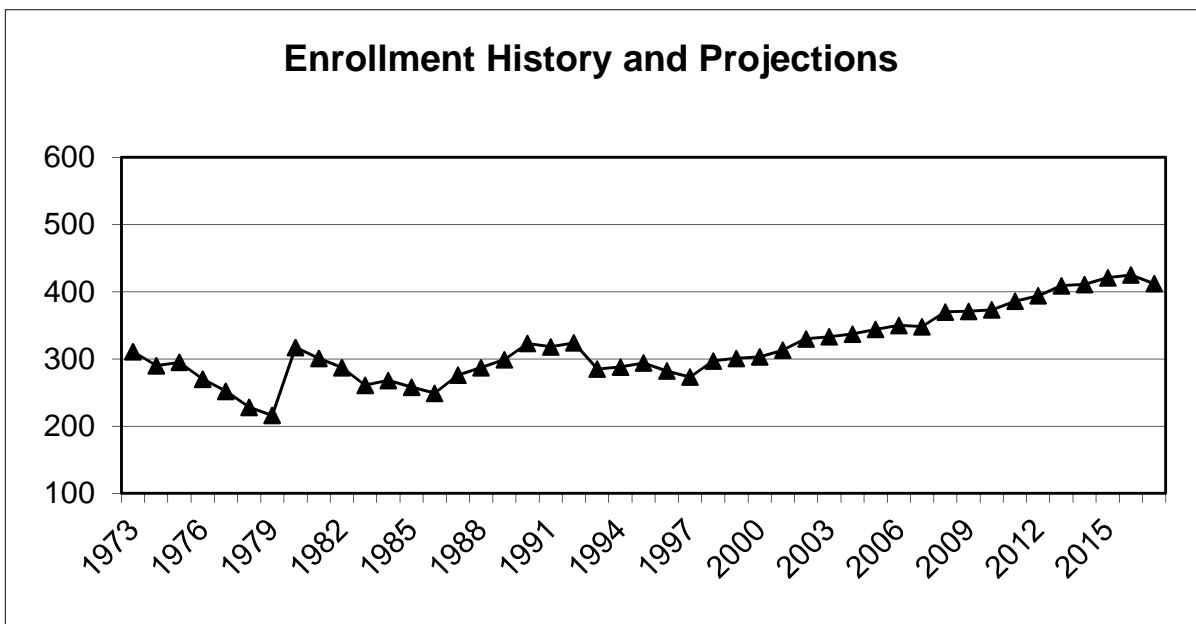
Horace Mann

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	51	89.5%	6	10.5%	57
2006	53	91.4%	5	8.6%	58
2007	46	93.9%	3	6.1%	49
2008	57	86.4%	9	13.6%	66
2009	53	93.0%	4	7.0%	57
2010	65	97.0%	2	3.0%	67
2011	78	97.5%	2	2.5%	80
2012	59	90.8%	6	9.2%	65

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	30	2016-2017
2	27	2015-2016
3	41	2014-2015
4	43	2013-2014



Lincoln-Eliot

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	55	48	-7	-12.7%	67	56	55	55	58
1	62	57	-5	-8.1%	50	69	57	57	56
2	51	64	13	25.5%	54	48	67	57	55
3	42	48	6	14.3%	65	55	49	68	58
4	60	45	-15	-25.0%	48	66	56	49	69
5	47	60	13	27.7%	45	49	66	56	50
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	317	322*	5	1.6%	329	343	350	342	346

*Includes 20 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	37	242		
2004	30	229	-13	-5.4%
2005	62	282	53	23.1%
2006	47	281	-1	-0.4%
2007	45	293	12	4.3%
2008	43	284	-9	-3.1%
2009	49	291	7	2.5%
2010	58	293	2	0.7%
2011	55	317	24	8.2%
2012	48	322	5	1.6%

Peak enrollment year: 2012, 322 students

Lincoln-Eliot

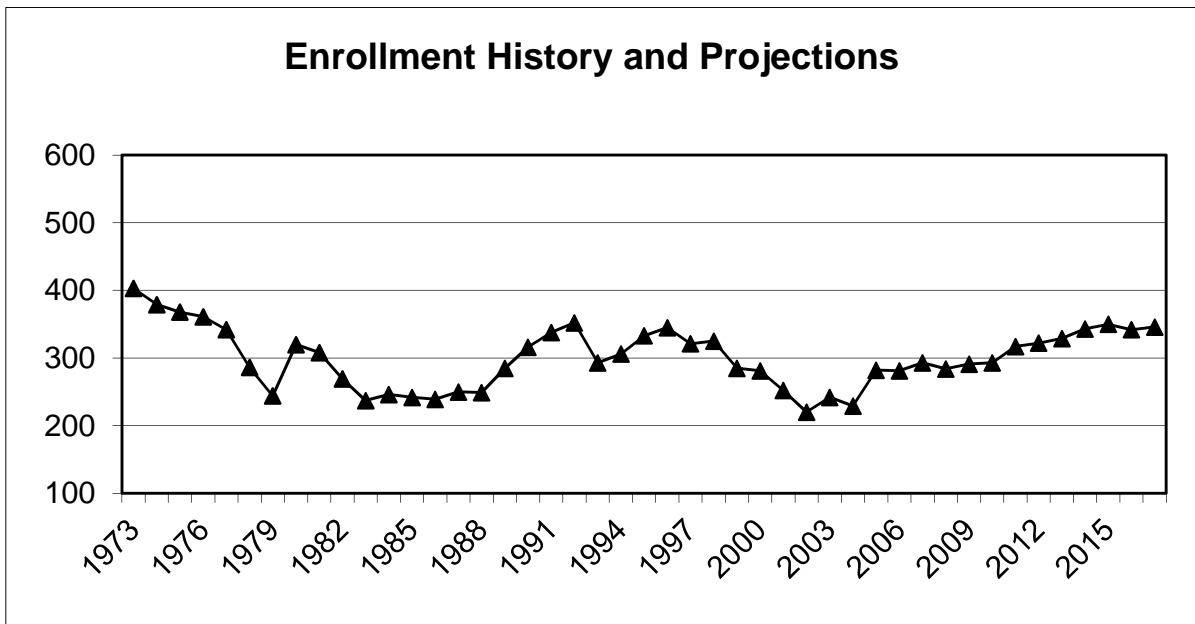
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	53	85.5%	9	14.5%	62
2006	44	93.6%	3	6.4%	47
2007	41	91.1%	4	8.9%	45
2008	40	93.0%	3	7.0%	43
2009	43	87.8%	6	12.2%	49
2010	55	94.8%	3	5.2%	58
2011	53	96.4%	2	3.6%	55
2012	48	100.0%	0	0.0%	48

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	29	2016-2017
2	32	2015-2016
3	32	2014-2015
4	39	2013-2014



Mason-Rice

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	64	79	15	23.4%	64	70	68	70	69
1	72	63	-9	-12.5%	82	69	72	73	72
2	75	71	-4	-5.3%	65	86	71	75	74
3	73	76	3	4.1%	72	66	88	72	76
4	82	73	-9	-11.0%	76	72	66	87	72
5	71	76	5	7.0%	71	74	70	64	85
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	437	438*	1	0.2%	430	437	435	441	448

*Includes 3 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	57	352		
2004	60	365	13	3.7%
2005	71	372	7	1.9%
2006	58	372	0	0.0%
2007	75	410	38	10.2%
2008	67	422	12	2.9%
2009	72	428	6	1.4%
2010	64	442	14	3.3%
2011	64	437	-5	-1.1%
2012	79	438	1	0.2%

Peak enrollment year: 2010, 442 students

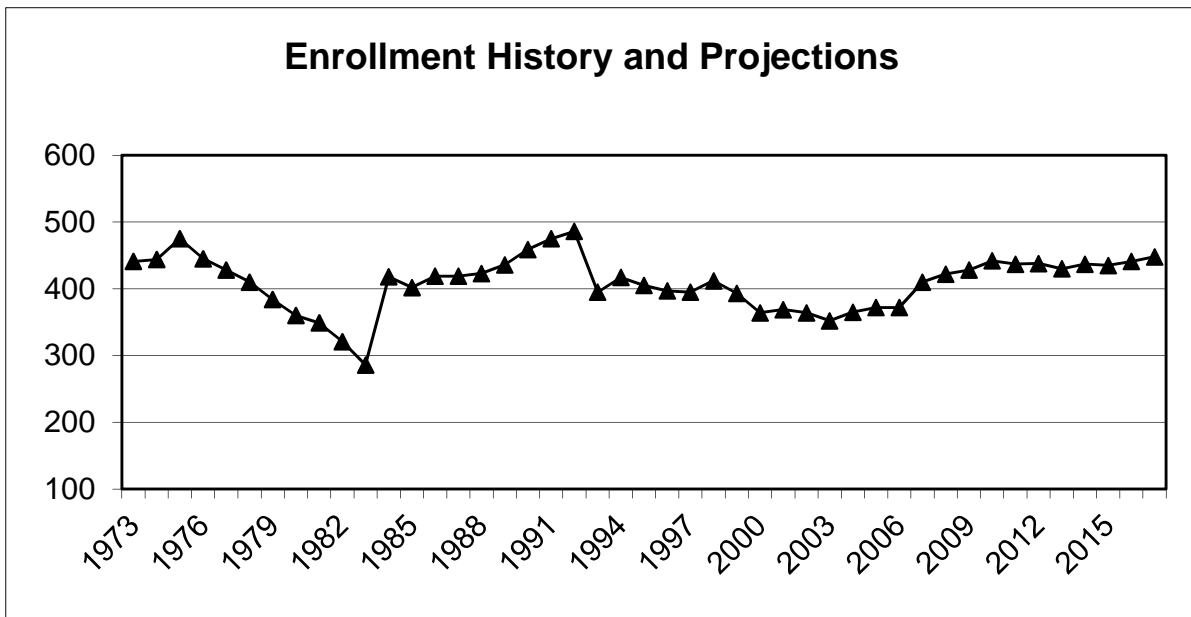
Mason-Rice

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	68	95.8%	3	4.2%	71
2006	52	89.7%	6	10.3%	58
2007	70	93.3%	5	6.7%	75
2008	61	91.0%	6	9.0%	67
2009	61	84.7%	11	15.3%	72
2010	62	96.9%	2	3.1%	64
2011	61	95.3%	3	4.7%	64
2012	69	87.3%	10	12.7%	79

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	35	2016-2017
2	41	2015-2016
3	51	2014-2015
4	59	2013-2014



Memorial-Spaulling

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	66	69	3	4.5%	63	66	67	66	67
1	74	77	3	4.1%	78	71	75	77	75
2	71	81	10	14.1%	84	81	74	81	82
3	76	73	-3	-3.9%	84	86	84	76	83
4	82	81	-1	-1.2%	78	89	92	90	82
5	89	83	-6	-6.7%	83	79	91	93	91
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	458	464*	6	1.3%	470	472	483	483	480

*Includes 24 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	79	447		
2004	63	427	-20	-4.5%
2005	59	419	-8	-1.9%
2006	74	443	24	5.7%
2007	58	449	6	1.4%
2008	62	442	-7	-1.6%
2009	62	438	-4	-0.9%
2010	74	459	21	4.8%
2011	66	458	-1	-0.2%
2012	69	464	6	1.3%

Peak enrollment year: 2012, 464 students

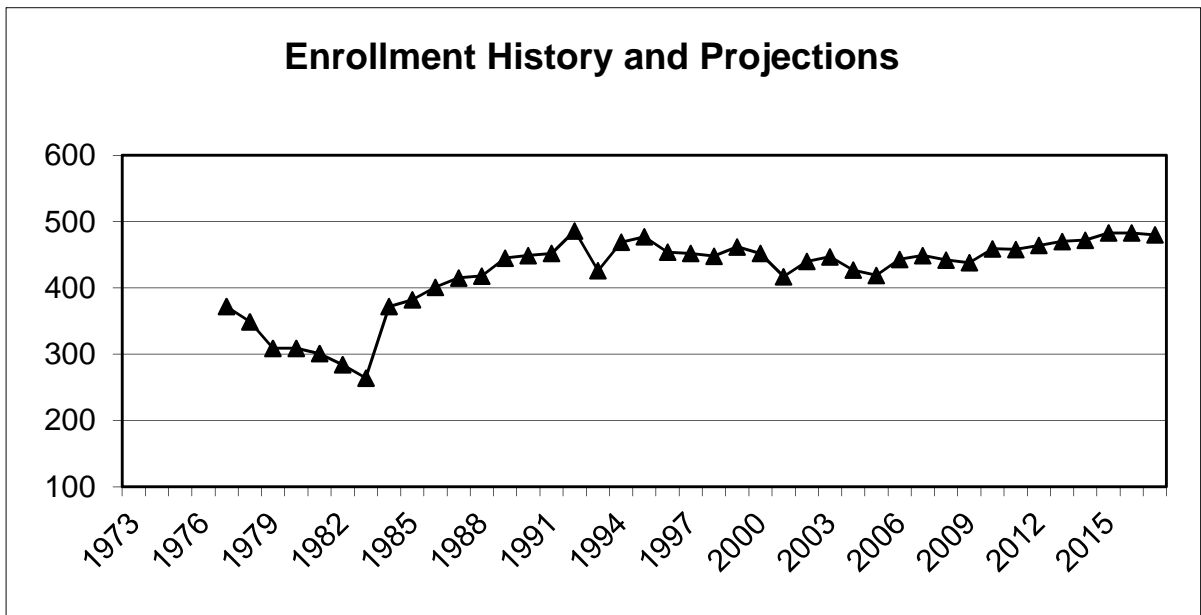
Memorial-Spaulling

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	50	84.7%	9	15.3%	59
2006	69	93.2%	5	6.8%	74
2007	50	86.2%	8	13.8%	58
2008	57	91.9%	5	8.1%	62
2009	58	93.5%	4	6.5%	62
2010	71	95.9%	3	4.1%	74
2011	62	93.9%	4	6.1%	66
2012	68	98.6%	1	1.4%	69

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	19	2016-2017
2	25	2015-2016
3	41	2014-2015
4	41	2013-2014



Peirce

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	55	51	-4	-7.3%	41	44	45	46	47
1	47	62	15	31.9%	59	48	50	54	52
2	49	53	4	8.2%	64	61	50	53	57
3	47	52	5	10.6%	53	65	62	51	53
4	66	52	-14	-21.2%	53	54	66	63	52
5	52	67	15	28.8%	51	52	53	65	62
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	316	337*	21	6.6%	321	324	326	332	323

*Includes 19 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	51	271		
2004	44	286	15	5.5%
2005	46	306	20	7.0%
2006	49	324	18	5.9%
2007	53	329	5	1.5%
2008	39	338	9	2.7%
2009	39	329	-9	-2.7%
2010	45	318	-11	-3.3%
2011	55	316	-2	-0.6%
2012	51	337	21	6.6%

Peak enrollment year: 2008, 338 students

Peirce

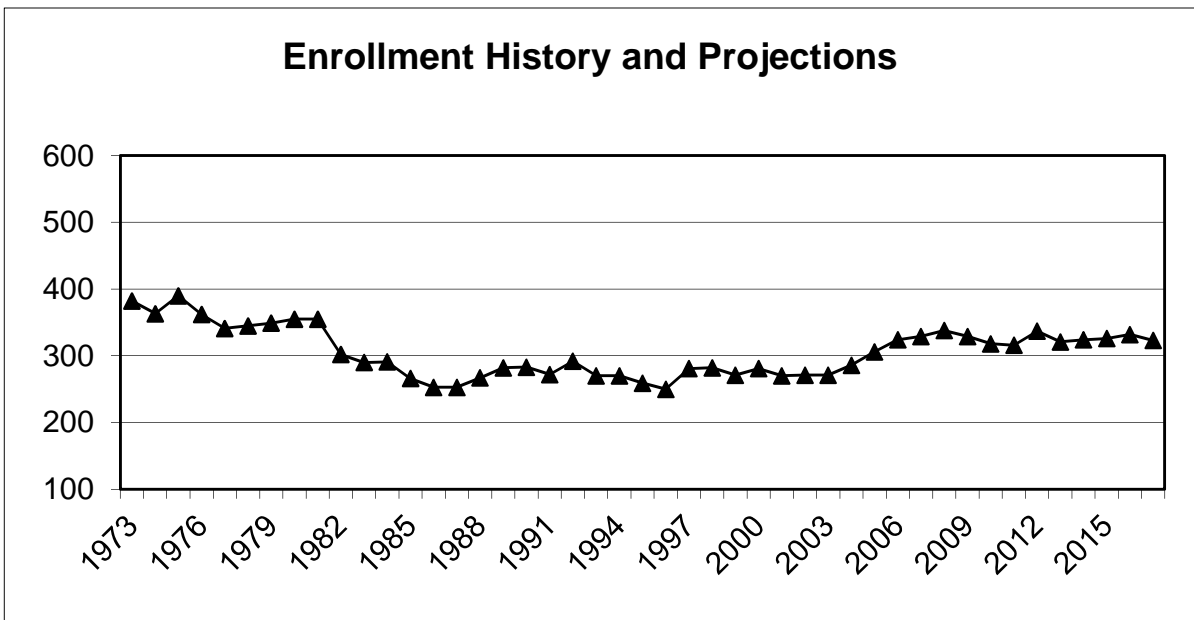
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	37	80.4%	9	19.6%	46
2006	39	79.6%	10	20.4%	49
2007	42	79.2%	11	20.8%	53
2008	34	87.2%	5	12.8%	39
2009	32	82.1%	7	17.9%	39
2010	42	93.3%	3	6.7%	45
2011	45	81.8%	10	18.2%	55
2012	48	94.1%	3	5.9%	51

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	15	2016-2017
2	23	2015-2016
3	31	2014-2015
4	34	2013-2014



Underwood

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	49	47	-2	-4.1%	56	50	49	50	50
1	46	49	3	6.5%	44	56	50	49	52
2	52	49	-3	-5.8%	51	48	59	53	52
3	46	60	14	30.4%	50	52	49	60	54
4	51	48	-3	-5.9%	61	51	53	50	61
5	45	55	10	22.2%	47	59	50	51	49
Spec. Ed.**	0	2	2	0.0%	2	2	2	2	2
TOTAL	289	310*	21	7.3%	311	318	312	315	320

*Includes 16 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	43	276		
2004	39	275	-1	-0.4%
2005	39	264	-11	-4.0%
2006	49	288	24	9.1%
2007	44	295	7	2.4%
2008	43	282	-13	-4.4%
2009	46	262	-20	-7.1%
2010	49	282	20	7.6%
2011	49	289	7	2.5%
2012	47	310	21	7.3%

Peak enrollment year: 2012, 310 students

Underwood

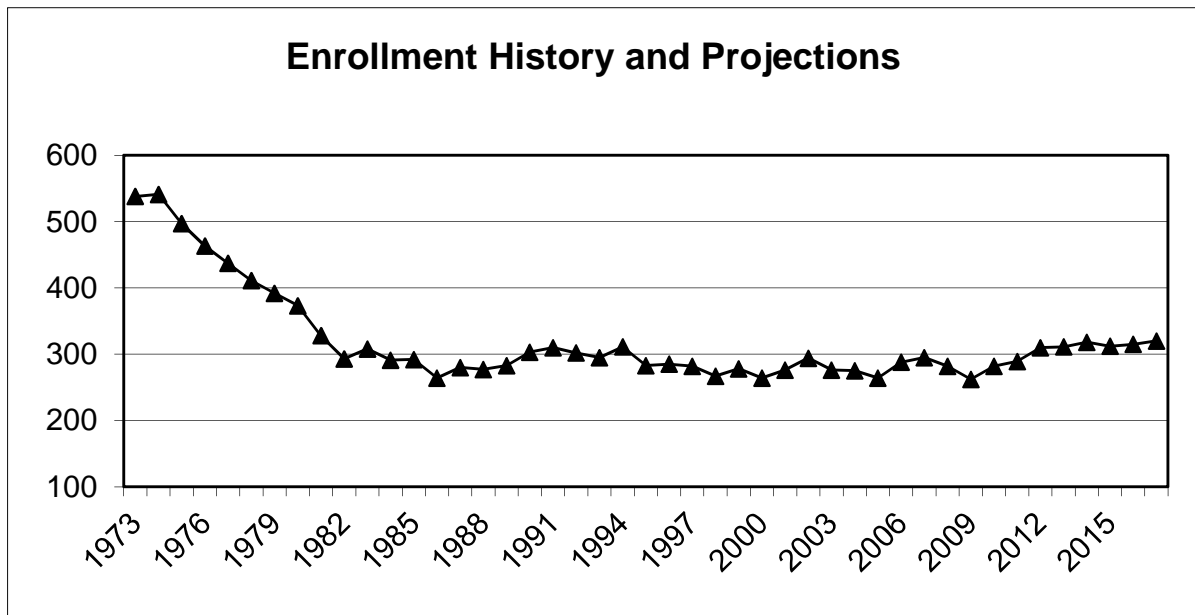
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS*

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	35	89.7%	4	10.3%	39
2006	40	81.6%	9	18.4%	49
2007	36	81.8%	8	18.2%	44
2008	40	93.0%	3	7.0%	43
2009	39	84.8%	7	15.2%	46
2010	43	87.8%	6	12.2%	49
2011	46	93.9%	3	6.1%	49
2012	42	89.4%	5	10.6%	47

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	19	2016-2017
2	29	2015-2016
3	34	2014-2015
4	35	2013-2014



Ward

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	46	47	1	2.2%	44	44	46	46	46
1	46	50	4	8.7%	52	51	49	52	53
2	46	46	0	0.0%	54	56	54	52	55
3	49	51	2	4.1%	49	56	58	56	54
4	58	47	-11	-19.0%	51	49	56	58	56
5	33	60	27	81.8%	47	51	49	57	58
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	278	301*	23	8.3%	297	307	312	321	322

*Includes 9 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	33	274		
2004	35	262	-12	-4.4%
2005	45	262	0	0.0%
2006	31	237	-25	-9.5%
2007	47	247	10	4.2%
2008	42	260	13	5.3%
2009	34	260	0	0.0%
2010	42	269	9	3.5%
2011	46	278	9	3.3%
2012	47	301	23	8.3%

Peak enrollment year: 2012, 301 students

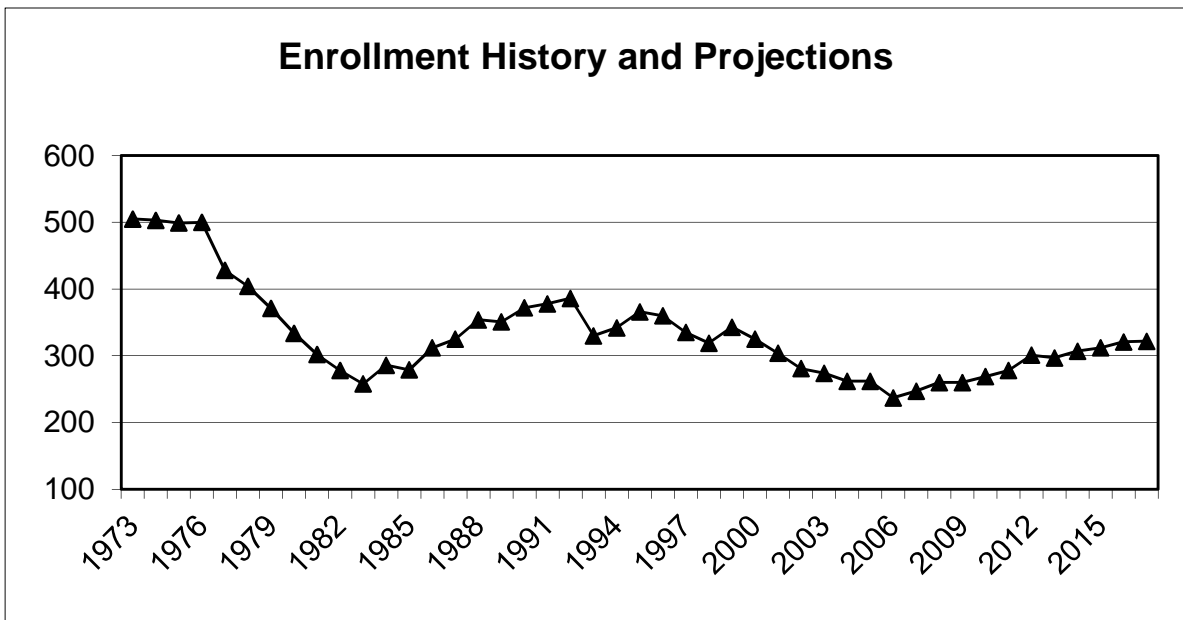
Ward

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	43	95.6%	2	4.4%	45
2006	28	90.3%	3	9.7%	31
2007	40	85.1%	7	14.9%	47
2008	35	83.3%	7	16.7%	42
2009	26	76.5%	8	23.5%	34
2010	42	100.0%	0	0.0%	42
2011	45	97.8%	1	2.2%	46
2012	46	97.9%	1	2.1%	47

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	18	2016-2017
2	32	2015-2016
3	37	2014-2015
4	40	2013-2014



Williams

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	46	50	4	8.7%	44	46	47	45	46
1	46	41	-5	-10.9%	50	45	49	49	46
2	63	47	-16	-25.4%	44	51	46	51	50
3	49	69	20	40.8%	50	45	53	47	52
4	47	48	1	2.1%	73	51	47	55	49
5	51	49	-2	-3.9%	49	74	52	47	55
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	302	304*	2	0.7%	310	312	294	294	298

*Includes 16 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	40	254		
2004	51	264	10	3.9%
2005	41	275	11	4.2%
2006	52	295	20	7.3%
2007	41	281	-14	-4.7%
2008	43	276	-5	-1.8%
2009	51	277	1	0.4%
2010	43	298	21	7.6%
2011	46	302	4	1.3%
2012	50	304	2	0.7%

Peak enrollment year: 2012, 304 students

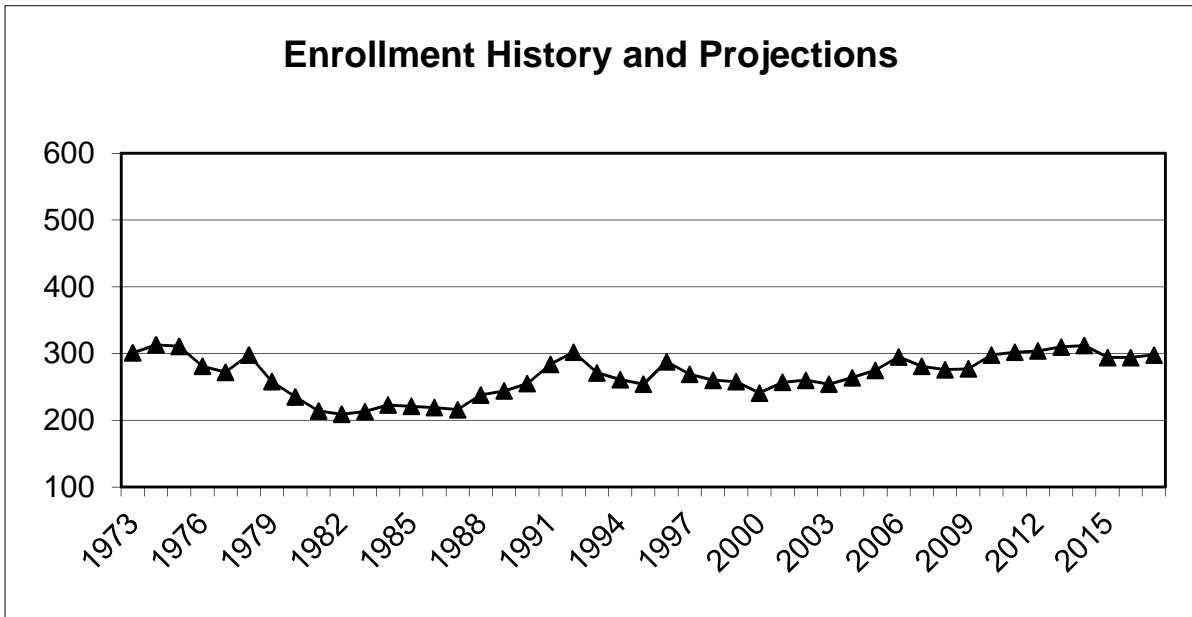
Williams

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	37	90.2%	4	9.8%	41
2006	44	84.6%	8	15.4%	52
2007	37	90.2%	4	9.8%	41
2008	37	86.0%	6	14.0%	43
2009	46	90.2%	5	9.8%	51
2010	41	95.3%	2	4.7%	43
2011	46	100.0%	0	0.0%	46
2012	49	98.0%	1	2.0%	50

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	18	2016-2017
2	28	2015-2016
3	24	2014-2015
4	28	2013-2014



Zervas

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
K	40	60	20	50.0%	64	54	55	53	56
1	64	39	-25	-39.1%	65	67	56	57	55
2	44	68	24	54.5%	42	67	69	58	61
3	54	46	-8	-14.8%	73	44	70	72	60
4	60	55	-5	-8.3%	47	75	45	72	74
5	59	57	-2	-3.4%	55	47	75	45	72
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	321	325*	4	1.2%	346	354	370	357	378

*Includes 9 METCO students.

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

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

Three-year ratios are used to project 2013-14 kindergarten enrollment; all other years use a five-year ratio.

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2003	51	284		
2004	46	287	3	1.1%
2005	46	300	13	4.5%
2006	56	332	32	10.7%
2007	52	324	-8	-2.4%
2008	46	328	4	1.2%
2009	45	326	-2	-0.6%
2010	62	349	23	7.1%
2011	40	321	-28	-8.0%
2012	60	325	4	1.2%

Peak enrollment year: 2010, 349 students

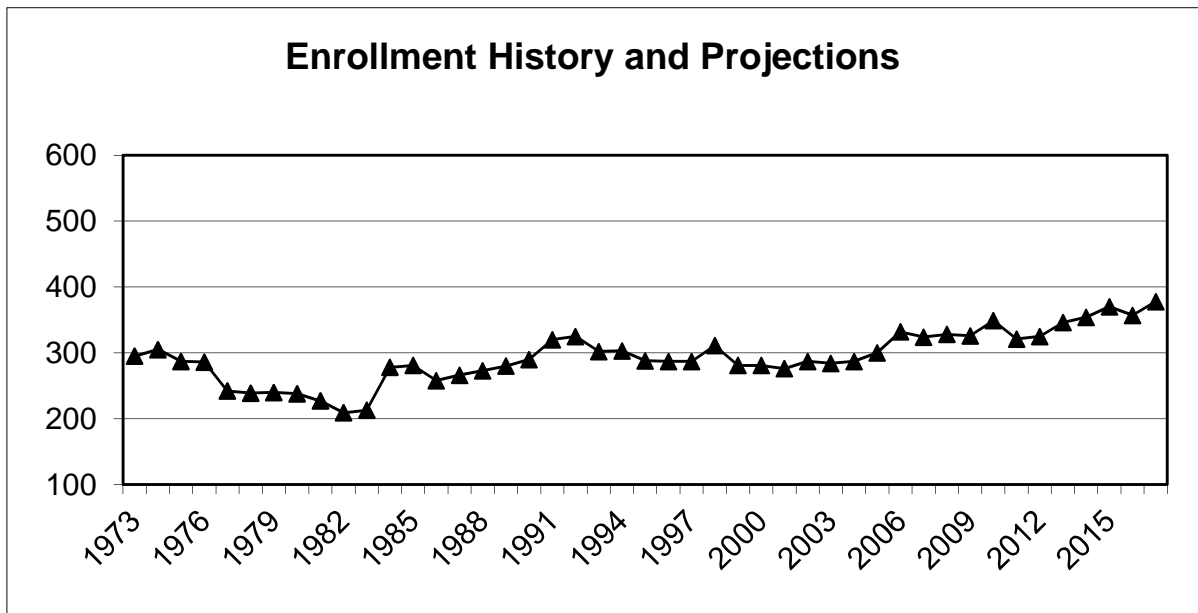
Zervas

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2005	38	82.6%	8	17.4%	46
2006	48	85.7%	8	14.3%	56
2007	40	76.9%	12	23.1%	52
2008	43	93.5%	3	6.5%	46
2009	41	91.1%	4	8.9%	45
2010	58	93.5%	4	6.5%	62
2011	39	97.5%	1	2.5%	40
2012	52	86.7%	8	13.3%	60

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2012 City Census)

Age	Number	Year Entering K
1	21	2016-2017
2	16	2015-2016
3	40	2014-2015
4	46	2013-2014



Bigelow Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
6	191	178	-13	-6.8%	219	180	203	211	203
7	167	186	19	11.4%	178	220	181	204	212
8	175	167	-8	-4.6%	185	176	218	179	202
Total	533	531	-2	-0.4%	582	576	602	594	617
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	533	531*	-2	-0.4%	582	576	602	594	617

*Includes 22 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

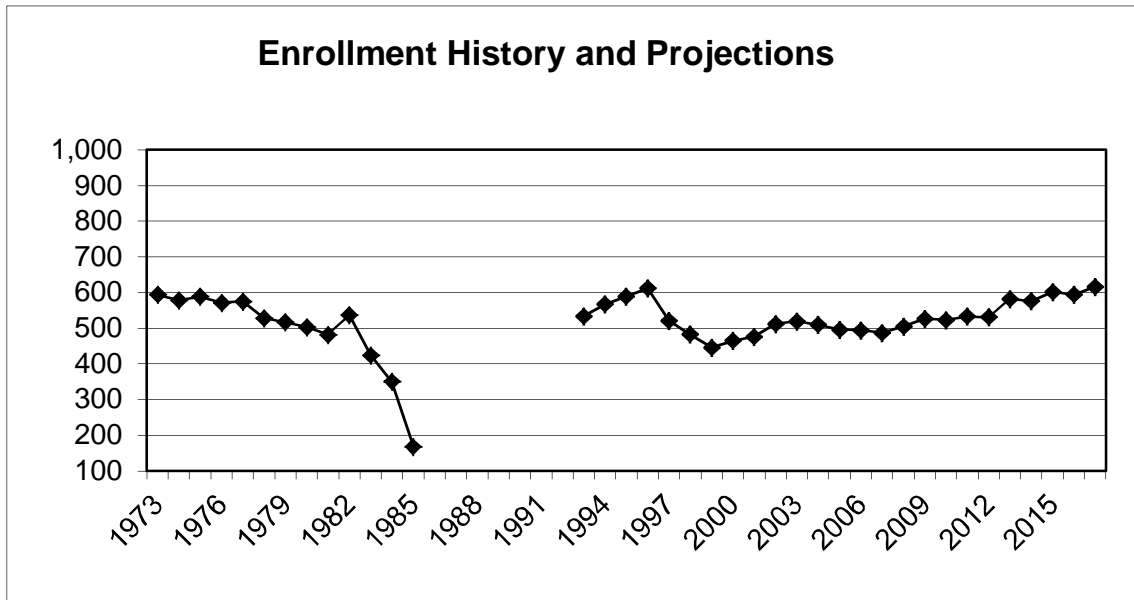
Year	Total Enrollment	Change from Previous Year	Percent Change
2003	520		
2004	510	-10	-1.9%
2005	496	-14	-2.7%
2006	495	-1	-0.2%
2007	487	-8	-1.6%
2008	505	18	3.7%
2009	527	22	4.4%
2010	523	-4	-0.8%
2011	533	10	1.9%
2012	531	-2	-0.4%

Peak enrollment year: 2011, 533 students

Bigelow Middle School

FIFTH GRADE STUDENTS FROM THE BIGELOW FEEDER SCHOOLS

Elementary School	2012-2013 5th Grade Enrollment
Cabot (48%)	34
Lincoln-Eliot	60
Underwood	55
Ward	60
Total	209



Brown Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
6	230	233	3	1.3%	251	233	264	245	226
7	219	230	11	5.0%	235	253	235	266	247
8	224	227	3	1.3%	235	239	258	239	270
Total	673	690	17	2.5%	721	725	757	750	743
Spec. Ed.**	4	8	4	100.0%	8	8	8	8	8
TOTAL	677	698*	21	3.1%	729	733	765	758	751

*Includes 16 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

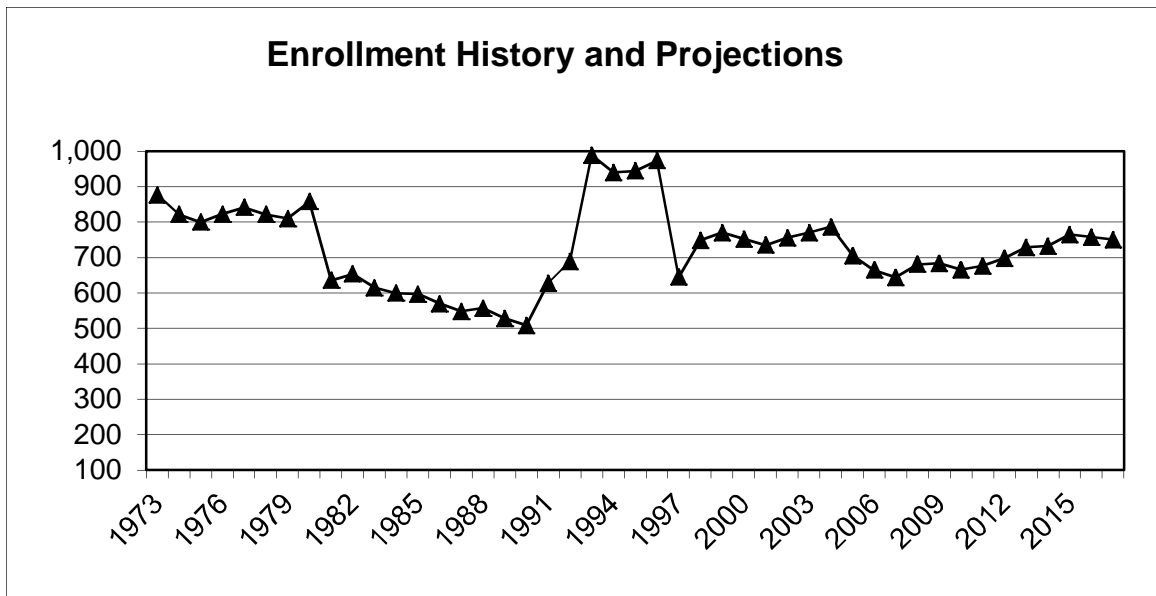
Year	Total Enrollment	Change from Previous Year	Percent Change
2003	770		
2004	787	17	2.2%
2005	705	-82	-10.4%
2006	665	-40	-5.7%
2007	644	-21	-3.2%
2008	681	37	5.7%
2009	684	3	0.4%
2010	666	-18	-2.6%
2011	677	11	1.7%
2012	698	21	3.1%

Peak enrollment year: 2004, 787 students

Brown Middle School

FIFTH GRADE STUDENTS FROM BROWN FEEDER SCHOOLS

Elementary School	2012-2013 5th Grade Enrollment
Angier	72
Countryside	91
Mason-Rice	76
Williams	49
Total	288



Day Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
6	300	279	-21	-7.0%	306	284	295	276	329
7	280	306	26	9.3%	281	307	285	296	277
8	265	289	24	9.1%	307	281	307	285	296
Total	845	874	29	3.4%	894	872	887	857	902
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	845	874*	29	3.4%	894	872	887	857	902

*Includes 23 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

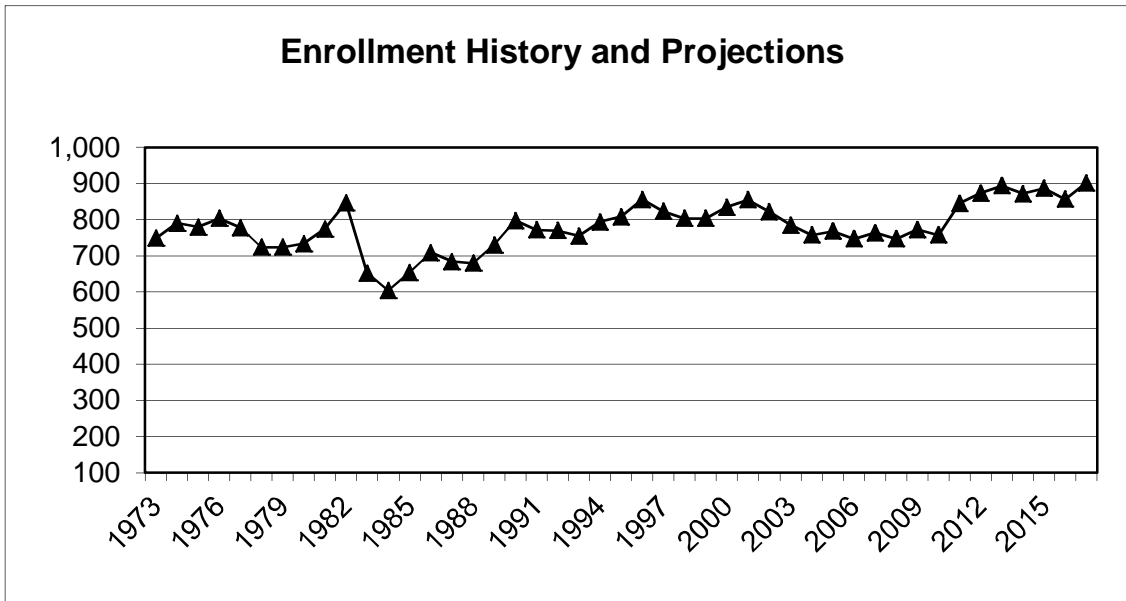
Year	Total Enrollment	Change from Previous Year	Percent Change
2003	785		
2004	758	-27	-3.4%
2005	768	10	1.3%
2006	747	-21	-2.7%
2007	764	17	2.3%
2008	747	-17	-2.2%
2009	773	26	3.5%
2010	758	-15	-1.9%
2011	845	87	11.5%
2012	874	29	3.4%

Peak enrollment year: 2012, 874 students

Day Middle School

FIFTH GRADE STUDENTS FROM THE DAY FEEDER SCHOOLS

Elementary School	2012-2013 5th Grade Enrollment
Burr	70
Cabot (52%)	37
Franklin	74
Horace Mann	53
Peirce	67
Total	301



Oak Hill Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
6	201	210	9	4.5%	217	213	201	240	212
7	209	200	-9	-4.3%	210	216	212	199	239
8	202	206	4	2.0%	200	209	215	211	199
Total	612	616	4	0.7%	627	638	628	650	650
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	612	616*	4	0.7%	627	638	628	650	650

*Includes 23 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

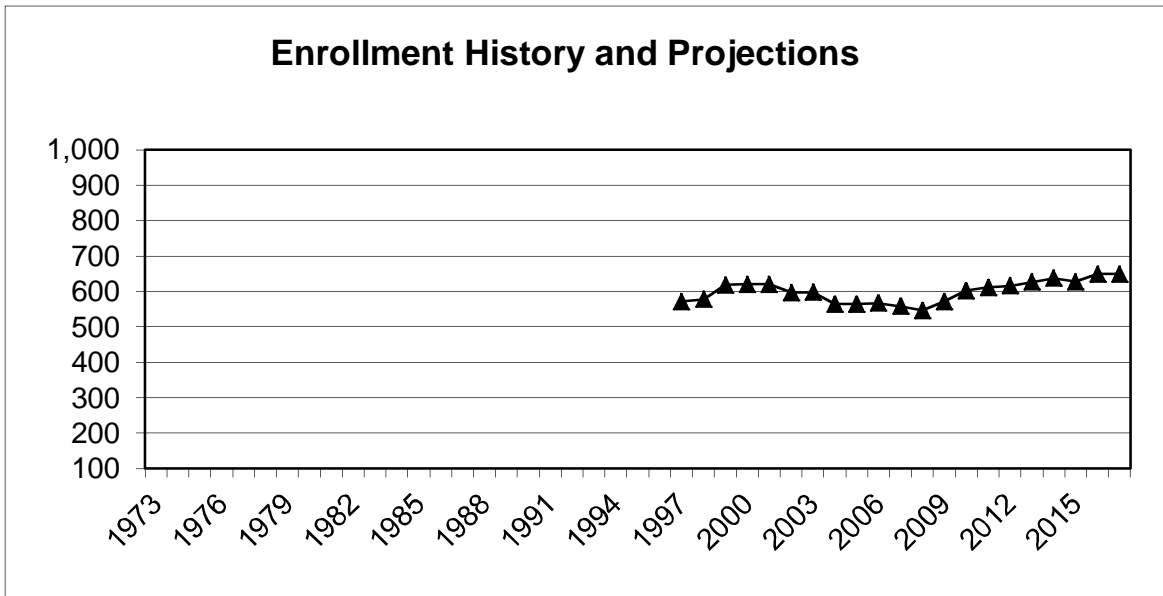
Year	Total Enrollment	Change from Previous Year	Percent Change
2003	598		
2004	565	-33	-5.5%
2005	565	0	0.0%
2006	567	2	0.4%
2007	558	-9	-1.6%
2008	547	-11	-2.0%
2009	572	25	4.6%
2010	603	31	5.4%
2011	612	9	1.5%
2012	616	4	0.7%

Peak enrollment year: 2012, 616 students

Oak Hill Middle School

FIFTH GRADE STUDENTS FROM THE OAK HILL FEEDER SCHOOLS

Elementary School	2012-2013 5th Grade Enrollment
Bowen	83
Memorial-Spaulding	83
Zervas	57
Total	223



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				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
9	439	484	45	10.3%	491	529	493	564	501
10	481	450	-31	-6.4%	488	496	535	499	570
11	435	490	55	12.6%	451	488	496	535	499
12	437	437	0	0.0%	489	448	486	494	532
TOTAL	1,792	1,861	69	4%	1,919	1,961	2,010	2,092	2,102
Post Grads	0	0	0	0	0	0	0	0	0
Spec. Ed.*	85	79	-6	-7%	79	79	79	79	79
TOTAL	1,877	1,940**	63	3.4%	1,998	2,040	2,089	2,171	2,181

**Includes 59 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

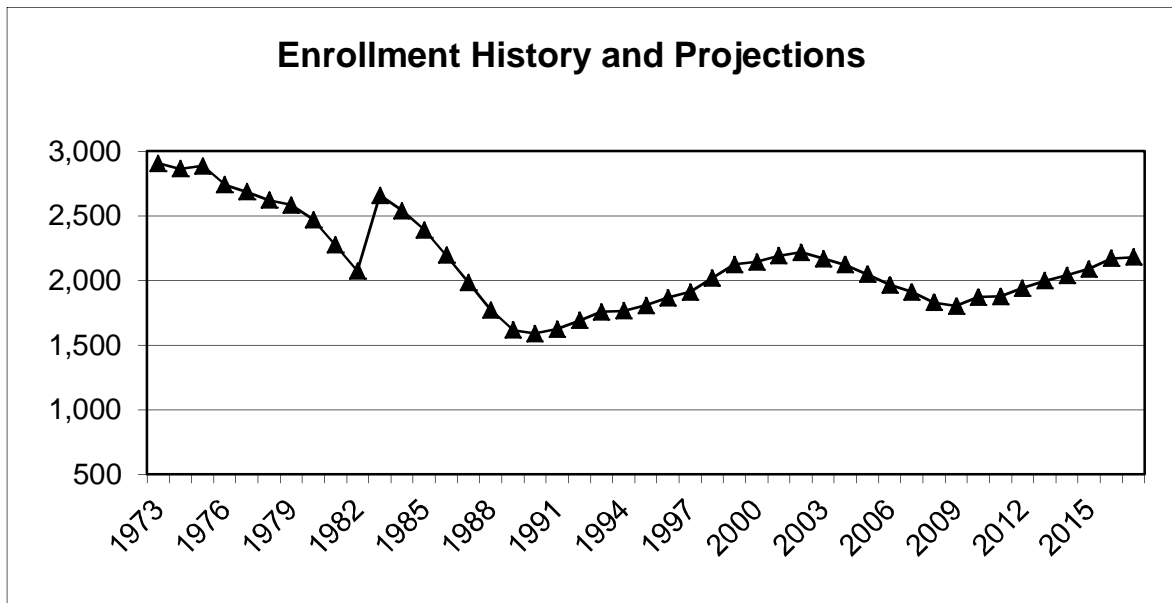
Year	Total Enrollment	Change from Previous Year	Percent Change
2003	2,169		
2004	2,121	-48	-2.2%
2005	2,047	-74	-3.5%
2006	1,964	-83	-4.1%
2007	1,911	-53	-2.7%
2008	1,829	-82	-4.3%
2009	1,802	-27	-1.5%
2010	1,871	69	3.8%
2011	1,877	6	0.3%
2012	1,940	63	3.4%

Peak enrollment year: 2003, 2169 students

North High School

EIGHTH GRADE STUDENTS FROM THE NORTH FEEDER SCHOOLS

Middle School	2012-2013 8th Grade Enrollment
Bigelow	167
Brown (10%)	23
Day	289
Total	479



South High School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2011 FY12	2012 FY13	N	%	2013 FY14	2014 FY15	2015 FY16	2016 FY17	2017 FY18
9	436	447	11	2.5%	447	448	462	487	464
10	415	436	21	5.1%	452	451	452	467	491
11	408	407	-1	-0.2%	433	448	447	448	463
12	393	408	15	3.8%	404	430	445	444	445
TOTAL	1,652	1,698	46	3%	1,736	1,777	1,806	1,846	1,863
Post Grads	0	0	0	0	0	0	0	0	0
Spec. Ed.*	39	23	-16	-41%	23	23	23	23	23
TOTAL	1,691	1,721**	30	1.8%	1,759	1,800	1,829	1,869	1,886

**Includes 59 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

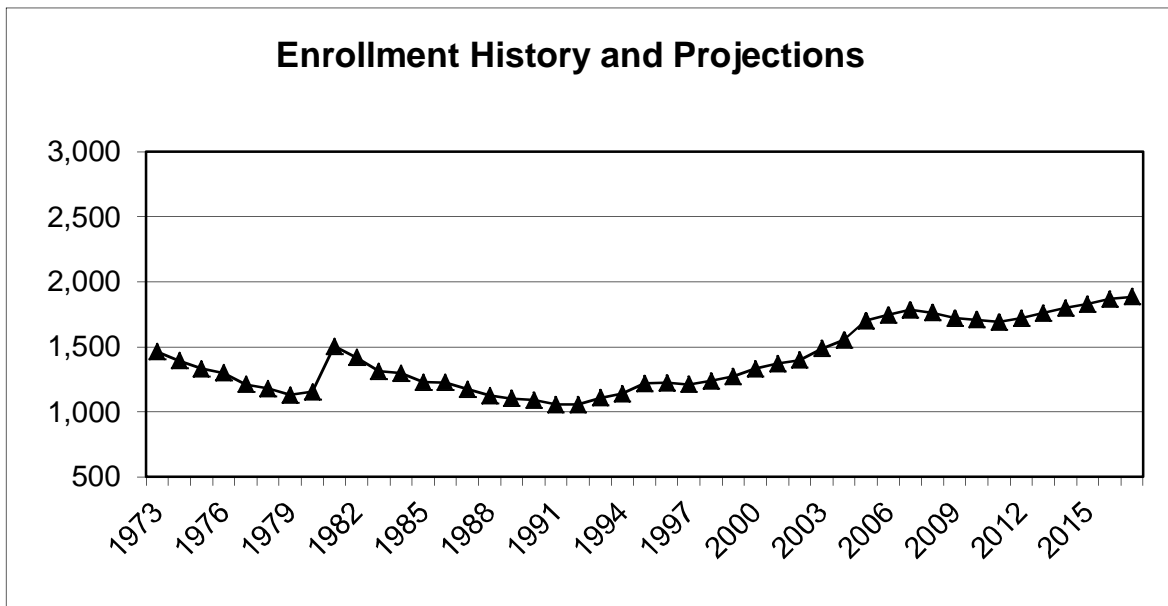
Year	Total Enrollment	Change from Previous Year	Percent Change
2003	1,487		
2004	1,552	65	4.4%
2005	1,701	149	9.6%
2006	1,745	44	2.6%
2007	1,784	39	2.2%
2008	1,763	-21	-1.2%
2009	1,722	-41	-2.3%
2010	1,708	-14	-0.8%
2011	1,691	-17	-1.0%
2012	1,721	30	1.8%

Peak enrollment year: 2007, 1784 students

South High School

EIGHTH GRADE STUDENTS FROM THE SOUTH FEEDER SCHOOLS

Middle School	2012-2013 8th Grade Enrollment
Brown (90%)	204
OakHill	206
Total	410



V. STUDENT EXITS, ENTRANCES AND TRANSFERS

STUDENT EXITS, ENTRANCES AND TRANSFERS

This section reports on student mobility in Newton Public Schools due to the movement of students not resulting from grade promotion. Student mobility is embedded in the cohort survival ratios utilized in the enrollment projections that are the focus of this report. This section provides statistics for the 2011-12 school year on student exits and entrances in the district, as well as transfers among schools. In 2011-12, new students comprised 6.3% of the total student population, not including kindergarten. Student exits in the same year, not including graduates, made up 5.7% of the total population, 0.6% less than the population of new students. Unlike the previous two years, in 2011-12 there were more student entrances than student exits as a percentage of the total student population. Note that this is the third year that statistics in this section have included student entrance data.

Student Exit Statistics

In 2011-12, a total of 680 students, or 5.7%, left their schools during or after the close of the academic year, not including graduates. This is 84 fewer students than in the prior year (2010-11) when there were 764 student exits. The largest annual decline is seen in the category of students who left to attend non-public/private school (-77 students) followed by a decline in the category of students who left due to a special education placement (-16 students).

The elementary level maintained the same number of student exits although fewer students transferred to private school and there were more students who moved out of Newton. The middle school and high school grade levels had fewer student exits in all categories.

The following tables provide the total number of exiting students by school and grade level, and by reason for exit.

SUMMARY ALL GRADES SEPTEMBER 2011 - AUGUST 2012

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
2011-12 All Grades	143	331	134	39	33	680
% of Total Enrollment	1.2%	2.8%	1.1%	0.3%	0.3%	5.7%
2010-11 All Grades	147	319	211	55	32	764
% of Total Enrollment	1.2%	2.7%	1.8%	0.5%	0.3%	6.5%
Difference	-4	12	-77	-16	1	-84

TABLE 17
EXITING ELEMENTARY SCHOOL STUDENTS
SEPTEMBER 2011 - AUGUST 2012

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	11	11	7	2	1	32
Bowen	12	17	7			36
Burr	2	14	3		1	20
Cabot	8	22	6	5		41
Countryside	2	36	2		1	41
Franklin	2	17	4	1	1	25
Horace Mann	6	14		1	1	22
Lincoln-Eliot	2	23	1			26
Mason-Rice	10	12	9	1		32
Memorial-Spaulding	10	13	10	1	1	35
Peirce	7	12	18			37
Underwood		8	4			12
Ward	11	2	3	1	1	18
Williams	4	18	2			24
Zervas	4	14	3	2	2	25
2011-12 Total	91	233	79	14	9	426
% of Elementary Enrollment	1.6%	4.1%	1.4%	0.2%	0.2%	7.5%
2010-11 Total	78	215	113	16	5	427
% of Elementary Enrollment	1.4%	3.8%	2.0%	0.3%	0.1%	7.6%
Difference	13	18	-34	-2	4	-1

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

**TABLE 18
EXITING MIDDLE SCHOOL STUDENTS
SEPTEMBER 2011 - AUGUST 2012**

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	4	6	7	1	2	20
Brown	6	13	9	3	2	33
Day	3	19	9	4	2	37
Oak Hill	15	8	11			34
2011-12 Total	28	46	36	8	6	124
% of Middle School Enrollment	1.0%	1.7%	1.3%	0.3%	0.2%	4.6%
2010-11 Total	37	53	69	15	3	177
% of Middle School Enrollment	1.4%	2.1%	2.7%	0.6%	0.1%	6.9%
Difference	-9	-7	-33	-7	3	-53

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

**TABLE 19
EXITING HIGH SCHOOL STUDENTS
SEPTEMBER 2011 - AUGUST 2012**

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	9	33	6	12	14	74
South High	15	19	13	5	4	56
2011-12 Total	24	52	19	17	18	130
% of High School Enrollment	0.7%	1.5%	0.5%	0.5%	0.5%	3.6%
2010-11 Total	32	51	29	24	24	160
% of High School Enrollment	0.9%	1.4%	0.8%	0.7%	0.7%	4.5%
Difference	-8	1	-10	-7	-6	-30

A history of student exits for the past three years is shown below. In 2011-12, the overall decrease in student exits is caused by proportionally fewer exits from middle schools and high schools and a similar proportion of student exits at the elementary level. At the middle school level, student exits are lower by almost 30% when compared to the previous two years when the proportion of student exits was similar. At the high school level, there were almost 20% fewer student exits last year than in the previous year.

**TABLE 20
TOTAL STUDENT EXITS
Three Year History**

School	2009-10	2010-11	# % Change	2011-12	# % Change
Angier	27	29	2	32	3
Bowen	35	31	-4	36	5
Burr	16	23	7	20	-3
Cabot	28	31	3	41	10
Countryside	41	41	0	41	0
Franklin	17	12	-5	25	13
Horace Mann	25	24	-1	22	-2
Lincoln-Eliot	28	27	-1	26	-1
Mason-Rice	27	50	23	32	-18
Memorial-Spaulding	30	36	6	35	-1
Peirce	35	33	-2	37	4
Underwood	22	15	-7	12	-3
Ward	27	31	4	18	-13
Williams	17	24	7	24	0
Zervas	16	20	4	25	5
Total Elementary	391	427	36	426	-1
% Elementary Enrollment	7.1%	7.6%	9.2%	7.5%	-0.2%
Bigelow	25	29	4	20	-9
Brown	52	53	1	33	-20
Day	61	48	-13	37	-11
Oak Hill	37	47	10	34	-13
Total Middle School	175	177	2	124	-53
% Middle School Enrollment	6.8%	6.9%	1.1%	4.6%	-29.9%
North High	79	89	10	74	-15
South High	59	71	12	56	-15
Total High School	138	160	22	130	-30
% High School Enrollment	3.9%	4.5%	15.9%	3.6%	-18.8%
Grand Total	704	764	60	680	-84
% Total Enrollment	6.1%	6.5%	8.5%	5.7%	-11.0%

Table 21 provides a history of student exits to private schools at the elementary, middle and high school levels since 2005-06. Overall, there were fewer student exits to private school in 2011-12 which fell to the lowest level since 2005-06. The number and percentage of exits in transition years after the completion of elementary school and middle school to highlight changes in school enrollment that often occur at the end of a grade level. In 2011-12, there was a percentage point drop in student exits to private school in middle school, unlike the previous years when there were steady, higher percentages of student exits.

TABLE 21
HISTORY OF EXITS TO NON-PUBLIC SCHOOLS

Level	ACADEMIC YEAR						
	05-06	06-07	07-08	08-09	09-10	10-11	11-12
All Elementary	69	93	109	98	81	113	79
% of Elementary Enrollment	1.3%	1.7%	2.0%	1.8%	1.6%	2.0%	1.4%
<i>Grade 5*</i>	29	37	54	51	35	50	34
<i>% of Elementary Enrollment</i>	0.6%	0.7%	1.0%	0.9%	1.4%	0.9%	0.6%
All Middle School	57	60	61	64	59	69	36
% of Middle School Enrollment	2.2%	2.4%	2.5%	2.6%	2.3%	2.7%	1.0%
<i>Grade 8*</i>	32	30	34	33	21	41	20
<i>% of Middle School Enrollment</i>	1.3%	1.2%	1.4%	1.3%	0.8%	1.6%	0.6%
All High School	28	31	37	23	27	29	19
% of High School Enrollment	0.7%	0.8%	1.0%	0.6%	0.8%	0.8%	0.2%
Grand Total	154	184	207	185	167	211	134
% of Total Enrollment	1.3%	1.6%	1.8%	1.6%	1.4%	1.8%	1.1%

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

The number of student exits to non-public or private school by grade is provided as follows in Tables 22, 23 and 24 for the elementary, middle and high school grade levels. The grade and private school enrollment is reported for all students exiting Newton Public Schools to enroll in a private school (not including special education placements).

TABLE 22
ELEMENTARY SCHOOL STUDENT EXITS TO NON-PUBLIC SCHOOL
SEPTEMBER 2011 - AUGUST 2012

	GRADE							PRIVATE SCHOOL NAME
	K	1	2	3	4	5	Total	
ELEMENTARY SCHOOLS				1		1	2	BBN
						3	3	Beaver Country Day
				2			2	Brimmer & May
					1		1	Carroll School
		1		1			2	Chestnut Hill School
			1			1	2	Dana Hall
		1			1		2	Dedham Country Day
	1		1	1	2	2	7	Fessenden
		1				1	2	Holy Name Parish School
		2			2		4	Jackson School
						1	1	Learning Prep
	2						2	Maimonides
					1	2	3	Meadowbrook School
						1	1	Mount Alvernia
					1	1	2	Newton Country Day
	1	1	1		2	6	11	Park School
						2	2	Rivers
	1			1	1		3	Saint Joseph School
					1	2	3	Shady Hill
			1				1	Solomon Schechter
			1			1	Ten Acre	
				1	5	6	Winsor School	
	1				1	2	British International School	
1	1	2	2	3	5	14	Unknown	
2011-12 TOTAL	6	8	6	9	16	34	79	
% TOTAL ELEMENTARY ENROLLMENT							0.6%	

TABLE 23
MIDDLE SCHOOL STUDENT EXITS TO NON-PUBLIC SCHOOL
SEPTEMBER 2011 - AUGUST 2012

	GRADE				PRIVATE SCHOOL NAME
	6	7	8	TOTAL	
MIDDLE SCHOOLS			1	1	Arlington Catholic
			1	1	BC High School
			4	4	Beaver Country Day
			1	1	Boston University Academy
			3	3	Cambridge School of Weston
	1	1		2	Catholic Memorial
			2	2	Commonwealth School
			1	1	Dana Hall
		1		1	Dexter School
			1	1	Gann Academy
	1		1	2	Noble & Greenough
		1		1	North Country School
	1		1	2	Rivers
	3			3	Roxbury Latin
1			1	Ursuline Academy	
3	3	4	10	Unknown	
2011-12 TOTAL	10	6	20	36	
% TOTAL ENROLLMENT				1.3%	

TABLE 24
HIGH SCHOOL STUDENT EXITS TO NON-PUBLIC SCHOOL
SEPTEMBER 2011 - AUGUST 2012

	GRADE					PRIVATE SCHOOL NAME
	9	10	11	12	Total	
NNHS / SHHS	1	1			2	Cambridge School of Weston
	1				1	Commonwealth School
	1				1	Cushing Academy
	1				1	Dana Hall
		1	1		2	Dexter School
	1				1	German School
		1			1	Governor's Academy
			1		1	Lawrence Academy
	1				1	Thayer Academy
		6	1	1	8	Unknown
2011-12 TOTAL	6	9	3	1	19	
% TOTAL ENROLLMENT					0.5%	

Student Entrance Statistics

A total of 756 (6.3%) students entered Newton Public Schools in 2011-2012 who had not been students in the previous academic year, not including kindergarten. This is 77 more student enrollments than in the prior year when there were 679 (5.8%) student entrances. The largest annual increase is seen in the category of students who have moved in to Newton from outside of Massachusetts followed by the category of students who enrolled from private school.

The elementary level had the greatest annual increase in the number of students moving in to Newton; there was an increase of 71 students from the prior year. The middle school grade level had an overall decrease in student entrances (-4 students) while the high school grade level had an increase of 10 students over the prior year. All grade levels experienced increases from students moving in from outside of Massachusetts. All three grade levels also experienced increases in student enrollments from private schools.

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 2011 - June 2012

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
2011-12 All Grades	253	178	149	176	756
% of Total Enrollment	2.1%	1.5%	1.2%	1.5%	6.3%
2010-11 Total	366	72	124	117	679
% of Total Enrollment	3.1%	0.6%	1.1%	1.0%	5.8%
Difference	-113	106	25	59	77

* 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 2011 - June 2012

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
Angier	23	4	8	7	42
Bowen	10	9	7	8	34
Burr	10	12	2	4	28
Cabot	9	13	5	5	32
Countryside	13	8	7	5	33
Franklin	10	5	2	3	20
Horace Mann	14	8	5	4	31
Lincoln-Eliot	21	13	1	7	42
Mason-Rice	5	10	9	11	35
Memorial-Spaulding	9	10	12	3	34
Peirce	2	5	7	2	16
Underwood	5	5	3	2	15
Ward	11	2	5	2	20
Williams	9	5	7	2	23
Zervas	5	5	2	4	16
2011-12 Total	156	114	82	69	421
% of Elementary Enrollment	2.7%	2.0%	1.4%	1.2%	7.4%
2010-11 Total	223	48	44	35	350
% of Elementary Enrollment	3.9%	0.9%	0.8%	0.6%	6.2%
Difference	-67	66	38	34	71

* 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 2011 - June 2012

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
Bigelow	18	2	2	5	27
Brown	25	5	4	4	38
Day	19	8	9	6	42
Oak Hill	4	8	12	6	30
2011-12 Total	66	23	27	21	137
% of Middle School Enrollment	2.5%	0.9%	1.0%	0.8%	5.1%
2010-11 Total	85	9	31	16	141
% of Middle School Enrollment	3.3%	0.4%	1.2%	0.6%	5.5%
Difference	-19	14	-4	5	-4

* 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 2011 - June 2012

School	Enrolled from MA*	Enrolled from outside of MA	Enrolled from outside of the Country	Enrolled from Private School	Total
North High	19	17	20	44	100
South High	12	24	20	42	98
2011-12 Total	31	41	40	86	198
% of High School Enrollment	0.9%	1.1%	1.1%	2.4%	5.5%
2010-11 Total	58	15	49	66	188
% of High School Enrollment	1.6%	0.4%	1.4%	1.8%	5.3%
Difference	-27	26	-9	20	10

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

Student Transfers within the System

Students change schools following a change of residence or due to an approved out-of-assigned district placement. The students reported below continue their enrollment as Newton students, but have exited one school to attend another within the system.

**TABLE 28
STUDENT EXITS TO ANOTHER NEWTON SCHOOL
SEPTEMBER 2010 - AUGUST 2011**

School	Moved or Transferred to Another Newton School*	Transferred to Another Newton School on an Out-of-Assigned District Basis**	Total
Angier	1		1
Bowen	2	2	4
Burr	3		3
Cabot		2	2
Countryside	3	7	10
Franklin	2	1	3
Horace Mann		1	1
Lincoln-Eliot	2	6	8
Mason-Rice	3		3
Memorial-Spaulding	2		2
Peirce	1		1
Underwood		3	3
Ward		1	1
Williams	1		1
Zervas	2	1	3
2011-12 Total	22	24	46
% of Elementary Enrollment	0.4%	0.4%	0.8%
Bigelow		3	3
Brown	1	18	19
Day	1	3	
Oak Hill	3	1	4
2011-12 Total	5	25	30
% of Middle School Enrollment	0.2%	0.9%	1.1%
North High	1		1
South High	1	6	7
2011-12 Total	2	6	8
% of High School Enrollment	0.1%	0.2%	0.2%
2011-12 Total All Grades	29	55	84
% of Total Enrollment	0.2%	0.5%	0.7%

* Moved physical residence or transferred due to another reason than an out-of-assigned district placement.

** Out-of-assigned district placements may be approved prior to kindergarten entrance and these placements are included.

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, 2012 is 404. Of the 404 students, 50% are enrolled in the elementary schools, 21% at the middle schools and 29% at the high schools.

**TABLE 1
2012-13 METCO ENROLLMENT
BY SCHOOL AND GRADE**

School	Grade						Special Education*	Total	
	K	1	2	3	4	5			
Angier	3	0	3	8	8	5	0	27	
Bowen	1	4	4	4	3	3	0	19	
Burr	0	0	0	2	0	1	0	3	
Cabot	1	1	1	8	1	4	0	16	
Countryside	0	0	0	0	0	0	0	0	
Franklin	2	1	2	0	4	3	0	12	
Horace Mann	0	2	2	1	3	1	0	9	
Lincoln-Eliot	0	4	2	2	3	9	0	20	
Mason-Rice	0	0	0	0	0	3	0	3	
Memorial-Spaulding	1	2	4	4	8	5	0	24	
Peirce	2	3	4	2	4	4	0	19	
Underwood	3	2	1	1	7	2	0	16	
Ward	0	1	2	4	2	0	0	9	
Williams	3	1	2	4	0	6	0	16	
Zervas	0	2	0	1	1	5	0	9	
Total Elementary	16	23	27	41	44	51	0	202	
Grade level as % of all METCO students								50.0%	
				6	7	8			
Bigelow				7	4	10	1	22	
Brown				7	5	4	0	16	
Day				5	8	10	0	23	
Oak Hill				7	6	10	0	23	
Total Middle				26	23	34	1	84	
Grade level as % of all METCO students								20.8%	
				9	10	11	12		
North High				18	13	13	14	1	59
South High				16	11	18	13	1	59
Total High School				34	24	31	27	2	118
Grade level as % of all METCO students								29.2%	
Grand Total								404	

* 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 5 students, or -0.6% 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 778 students this year versus 783 students one year ago. The English Language Learners population has grown by 462 students, or 146%, since 1990.

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

Year (as of 10/1)	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%

Table 3 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 represent 17% of the total program enrollment in 2012-13.

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

Language	2010-11			2011-12			2010-11 vs. 2011-12			2012-13			2011-12 vs. 2012-13		
	K-5	6-12	Total	K-5	6-12	Total	K-5	6-12	Total	K-5	6-12	Total	K-5	6-12	Total
Chinese (All Forms)	116	68	184	101	44	145	-15	-24	-39	129	70	199	28	26	54
Russian	82	16	98	93	27	120	11	11	22	110	21	131	17	-6	11
Spanish	84	43	127	81	43	124	-3	0	-3	70	33	103	-11	-10	-21
Korean	44	30	74	42	28	70	-2	-2	-4	53	27	80	11	-1	10
Japanese	19	6	25	16	6	22	-3	0	-3	23	4	27	7	-2	5
Hebrew	41	8	49	45	13	58	4	5	9	44	15	59	-1	2	1
Portuguese	19	12	31	23	16	39	4	4	8	24	19	43	1	3	4
Other	119	59	178	135	70	205	16	11	27	96	40	136	-39	-30	-69
Total	524	242	766	536	247	783	12	5	17	549	229	778	13	-18	-5

Students with Special Education Services (Table 4)

The following table reports five years of history of the distribution of special education students by placement type and grade level. Program placement type is defined according to the time out of the regular classroom environment required by a special education placement. The majority of students with special education services are fully included in the general education classroom, with less than 21% of time spent outside of the classroom. For all grade levels combined, the percentage of students with special education services in the Newton Public Schools is 19.0%. This is a net *decrease* of 28 students over last school year when 19.7% of students had special education placements. The elementary and middle school grade levels decreased by 25 students and 14 students, respectively, while the high school grade level increased by 11 students. Ten year trends in the distribution of students by special education placement and grade level are illustrated in the graph at the end of the section.

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

October 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%
Senior 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 2,380 (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%
Senior 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%).

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

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%
Senior High	540	131	106	6	60	12	0	2	857	23.9%
Total	1,670	292	198	8	96	14	0	2	2,280	19.4%

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

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

October 2009

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

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

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

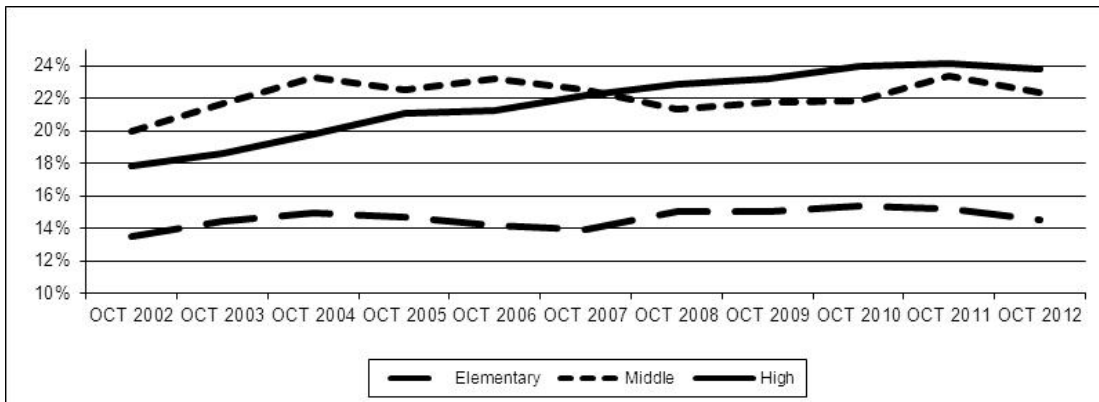
October 2008

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	713	52	52	0	7	0	0	0	824	15.0%
Middle	392	106	9	0	17	2	0	2	528	21.3%
Senior High	524	134	85	7	56	15	0	0	821	22.9%
Total	1,629	292	146	7	80	17	0	2	2,173	18.8%

*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 (121) were included in this table, the total Special Education population would be 2,294 (19.8%).

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 decreased by 22 students since last year, and is currently 538 students. The number of non-resident students enrolled in the Newton Schools is low this year at 4.4% of school enrollment as compared to last year's decade high of 560 students, or 4.7% of school enrollment.

**TABLE 5
NON-RESIDENT STUDENTS
OCTOBER 1, 2011 AND OCTOBER 1, 2012**

Category	2011-12	2012-13	Difference	% Change
METCO Program Students	422	404	-18	-4.3%
Tuition-In Students	2	4	2	100.0%
Hearing Impaired (EDCO)	34	31	-3	-8.8%
Faculty Children	91	93	2	2.2%
Approved to Attend*	11	6	-5	-45.5%
TOTAL	560	538	-22	-3.9%

* 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 2012

Elementary District	School Attending	K	1	2	3	4	5	Total	Total Students in		2011-12 Number of Students	2011-12 % of District
									District including Out-of-Assigned District Students	% of District Students		
Buffer Zones												
ANGIER-WILLIAMS												
	Angier	3	2	10	4	6	3	28	64	44%	26	43%
	Williams	8	8	3	7	5	4	35	64	56%	34	57%
	<i>Subtotal</i>	11	10	13	11	11	7	63	64	100%	60	100%
ANGIER-COUNTRYSIDE (New in 2011-12)												
	Angier	24	18	3	3	4	1	53	213	27%	20	10%
	Countryside	17	15	32	25	22	35	146	213	73%	171	90%
	<i>Subtotal</i>	41	33	35	28	26	36	199	213	100%	191	100%
BOWEN-COUNTRYSIDE (Expanded in 2011-12)												
	Bowen	5	4	0	1	0	0	10	65	17%	4	7%
	Countryside	6	6	9	9	11	9	50	65	83%	52	93%
	<i>Subtotal</i>	11	10	9	10	11	9	60	65	100%	56	100%
BOWEN-MASON-RICE												
	Bowen	2	2	3	4	3	5	19	52	37%	20	48%
	Mason-Rice	10	6	5	4	3	4	32	52	63%	22	52%
	<i>Subtotal</i>	12	8	8	8	6	9	51	52	100%	42	100%
BURR-WILLIAMS (Expanded in 2012-13)												
	Burr	3	8	5	4	5	3	28	60	50%	24	48%
	Williams	9	1	4	7	3	4	28	60	50%	26	52%
	<i>Subtotal</i>	12	9	9	11	8	7	56	60	100%	50	100%
COUNTRYSIDE-MEMORIAL-SPAULDING												
	Countryside	0	0	0	0	0	0	0	8	0%	1	11%
	Memorial-Spauldning	2	2	0	0	2	2	8	8	100%	8	89%
	<i>Subtotal</i>	2	2	0	0	2	2	8	8	100%	9	100%
COUNTRYSIDE-ZERVAS												
	Countryside	0	0	1	0	0	0	1	4	100%	3	100%
	Zervas	0	0	0	0	0	0	0	4	0%	0	0%
	<i>Subtotal</i>	0	0	1	0	0	0	1	4	100%	3	100%
FRANKLIN-BURR (Expanded in 2012-13)												
	Burr	4	3	4	5	2	5	23	44	55%	7	39%
	Franklin	5	4	4	2	3	1	19	44	45%	11	61%
	<i>Subtotal</i>	9	7	8	7	5	6	42	44	100%	18	100%
FRANKLIN-HORACE MANN												
	Franklin	2	1	0	1	0	0	4	41	10%	4	10%
	Horace Mann	7	9	7	6	4	4	37	41	90%	35	90%
	<i>Subtotal</i>	9	10	7	7	4	4	41	41	100%	39	100%
HORACE MANN-LINCOLN-ELIOT												
	Horace Mann	1	8	2	6	3	1	21	29	81%	22	85%
	Lincoln-Eliot	0	0	1	0	2	2	5	29	19%	4	15%
	<i>Subtotal</i>	1	8	3	6	5	3	26	29	100%	26	100%
MASON-RICE-WARD												
	Mason-Rice	6	7	7	7	12	8	47	60	78%	49	88%
	Ward	2	1	2	4	3	1	13	60	22%	7	13%
	<i>Subtotal</i>	8	8	9	11	15	9	60	60	100%	56	100%

**APPENDIX B
TABLE 6
Elementary Students by District with Buffer Zones
October 2012**

Elementary District	School Attending	K	1	2	3	4	5	Total	Total Students in		2011-12 Number of Students	2011-12 % of District
									District including Out-of-Assigned District Students	% of District Students		
UNDERWOOD-WARD	Underwood	1	1	0	0	1	0	3	10	43%	2	29%
	Ward	0	0	1	1	1	1	4	10	57%	5	71%
	<i>Subtotal</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>1</i>	<i>2</i>	<i>1</i>	<i>7</i>	<i>10</i>	<i>100%</i>	<i>7</i>	<i>100%</i>
WILLIAMS-PEIRCE	Peirce	11	15	7	12	8	15	68	89	77%	58	85%
	Williams	0	1	3	7	4	5	20	89	23%	10	15%
	<i>Subtotal</i>	<i>11</i>	<i>16</i>	<i>10</i>	<i>19</i>	<i>12</i>	<i>20</i>	<i>88</i>	<i>89</i>	<i>100%</i>	<i>68</i>	<i>100%</i>
ZERVAS-MASON-RICE	Mason-Rice	0	0	1	1	1	1	4	6	67%	4	80%
	Zervas	0	0	0	1	0	1	2	6	33%	1	20%
	<i>Subtotal</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>2</i>	<i>1</i>	<i>2</i>	<i>6</i>	<i>6</i>	<i>100%</i>	<i>5</i>	<i>100%</i>
Total Buffer Zones		128	122	114	121	108	115	708	745	100%	630	100%
Regular Districts												
ANGIER	Angier	39	37	52	42	42	60	272	274	6%	295	7%
BOWEN	Bowen	68	63	72	69	72	70	414	427	9%	391	9%
BURR	Burr	58	56	56	59	61	59	349	365	8%	358	8%
CABOT	Cabot	65	59	72	60	65	62	383	403	8%	403	9%
COUNTRYSIDE	Countryside	45	43	37	54	42	42	263	291	6%	244	5%
FRANKLIN	Franklin	54	65	40	66	50	66	341	366	8%	343	8%
HORACE MANN	Horace Mann	53	52	50	43	43	41	282	305	6%	278	6%
LINCOLN-ELIOT	Lincoln-Eliot	44	49	57	42	36	41	269	303	6%	271	6%
MASON-RICE	Mason-Rice	60	44	56	60	54	55	329	333	7%	334	7%
MEMORIAL-SPAULDING	Memorial-Spauldng	66	72	75	68	67	67	415	424	9%	396	9%
PEIRCE	Peirce	37	40	36	33	35	44	225	228	5%	209	5%
UNDERWOOD	Underwood	41	44	44	52	35	45	261	285	6%	245	5%
WARD	Ward	42	47	36	39	35	55	254	260	6%	233	5%
WILLIAMS	Williams	29	29	35	42	34	29	198	209	4%	200	4%
ZERVAS	Zervas	50	30	64	42	53	44	283	295	6%	286	6%
Total Regular Districts		751	730	782	771	724	780	4,538	4,768	100%	4,486	100%
Out-of-Assigned District Students		28	46	26	42	56	69	267			272	
Total Students		907	898	922	934	888	964	5,513	5,513	100%	5,388	

NOTE: The figures in this table are based on preliminary enrollments and are derived from resident students only.

**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 9

CITY OF NEWTON

Residential Property Sales by District January 2005 to August 2012

School District	2005	2006	2007	2008	2009	2010	2011	2012
Angier	67	62	74	43	51	45	67	43
Angier/Williams	7	8	8	6	9	7	7	5
Bowen	179	152	152	130	146	154	144	103
Bowen/Mason-Rice	9	9	8	8	6	6	13	11
Burr	73	58	62	49	55	47	48	30
Burr/Williams	8	6	3	4	4	5	5	5
Cabot	93	77	81	73	48	81	45	57
Countryside	83	57	70	67	53	71	64	42
Countryside/Angier	53	51	59	33	39	33	31	30
Countryside/Bowen	13	12	11	16	15	11	10	3
Countryside/Memorial-Spaulding	3	2	1	3	2	6	4	1
Countryside/Zervas	2	2	2	1	0	2	1	0
Franklin	62	55	76	46	57	77	62	48
Franklin/Burr	3	2	4	1	8	1	5	8
Franklin/Horace Mann	8	9	5	7	7	10	3	3
Horace Mann	54	44	56	41	40	49	29	36
Horace Mann/Lincoln-Eliot	8	7	12	5	4	4	5	8
Lincoln-Eliot	75	80	72	43	45	52	42	42
Mason-Rice	67	58	86	73	53	52	54	39
Mason-Rice/Ward	15	4	12	11	6	7	4	5
Memorial-Spaulding	119	97	93	81	94	102	96	88
Peirce	43	59	61	46	34	41	35	34
Underwood	79	66	54	57	61	49	53	48
Underwood/Ward	4	0	1	5	0	1	1	0
Ward	61	54	59	108	52	40	62	47
Williams	36	65	32	21	33	29	29	19
Williams/Peirce	13	10	9	14	5	10	9	11
Zervas	54	40	53	48	45	50	42	34
Zervas/Mason-Rice	1	3	0	1	1	0	2	2
Totals	1,292	1,149	1,216	1,041	973	1,042	972	802

* Calendar year 2012 information is from January 1, 2012 to August 31, 2012

APPENDIX E

TABLE 10

NESDEC's Projections vs Newton's Projections

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

Level	FY14 2013-14	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18
Elementary	5,837	5,921	5,961	5,989	6,034
Middle	2,824	2,811	2,874	2,851	2,912
High School	3,655	3,738	3,816	3,938	3,965
Special Education	124	124	124	124	124
Total	12,440	12,594	12,775	12,902	13,035

NESDEC's Projections*

Level	FY14 2013-14	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18
Elementary	5,867	5,942	5,909	5,941	5,976
Middle	2,847	2,795	2,867	2,819	2,882
High School	3,662	3,761	3,842	3,983	3,997
Special Education	124	124	124	124	124
Total	12,500	12,622	12,742	12,867	12,979

Difference

Level	FY14 2013-14	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18
Elementary	-30	-21	52	48	58
Middle	-23	16	7	32	30
High School	-7	-23	-26	-45	-32
Special Education	0	0	0	0	0
Total	-60	-28	33	35	56

**Kindergarten Only
Newton's Projections**

Level	FY14 2013-14	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18
Kindergarten	962	904	916	915	928

NESDEC's Projections*

Level	FY14 2013-14	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18
Kindergarten	993	885	866	904	914

Difference

Level	FY14 2013-14	FY15 2014-15	FY16 2015-16	FY17 2016-17	FY18 2017-18
Kindergarten	-31	19	50	11	14

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

APPENDIX F
TABLE 11

Total Enrollment by High School Feeder Patterns

School:	Feeds Into:	Newton North Feeding Schools					Newton South Feeding Schools						
		2012	2013	2014	2015	2016	2017	2012	2013	2014	2015	2016	2017
Cabot (48%)	Bigelow	202	204	207	208	206	212	408	419	421	435	438	440
Lincoln-Eliot	Bigelow	322	329	343	350	342	346	479	471	474	463	446	447
Underwood	Bigelow	310	311	318	312	315	320	401	393	398	395	399	406
Ward	Bigelow	301	297	307	312	321	322	273	278	278	260	259	263
Burr	Day	415	433	440	447	457	461	477	481	485	493	501	513
Cabot (52%)	Day	218	222	224	226	223	230	464	470	472	483	483	480
Franklin	Day	396	398	406	400	422	418	325	346	354	370	357	378
Horace Mann	Day	394	409	411	421	425	412	2,827	2,858	2,882	2,899	2,883	2,927
Peirce	Day	337	321	324	326	332	323	628	656	660	688	682	676
Angier	Brown							616	627	638	628	650	650
Countryside	Brown							1,244	1,283	1,298	1,316	1,332	1,326
Mason-Rice	Brown	37	37	39	40	42	42	1,721	1,759	1,800	1,829	1,869	1,886
Williams	Brown	31	32	34	34	35	35	5,792	5,900	5,980	6,044	6,084	6,139
Bowen	Oak Hill							108	108	80	64	40	55
Memorial-Spaulding	Oak Hill							1.9%	1.9%	1.4%	1.1%	0.7%	0.9%
Zervas	Oak Hill												
Total Elementary		2,963	2,993	3,053	3,076	3,120	3,121	2,827	2,858	2,882	2,899	2,883	2,927
Bigelow	North	531	582	576	602	594	617						
Day	North	874	894	872	887	857	902						
Brown	North (10%); South (90%)	70	73	73	77	76	75						
Oak Hill	South												
Total Middle School		1,475	1,549	1,521	1,566	1,527	1,594	1,244	1,283	1,298	1,316	1,332	1,326
Newton North		1,940	1,998	2,040	2,089	2,171	2,181						
Newton South													
Total All Grade Levels		6,378	6,540	6,614	6,731	6,818	6,896	5,792	5,900	5,980	6,044	6,084	6,139
Change from Prior Year		162	74	117	87	78	78						
% Change		2.5%	1.1%	1.8%	1.3%	1.1%	1.1%						
Difference between North and South		219	239	240	260	302	295						