

Enrollment Analysis Report

2016-2017 to 2021-2022

November 2016

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EXECUTIVE SUMMARY

2016-17 ENROLLMENT ANALYSIS

EXECUTIVE SUMMARY

The Newton Public Schools system-wide K-12 enrollment has increased this year marking its twelfth year in a trend of rising enrollments with 1,389 students (12%) added from 2004 to 2016. The initial years of growth from 2004 – 2009 brought 339 students to the system. The next four years, up to 2014, added another 834 students to the district, the period of steepest growth in this twelve year trend. The 2015-16 year had enrollment that held steady. Last year's small increase in enrollment of 5 students from the previous year is not repeated this year. Current 2016-17 enrollment has increased by 149 students since last year, with growth at all levels and the highest growth at the high school level. The district is projected to increase by an additional 320 students (3%) over the next five years, with growth at the secondary schools and a leveling of enrollment at the elementary schools.

Robust kindergarten enrollment levels near or above 900 students from 2010 to 2014 were followed by lower enrollment in 2015 of 877 students. The current 2016 kindergarten population of 885, together with strong cohort growth in first, second and third grade, resulted an increase to the elementary population of 5,801 students. On average this year, grades within elementary schools have an enrollment of 967 students, with two grades over 1,000 students. Second grade, with 1,042 students, is the largest elementary school class since 1978. By 2019, this class is expected to grow to 1,076 students. In 2020, when this above average sized class moves to sixth grade, the elementary level decreases before growing again to 5,762 students in 2021. These primary growth factors – the size of the incoming class, the size of the outgoing class, and cohort growth – all are expected to play a role in elementary enrollment trends in the next five years.

The middle schools have grown by 407 students (17%) from 2007 to the present; classes were on average 817 students in 2007 and today classes average 953 students. The overall growth trend remains strong, with growth as high as 4% expected in 2020 and an additional 155 middle school students expected over the next five years. The high school growth trend that began in 2012 has resulted in an additional 428 students. With accumulated growth now at 12%, this is the first year there is a high school grade of more than 1,000 students (grade 11) since 1983. The current grade 12 is the smallest high school grade, with 925 students. Strong growth at the secondary level is the result of movement through the system of the earlier elementary growth; three grade levels are expected to have more than 1,000 students in 2019 and 2021. Over the next five years, high school growth of 204 students (5%) is expected.

This school year has seen an increase in enrollment for students currently enrolled as English Language Learners (ELL); there has been growth in the program of 306 students (55%) over ten years. There are 859 ELL students in 2016-17; 611 elementary students are English Learners (11% of the elementary population). The percentage of students receiving special education services is stable at 19.1% this year compared to 19.2% in 2015.

Improved, expanded and unified space for Newton Early Childhood Program (NECP) has been achieved this year at 150 Jackson Road, the former Aquinas College building acquired by Newton in 2015. In the near-term, NECP is located in the main building while plans for a permanent location in the north wing are underway. At the present time, 195 preschool children are served by NECP in early childhood classrooms, or receive therapeutic services

only; enrollment typically increases during the course of the year. Additional information on the preschool population is now included in this report.

When including preschool enrollment and students attending out-of-district special education schools under the auspices of Newton Public Schools, the district’s full enrollment totals 12,997 students. Section V on Student Exits and Entrances and Appendix A on Student Population Detail contain additional information on these student populations.

The K-12 district school current enrollment of 12,657 that is the subject of this report is above the projection of 12,580 students made in November 2015, a system-wide variance from projection of 77 students, or 0.6%. With the exception of the 2015-16 school year, system-wide variances from projection have been under 1% in recent years. In the past 16 years, Newton has had six negative variances when actual enrollment has been lower than projected and ten positive variances when the actual enrollment has been higher than the projection. All three levels are enrolled at higher than anticipated numbers, with 14, 22, and 41 more students than projected at the elementary, middle and high schools, respectively. Substantial cohort growth was evident at all three levels: grades 1 and 2 at the elementary level, grades 7 and 8 at middle school and grades 9, 10 and 11 at high school. In contrast, last year, only grade 1 and grade 9 had robust cohort growth while all other grades were flat.

This report details changes in enrollments by school since last year. It reviews current enrollments as compared with the November 2015 projections, and projects enrollments using five-year historical data considered in the context of local trends in real estate sales, new developments, student mobility, birth data, census data, housing trends and other factors. *There is now a full year of experience built into the projection model from changes to Newton Public Schools elementary student assignment policies, approved in September 2015.* Actual 2016-17 enrollments presented in this report have changed slightly from the Preliminary Enrollment Report of October 24, 2016, with a net decrease of one student.

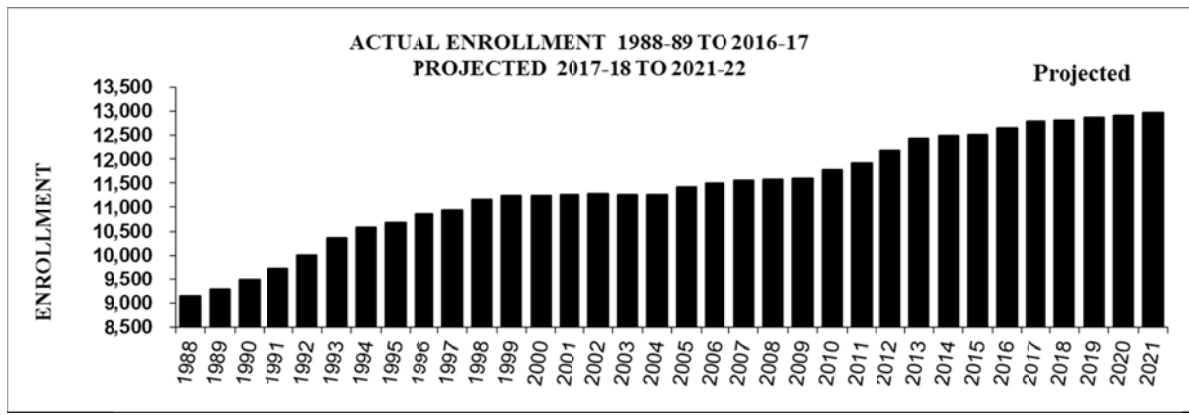
Future Enrollment

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 2016-17 kindergarten projection has been calculated using an adjusted straight four-year average of previous kindergarten enrollments. This is the same basic methodology that has been used since 2013 with a slightly more conservative approach for projecting kindergarten. Using a 4-year average instead of a 5-year average omits one of the three peak kindergarten enrollment years, which lowers the projection. The prior methodology, which used city census data on four year olds as part of the projection, yields kindergarten projections of below 800 students. See Section II entitled *Enrollment Projection Method* for more information and discussion of the full methodology used in this year’s forecast.

Level	Actual 2016-17	Projections Using 5 Year Ratios*				
		2017-18	2018-19	2019-20	2020-21	2021-22
Elementary	5,801	5,845	5,853	5,822	5,738	5,762
Middle	2,860	2,872	2,855	2,888	3,014	3,015
High School	3,996	4,070	4,116	4,173	4,166	4,200
Total	12,657	12,787	12,824	12,883	12,918	12,977

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

The following graph is a representation of more than 30 years of enrollment in the Newton Public Schools, from 1988 to 2016, as well as projections from 2017 through 2021. The graph illustrates the trend of sustained increases during the 1990's, then a six-year period of stability, followed by the growth trend of twelve years and the projected growth trend for five additional years.



The Enrollment Analysis Report serves as the basis upon which Newton Public Schools conducts enrollment planning throughout the year, including the identification of potential needs for elementary buffer zones to balance enrollment at schools or to alleviate crowding. This report also guides planning for any changes in the use of facilities that may be necessary in upcoming years and helps to identify short-term facilities' needs. The enrollment projections are also used to inform the long-range facility planning in which Newton is currently engaged extending through 2033. Enrollment projections for the next school year are embedded in the budget proposals for each upcoming year. As actual enrollments become better known over the course of the year, planning assumptions are re-evaluated and adjusted. The annual enrollment analysis report thus supports district planning throughout the year, and helps to support the most effective and responsive decisions possible.

The Report

Each section of the report provides detail on current enrollment and projections as follows:

- I. Enrollment Trends for the System, Elementary and Secondary - an in-depth look at system-wide and grade distribution projections.
- II. Enrollment Projection Method, Accuracy of Projections and Frequently Asked Questions - an overview that provides answers to commonly asked questions regarding the enrollment projection method.
- III. Enrollment History - a discussion of past enrollment trends for the district and for the elementary, middle, and high school grade configurations.
- IV. Individual School Reports - include information on current and projected enrollments by school and by grade and/or program.
- V. Student Exits and Entrances – provide data on student mobility in the 2015-16 school year, as well as preliminary information on the 2016-17 year.
- VI. Non-Public School/Private School Enrollments – provide data on the 18.8% of Newton school age children who are eligible to attend Newton’s schools but are enrolled outside the district and at private schools.

Appendices A through F

Appendix A has been expanded with additional details on student populations including:

- Basic demographic information
- Data on preschool students
- Students in the METCO program
- English Language Learners and students receiving special education services
- City of Newton population growth by age group
- Current residential properties for sale in Newton by elementary school district and historical residential property sales
- New England School Development Council’s (NESDEC) enrollment projections for Newton, discussed in detail in Section II
- Elementary school students by district with buffer zones and total enrollment by high school feeder patterns
- Current elementary, middle and high school district maps
- Scenarios for enrollment from permitted residential developments

I. ENROLLMENT TRENDS

System-wide Projections

Elementary Projections

Secondary Projections

National, State and Local Trends

Rental Housing Complexes

Housing Trends in Newton

Trends in Housing Patterns of District Families

Real Estate Sales

I. ENROLLMENT TRENDS

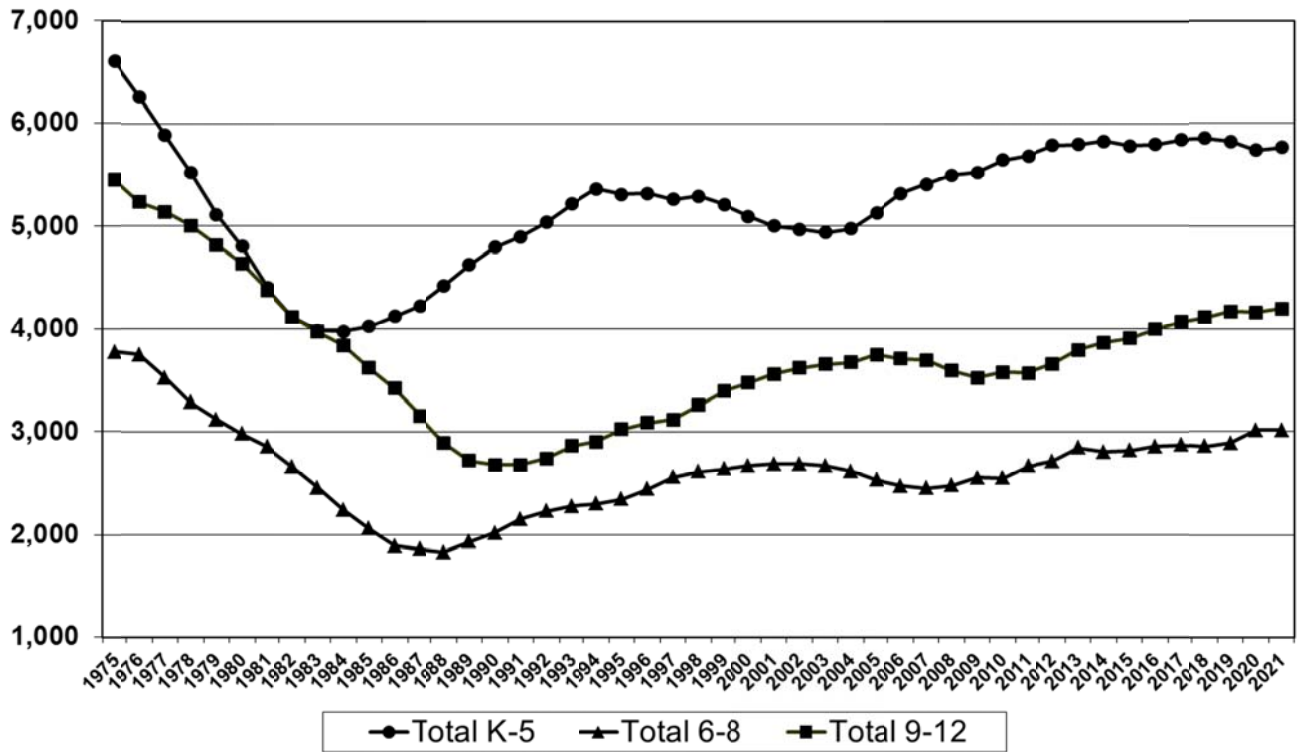
System-wide Projections

Enrollment for all schools is projected to increase by a net of 320 students, or 3%, during the next five years, after growing 12% since 2004-05, for total growth of 1,709 students (15%) over seventeen years through 2021. This trend is comparable in number, though longer in years, than the earlier period of growth from 1989 to 1999 (eleven years) when the district's population grew by over 2,000 to 11,248 students (23% growth).

Tables 1 and 3 display the current enrollment for 2016-17 by school and by grade as well as projections for the next five years. Tables 2 and 4 provide enrollment history and projections from 1975-76 to 2021-22, by school and by grade. Table 5 and Table 6 show enrollment changes by school and by grade level over various time periods, including the projected years of 2017-18 through 2021-22. Tables 7, 8 and 9 provide grade level histories of enrollments from the past several decades as well as projected enrollments for 2017-18 to 2021-22.

The chart below provides an overview of five decades of enrollment trends with differences shown by grade level. Over the next five years, enrollment at all three grade levels is projected to have net increases in student enrollment.

**ENROLLMENT TRENDS
1975-76 TO 2020-21**



Elementary Projections

Elementary enrollment is expected to increase from 5,801 students to 5,845 students next year, an increase of 44 students, with a peak of 5,853 students in 2018. Within a more stable growth trend in general, elementary enrollments are expected to fall to a lower level below 5,800 students in 2020 and 2021 when the two classes with more than 1,000 students move on to middle school. Since 2003-04, the population has grown by a total of 863 students, or 17%. Enrollment projections are dependent on current student counts and trends from past years. Today's kindergarten enrollment of 885 students is among two classes of fewer than 900 students in the past five years, which also included two of the highest kindergarten classes on record in forty years. The average size of the kindergarten classes over the prior five years is 918 students (down from 920 students last year); the four year average of kindergarten classes is 915 students and the three year average is 900 students. Projections for the 2017-18 school year factor in an increase in the 2012 birth data; a similar but larger increase in the birth data was significant in predicting a larger kindergarten class of 958 students in 2013. Please refer to Section II for the kindergarten projection methodology which explains the use of birth data and city census data for children aged 3 to 5 years to understand kindergarten projections.

Refer to Section IV, Individual School Reports, for the elementary school projections by grade and by school and other enrollment details. Several schools continue to see the impact of the student assignment changes approved in September 2015. Angier and Zervas are projected to have increased enrollments as the new schools with expanded capacity accept students from crowded schools where enrollment consequently is projected to decrease, including Bowen, Burr, Countryside, Mason-Rice and Ward. The second phase of student assignment review will assess the changes made to-date and identify other needs, culminating in a focus on Cabot and other north side schools where overcrowding remains persistent.

Appendix E, Table 12 lists student enrollment in buffer zones by school for this school year and last. The use of buffer zones has been an effective way to ameliorate space constraints at the elementary schools and balance class sizes. Since 2011, buffer zones have been used by school administration to determine space availability requests between the schools in the district. Once a student from a buffer zone is placed in a school, he/she will follow the same feeder pattern as peers in that school. Table 12 displays each buffer zone and, for more recently created zones, notes the year the zone was developed. Buffer zones that were eliminated as part of the 2015 student assignment changes are also clearly marked.

Secondary Projections

Middle school enrollment increased by 42 students in 2016-17, and is projected to remain steady until 2020 when the current grade 2 arrives and enrollment is anticipated to grow 4% and increase by 126 students. More than half of this growth will be moving from Mason-Rice to Brown. Over the next five years, middle school enrollment is projected to grow by an additional 155 students to 3,015 students, an increase of 5%. In 2020, grades 6 and 7 are both projected to be over 1,000 students.

This year's high school enrollment of 3,996 students has grown by 91 students since last year and is expected to continue to increase for the next five years as the larger elementary and middle school populations move to high school. By 2021-22, a net increase of 204 high

school students is expected. Both high schools will increase over the next five years; enrollment projections show Newton North High School will increase by 113 students, or +5% and Newton South High School will increase by 91 students, or +5%. The difference in enrollment between the two high schools will vary from a low of 135 students in 2019 to a high of 316 students in 2021. Secondary data showing past, present and projected enrollments are presented in Table 9.

National, State and Local Trends

Although the U.S. Census Bureau continues to rank Massachusetts very low in expected school age population growth from 2000-2030, Newton’s enrollment projections and those of other communities near Boston are *not* typical of Massachusetts; enrollment in the Newton Public Schools and in many nearby districts continues to increase. The chart below shows the status of district enrollments for several nearby towns over the most recent available five-year time period from 2012-13 to 2016-17. Among the towns sampled below, communities like Newton that have fairly central locations within the Greater Boston metropolitan area show growth, while others that are further south or west show enrollments that are level or decreasing.

Five Year K-12 Enrollment Change in Surrounding Districts

School Year	Belmont	Brookline	Lexington	Natick	Newton	Wellesley	Westwood	Wayland	Weston
2016-17	4,470	7,446	7,015	5,354	12,657	4,917	3,125	2,655	2,111
2012-13	3,994	6,836	6,478	4,963	12,170	4,855	3,120	2,707	2,322
Change	476	610	537	391	487	62	5	-52	-211
Percent	12%	9%	8%	8%	4%	1%	0%	-2%	-9%

Enrollment as of October 1, 2016

Since the 2010 United States Census, the population of the City of Newton has increased by 1,300 residents, growing to over 85,000. Appendix B, Table 8 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 four large residential rental communities are shown in the following table; enrollments have been fairly stable at these complexes for the past three years with net changes of 10 to 20 students per year. There is an overall net decrease from the prior year of sixteen students.

Avalon at Newton Highlands, a 294-unit apartment complex opened in 2003, has the highest population of students – 102 students are enrolled in the Newton Public Schools. Avalon at

Chestnut Hill, a 204-unit apartment complex opened in 2006, has 71 students enrolled in the Newton Public Schools, an increase of 10 students since last year. Arborpoint at Woodland Station, a 2007 transit-oriented 180-unit rental complex, has 48 students enrolled in the district. Woodland Park is an older complex and consists of 126 rental apartments including 80 two-bedroom units, 30 one-bedroom units and 16 studios, with 40 students living in this complex near the Riverside MBTA station.

About half of the students residing at these complexes are elementary students (48%) and the remaining students attend middle or high school (52%); there are also 42 students enrolled in private school living in these complexes.

Enrollment at Newton's Largest Rental Housing Complexes (2016-17)

School	Avalon at Newton Highlands (294 Units)	Avalon at Chestnut Hill (204 Units)	Arborpoint at Woodland Station (180 Units)	Woodland Park at 264-290 Grove (126 Units)	Total
Angier	8	1			9
Burr				2	2
Countryside	26				26
Horace Mann				1	1
Memorial-Spaulding		32			32
Peirce			16		16
Williams			10	21	31
Zervas	9				9
All Elementary	43	33	26	24	126
Bigelow	1				1
Brown	18		4	8	30
Day	2		5	1	8
Oak Hill	1	21			22
Newton North	2		7	1	10
Newton South	35	17	6	6	64
All Secondary	59	38	22	16	135
Total Newton Public Schools	102	71	48	40	261
Prior Year Total (2015-16)	106	61	53	57	277
Change from Prior Year	-4	10	-5	-17	-16
Additional Private School Students	15	19	5	3	42

Newton Public Schools works with the city's Planning and Development Department to monitor residential development proposals with a potential impact on enrollment. As of November 1, 2016, project statuses are provided by the Planning & Development Department for the following residential development projects with at least 10 units of housing.

Proposed Residential Development	Total Units	Affordable Units	Status as of November 1, 2016
Kessler Woods	88	13 (15%)	Under construction
Court Street, 75-83	36	9 (25%)	Under construction
Austin Street	68	17 (25%)	Approved, under appeal
Melrose Street, 283 - Turtle Lane Playhouse	16	4 (15%)	Approved, not yet in construction
429 Cherry Street	13	3 (23%)	Approved, not yet in construction
Beacon Street, 1521	8	2 (25%)	Approved, reduced in scale
Needham Street	950	238 (25%)	In conceptual development
Orr Project @ Washington & Walnut	161	40 (15%, 10%)	In conceptual development
Crescent Street	8	4 (50%)	In conceptual development
Beacon Street, 1615	23	6 (25%)	Under review by ZBA
Wells Avenue, 135	334	84 (25%)	Denied, in litigation
Riverside	290	44 (15%)	Delayed by MBTA
Rowe Street, 70	150	30 (20%)	Withdrawn

Kessler Woods, Court Street and Austin Street are residential developments that have reached the approved permit stage, the point at which potential students are included in the enrollment projections. Construction has begun at Kessler Woods, the 42-acre site on the West Roxbury and Brookline borders of Newton along LaGrange Street and at Court Street in Newtonville near the Washington Street corridor. Construction at Austin Street has not yet begun, but pending resolution of a current appeal, the construction time frame is anticipated to be 15 months.

Preliminary enrollment projections based on experience ratios from three large complexes in Newton have been made and students have been added to the projections for Memorial-Spaulding, Cabot, Day, Oak Hill and to the high schools. Additions to enrollment have been phased in, assuming that each development reaches full occupancy within three years of completion. A table that shows the calculation related to each project can be found in Appendix F, Table 15.

Housing Trends in Newton

The table below shows the current housing types in Newton, as well as housing types in FY04, thirteen years ago. According to the City Assessor's office, the greatest changes during this time in Newton's housing stock have been an increase of 1,392 condominium properties, or 40% growth. Condominiums have been the result of both conversions of existing properties such as two- or three-family homes, which have decreased since FY04, as well as new construction or additions. Single family home types have been the most stable segment of the housing stock in Newton during this period.

City of Newton Housing Types

Housing Type	FY04	% of Total in FY04	FY17	% of Total in FY17	# Change	% Change
Single Family	16,885	69%	16,959	67%	74	0.4%
Condominium	3,489	14%	4,881	19%	1,392	40%
Two Family	3,224	13%	2,794	11%	-430	-13%
Three Family	308	1%	277	1%	-31	-10%
Apartment Buildings	176	1%	154	1%	-22	-13%
Mixed Use	296	1%	243	1%	-53	-18%
TOTAL PROPERTIES	24,378	100%	25,308	100%	930	4%

Source: Newton Assessors Office

Trends in Housing Patterns of District Families

There have also been shifts in the housing patterns of families with Newton Public School children. According to Geographic Information System data that matches school students to housing types, families are living in new types of housing that have become available in Newton. While a similar number of school children live in single family homes in 2016 as in 2002 (264 more students), the percentage of school children living in single family homes has declined from 73% to 65% because of enrollment growth during this time period.

Conversely, there has been an increase from 5% to 12% in the percentage of school children living in condominiums. This represents a real increase of 908 students living in condominiums today compared to 2002 and a rate of change of 173%. This data illustrates that families of Newton school children today are more likely to live in condominiums and apartments than in 2002.

Newton Public School Children by Housing Type

Type of Housing	2002	% of Resident Students	2016	% of Resident Students	Change	Change %
Single Family	7,777	73%	8,041	65%	264	3%
Two/Three Family	1,671	16%	1,835	15%	164	10%
Condominiums	526	5%	1,434	12%	908	173%
Apartment Buildings	251	2%	557	5%	306	122%
Mixed Use / Other	389	4%	435	4%	46	12%
Total	10,614	100%	12,302	100%	1,688	320%

Source: Newton Geographic Information Systems

Real Estate Sales

According to data obtained from City of Newton records, there were 1,213 residential property sales in calendar year 2015 versus 1,311 the year before, a decrease of 7%. Calendar year 2014 had the highest number of property sales of the last ten years, at 1,311. (See Appendix C, Table 9.) Through the first eight months of 2016, real estate sales totaled 781 as compared with 864 (-10%) for the same period one year ago. Appendix C, Table 9 shows the data by school district, making clear the differences in total property sales by neighborhood.

Additional information is provided in Table 10 of Appendix C with properties listed for sale by school district in Newton as of November 2016; there are four fewer properties listed for sale in Newton this year as compared to one year ago. Seventy percent of properties listed for sale in Newton are single family homes with eight out of every ten homes having four or more bedrooms. The three columns to the far right of the exhibit show the percentages by type of property on the market by school district. For example, in the Mason-Rice School district, 90% of properties listed for sale are single family and 10% are condominiums while in the Bowen School district, 47% of properties for sale are single family, and 53% are condominiums. There are no multi-family homes for sale at the present time as compared to 11 properties one year ago.

**TABLE 1
PROJECTED ENROLLMENTS BY SCHOOL
2017-18 TO 2021-22**

School	Spec. Ed.*	Actual FY17	Projections Using 5 Year Average Ratios**				
			FY18	FY19	FY20	FY21	FY22
Angier		421	444	455	464	466	476
Bowen		417	409	399	360	360	358
Burr		402	395	392	369	352	339
Cabot		400	394	377	382	370	375
Countryside		436	432	430	434	420	413
Franklin		446	455	467	469	457	469
Horace Mann		417	399	396	392	395	393
Lincoln-Eliot		346	347	355	349	352	354
Mason-Rice		507	516	504	487	458	443
Memorial-Spaulding		454	472	486	491	488	489
Peirce		299	285	280	281	265	269
Underwood		313	316	319	323	307	315
Ward		313	311	306	302	297	304
Williams		293	299	290	297	301	287
Zervas		337	371	397	422	450	478
TOTAL ELEMENTARY	(0)	5,801	5,845	5,853	5,822	5,738	5,762
Bigelow		525	536	531	538	564	553
Brown		774	744	724	732	802	822
Day		922	985	988	1,012	1,026	1,012
Oak Hill		639	607	612	606	622	628
TOTAL MIDDLE	(0)	2,860	2,872	2,855	2,888	3,014	3,015
Newton North	(84)	2,145	2,163	2,154	2,154	2,198	2,258
Newton South	(12)	1,851	1,907	1,962	2,019	1,968	1,942
TOTAL HIGH SCHOOL	(96)	3,996	4,070	4,116	4,173	4,166	4,200
GRAND TOTAL	(96)	12,657	12,787	12,824	12,883	12,918	12,977

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

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

TABLE 2

Newton Public Schools
Enrollment History and Projections by School
1975 to 2021

School Name	Peak Enroll	Peak Year	Projected																							
			1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Angier	752	1953	433	412	418	412	396	371	363	370	379	401	392	389	375	395	408	417	402	409	421	444	455	464	466	476
Bowen	502	2013	390	377	383	351	336	335	314	336	413	428	435	454	449	448	477	502	475	449	417	409	399	360	360	358
Burr	496	1967	256	278	270	294	300	303	314	334	331	369	379	391	409	415	424	424	412	402	395	392	369	352	339	
Cabot	539	1967	393	385	362	360	352	353	357	391	420	424	425	449	452	440	420	419	418	403	400	394	377	382	370	375
Cair	401	1963																								
Claflin	420	1960																								
Countryside	557	1959	493	499	482	453	455	446	448	463	437	447	479	472	499	490	479	457	466	450	436	430	434	420	413	
Davis	352	1961																								
Emerson	345	1955																								
Franklin	601	1961	407	389	390	398	384	397	386	385	414	401	396	402	397	401	396	389	413	424	446	455	467	469	469	
Hamilton	222	1960																								
Horace Mann	427	2013	297	301	303	313	330	333	337	344	350	348	370	371	373	386	394	427	434	412	417	399	396	392	395	393
Hyde	669	1952																								
Lincoln-Eliot	435	1970	325	285	281	252	220	242	229	282	281	293	284	291	293	317	322	329	337	340	346	347	355	349	352	354
Mason-Rice	620	1962	412	393	364	369	364	352	365	372	372	410	422	428	442	437	438	457	478	492	507	516	504	487	458	443
Memorial	536	1953																								
Memorial-Spaulding	486	1992	448	462	452	417	440	447	427	419	443	449	442	438	459	458	464	429	434	452	454	472	486	491	488	489
Oak Hill Elementary	450	1962																								
Peirce	429	1960	282	271	281	270	271	271	286	306	324	329	338	329	318	316	337	312	306	314	299	285	280	281	265	269
Spaulding	587	1961																								
Underwood	582	1970	267	278	264	276	294	276	275	284	288	295	282	262	282	289	310	327	341	326	313	316	319	323	307	315
Ward	506	1971	319	343	325	304	281	274	262	262	237	247	260	260	269	278	301	289	304	304	313	311	306	302	297	304
Williams	375	1969	260	258	241	257	260	254	264	275	295	281	276	277	298	302	304	304	292	290	293	299	290	297	301	287
Zervas (formerly Beethoven)	350	1964	311	281	281	276	287	284	287	300	332	324	328	326	349	321	325	317	309	308	337	371	397	422	450	478
Peabody (SPED)																										
Total Elem			5,293	5,212	5,097	5,002	4,970	4,938	4,975	5,133	5,318	5,408	5,498	5,527	5,646	5,687	5,790	5,799	5,833	5,785	5,801	5,845	5,853	5,822	5,738	5,762
% Change			33	-81	-175	-95	-32	-32	37	158	185	90	29	119	41	103	9	34	-48	16	44	8	-31	-84	24	
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	15
Bigelow	612	1996	483	446	465	477	513	520	510	496	495	487	505	527	523	533	531	525	504	509	525	536	531	538	564	553
Brown (formerly Meadowbrook)	1,024	1964	749	771	752	735	756	770	787	705	665	644	681	684	666	677	698	743	738	780	774	744	724	732	802	822
Day	947	2013	804	804	835	855	822	785	758	768	747	764	747	773	758	845	874	947	932	927	922	985	988	1,012	1,012	
Oak Hill Middle	634	2013	578	619	620	621	597	598	565	565	567	558	547	572	603	612	616	634	632	602	639	607	612	606	622	628
Warren	1,270	1969																								
Weeks	1,033	1960																								
Total Middle School			2,614	2,640	2,672	2,688	2,688	2,673	2,620	2,534	2,474	2,453	2,480	2,556	2,550	2,667	2,719	2,849	2,806	2,818	2,860	2,872	2,855	2,888	3,014	3,015
% Change			52	26	32	16	0	-15	-53	-86	-60	-21	27	76	-6	117	52	130	-43	12	42	12	-17	33	126	1
Total # Middle Schools			4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
North	2,976	1972	2,019	2,123	2,144	2,190	2,219	2,169	2,121	2,047	1,964	1,911	1,829	1,802	1,871	1,877	1,940	2,015	2,060	2,107	2,145	2,163	2,154	2,154	2,198	2,258
South	1,784	2007	1,240	1,273	1,333	1,370	1,399	1,487	1,552	1,701	1,745	1,784	1,763	1,722	1,708	1,691	1,721	1,778	1,804	1,798	1,851	1,907	1,962	2,019	1,968	1,942
Total High School			3,259	3,396	3,477	3,560	3,618	3,656	3,673	3,748	3,709	3,695	3,592	3,524	3,579	3,568	3,661	3,793	3,864	3,905	3,996	4,070	4,116	4,173	4,166	4,200
% Change			137	137	81	83	58	38	17	75	-39	-14	-103	-68	55	-11	93	132	71	41	91	74	46	57	-7	34
Grand Total			11,166	11,248	11,246	11,250	11,276	11,267	11,268	11,415	11,501	11,556	11,570	11,607	11,775	11,922	12,170	12,441	12,503	12,508	12,657	12,787	12,824	12,883	12,918	12,977
% Change			222	82	-2	4	26	-9	1	147	86	55	14	37	168	147	248	271	62	5	149	130	37	59	35	59
% Change			2.0%	0.7%	0.0%	0.0%	0.2%	-0.1%	0.0%	1.3%	0.8%	0.5%	0.1%	0.3%	1.4%	1.2%	2.1%	2.2%	0.5%	0.0%	1.2%	1.0%	0.3%	0.5%	0.3%	0.5%

* Asterisk denotes change in grade pattern and/or school consolidation.

**TABLE 3
PROJECTED ENROLLMENTS BY GRADE
2017-18 TO 2021-22**

Grade	Actual FY17	Projections Using 5 Year Average Ratios**				
		FY18	FY19	FY20	FY21	FY22
K	885	902	899	894	904	906
1	943	935	948	949	951	961
2	1042	955	949	960	958	963
3	1005	1,060	968	964	973	972
4	976	1,013	1,069	979	972	981
5	950	980	1,020	1,076	980	979
TOTAL ELEMENTARY	5,801	5,845	5,853	5,822	5,738	5,762
Diff. from Previous Year		44	8	-31	-84	24
% Change		0.8%	0.1%	-0.5%	-1.4%	0.4%
6	961	925	952	994	1048	955
7	972	968	931	959	1001	1053
8	927	979	972	935	965	1007
TOTAL MIDDLE	2,860	2,872	2,855	2,888	3,014	3,015
Diff. from Previous Year		12	-17	33	126	1
% Change		0.4%	-0.6%	1.2%	4.4%	0.0%
9	992	979	1033	1027	985	1013
10	976	1002	988	1041	1035	994
11	1007	988	1013	998	1053	1047
12	925	1005	986	1011	997	1050
Spec. Ed. & Post-grads.*	96	96	96	96	96	96
TOTAL HIGH	3,996	4,070	4,116	4,173	4,166	4,200
Diff. from Previous Year		74	46	57	-7	34
% change		1.9%	1.1%	1.4%	-0.2%	0.8%
GRAND TOTAL	12,657	12,787	12,824	12,883	12,918	12,977
Diff. from Previous Year		130	37	59	35	59
% Change		1.0%	0.3%	0.5%	0.3%	0.5%

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

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

TABLE 4

**Newton Public Schools
Enrollment History and Projections by Grade
1975 to 2021**

Grade	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
K	946	843	750	681	635	612	628	584	647	673	667	726	730	744	827	809	827	874	906	874	837	870
1	1,088	1,009	873	804	723	702	652	650	617	688	712	734	749	753	773	851	845	865	921	946	904	871
2	1,078	1,069	1,010	892	812	755	678	649	648	610	692	692	725	738	755	776	851	845	879	918	920	887
3	1,114	1,080	1,042	1,022	878	819	746	676	667	659	610	680	693	734	770	767	775	859	870	882	895	925
4	1,116	1,103	1,073	1,019	1,002	877	797	739	661	649	642	594	677	705	730	782	763	775	850	869	876	886
5	1,191	1,101	1,089	1,055	1,005	1,000	862	774	699	650	634	635	592	678	698	739	772	757	748	838	848	854
SPED	76	56	54	54	56	40	36	44	45	44	47	60	59	65	70	69	64	60	42	36	29	25
Total K-5	6,609	6,261	5,891	5,527	5,111	4,805	4,399	4,116	3,984	3,973	4,024	4,121	4,225	4,417	4,623	4,793	4,897	5,035	5,216	5,363	5,309	5,318
Change	-197	-348	-370	-364	-416	-306	-406	-283	-132	-11	51	97	104	192	206	170	104	138	181	147	-54	9
% Change	-2.9%	-5.3%	-5.9%	-6.2%	-7.5%	-6.0%	-8.4%	-6.4%	-3.2%	-0.3%	1.3%	2.4%	2.5%	4.5%	4.7%	3.7%	2.2%	2.8%	3.6%	2.8%	-1.0%	0.2%
6	1,289	1,194	1,102	1,092	1,033	985	960	832	765	689	638	614	626	590	674	710	750	770	746	752	825	833
7	1,254	1,267	1,150	1,053	1,024	982	928	884	787	739	650	610	589	625	599	665	692	717	742	754	729	822
8	1,215	1,269	1,258	1,131	1,053	1,011	958	934	884	786	737	641	613	580	634	614	677	707	728	757	754	742
SPED	19	19	13	12	10	5	11	14	21	29	32	28	30	32	25	26	31	35	62	38	35	45
Total 6-8	3,777	3,749	3,523	3,288	3,120	2,983	2,857	2,664	2,457	2,243	2,057	1,893	1,858	1,827	1,932	2,015	2,150	2,229	2,278	2,301	2,343	2,442
Change	8	-28	-226	-235	-168	-137	-126	-193	-207	-214	-186	-164	-35	-31	105	83	135	79	49	23	42	99
% Change	0.2%	-0.7%	-6.0%	-6.7%	-5.1%	-4.4%	-4.2%	-6.8%	-7.8%	-8.7%	-8.3%	-8.0%	-1.8%	-1.7%	5.7%	4.3%	6.7%	3.7%	2.2%	1.0%	1.8%	4.2%
9	1,239	1,191	1,245	1,205	1,103	1,013	989	966	980	898	801	763	700	658	607	666	645	689	734	774	773	749
10	1,366	1,273	1,224	1,271	1,225	1,126	1,020	1,000	907	964	931	826	753	686	654	615	692	670	709	706	766	762
11	1,418	1,331	1,295	1,213	1,260	1,210	1,094	1,013	1,001	916	902	863	788	739	676	656	617	684	687	659	707	759
12	1,384	1,392	1,331	1,276	1,192	1,232	1,219	1,082	1,009	987	910	908	849	753	720	675	658	629	675	656	672	695
SPED	49	45	46	39	39	57	57	57	73	73	75	61	67	62	64	68	69	74	61	112	110	125
Total 9-12	5,456	5,232	5,141	5,004	4,819	4,638	4,379	4,118	3,970	3,838	3,619	3,421	3,157	2,898	2,721	2,680	2,681	2,746	2,866	2,907	3,028	3,090
Change	-121	-224	-91	-137	-185	-181	-259	-261	-148	-132	-219	-198	-264	-259	-177	-41	1	65	120	41	121	62
% Change	-2.2%	-4.1%	-1.7%	-2.7%	-3.7%	-3.8%	-5.6%	-6.0%	-3.6%	-3.3%	-5.7%	-5.5%	-7.7%	-8.2%	-6.1%	-1.5%	0.0%	2.4%	4.4%	1.4%	4.2%	2.0%
Grand Total	15,842	15,242	14,555	13,819	13,050	12,426	11,635	10,898	10,411	10,054	9,700	9,435	9,240	9,142	9,276	9,488	9,728	10,010	10,360	10,571	10,680	10,850
Change	-310	-600	-687	-736	-769	-624	-791	-737	-487	-357	-354	-265	-195	-98	134	212	240	282	350	211	109	170
% Change	-1.9%	-3.8%	-4.5%	-5.1%	-5.6%	-4.8%	-6.4%	-6.3%	-4.5%	-3.4%	-3.5%	-2.7%	-2.1%	-1.1%	1.5%	2.3%	2.5%	2.9%	3.5%	2.0%	1.0%	1.6%

TABLE 4

**Newton Public Schools
Enrollment History and Projections by Grade
1975 to 2021**

Grade	1975 to 2021																			Projected					
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
K	808	841	787	736	766	792	796	805	867	887	868	830	862	896	895	934	958	938	877	885	902	899	894	904	906
1	887	850	866	804	749	805	837	856	853	916	926	950	877	926	940	936	977	999	1,005	943	935	948	949	951	961
2	873	898	867	857	811	795	828	836	868	895	950	924	989	908	956	966	945	979	992	1,042	955	949	960	958	963
3	878	874	901	889	849	815	818	831	860	896	892	962	931	1,007	923	981	982	946	977	1,005	1,060	968	964	973	972
4	923	876	887	901	896	855	817	819	847	859	897	908	967	932	1,017	938	993	980	949	976	1,013	1,069	979	972	981
5	873	938	885	894	916	894	832	811	820	851	858	905	884	960	937	1,021	944	991	985	950	980	1,020	1,076	980	979
SPED	18	16	19	16	15	14	10	17	18	14	17	19	17	17	19	14	0	0	0	0	0	0	0	0	0
Total K-5	5,260	5,293	5,212	5,097	5,002	4,970	4,938	4,975	5,133	5,318	5,408	5,498	5,527	5,646	5,687	5,790	5,799	5,833	5,785	5,801	5,845	5,853	5,822	5,738	5,762
Change	-58	33	-81	-115	-95	-32	-32	37	158	185	90	29	29	119	41	103	9	34	-48	16	44	8	-31	-84	24
% Change	-1.1%	0.6%	-1.5%	-2.2%	-1.9%	-0.6%	-0.6%	0.7%	3.2%	3.6%	1.7%	1.7%	0.5%	2.2%	0.7%	1.8%	0.2%	0.6%	-0.8%	0.3%	0.8%	0.1%	-0.5%	-1.4%	0.4%
6	838	846	911	869	858	916	895	829	804	824	828	829	877	863	922	900	978	922	963	961	925	952	994	1,048	955
7	836	840	843	930	881	875	902	889	836	810	825	836	826	863	875	922	932	963	912	972	968	931	959	1,001	1,053
8	828	864	846	851	923	884	867	898	892	837	797	809	848	817	866	889	939	921	943	927	979	972	935	965	1,007
SPED	60	64	40	22	26	13	9	4	2	3	3	6	5	7	4	8	0	0	0	0	0	0	0	0	0
Total 6-8	2,562	2,614	2,640	2,672	2,688	2,688	2,673	2,620	2,534	2,474	2,453	2,480	2,556	2,550	2,667	2,719	2,849	2,806	2,818	2,860	2,872	2,855	2,888	3,014	3,015
Change	120	52	26	32	16	0	-15	-53	-86	-60	-21	27	76	-6	117	52	130	-43	12	42	12	-17	33	126	1
% Change	4.9%	2.0%	1.0%	1.2%	0.6%	0.0%	-0.6%	-2.0%	-3.3%	-2.4%	-0.8%	1.1%	3.1%	-0.2%	4.6%	1.9%	4.8%	-1.5%	0.4%	1.5%	0.4%	-0.6%	1.2%	4.4%	0.0%
9	776	869	918	872	868	925	899	892	919	905	877	821	835	904	875	931	954	977	945	992	979	1,033	1,027	985	1,013
10	748	790	875	888	872	865	933	899	906	911	912	868	846	850	896	886	941	941	973	976	1,002	988	1,041	1,035	994
11	752	765	755	867	877	887	863	925	898	927	927	902	862	843	843	897	888	964	937	1,007	988	1,013	998	1,053	1,047
12	754	756	772	765	864	855	890	860	917	882	914	918	879	879	830	845	910	888	946	925	1,005	986	1,011	997	1,050
SPED	92	79	76	85	79	86	71	97	108	84	65	83	102	103	124	102	100	94	104	96	96	96	96	96	96
Total 9-12	3,122	3,259	3,396	3,477	3,560	3,618	3,656	3,673	3,748	3,709	3,695	3,592	3,524	3,579	3,568	3,661	3,793	3,864	3,905	3,996	4,070	4,116	4,173	4,166	4,200
Change	32	137	137	81	83	58	38	17	75	-39	-14	-103	-68	55	-11	93	132	71	41	91	74	46	57	-7	34
% Change	1.0%	4.4%	4.2%	2.4%	2.4%	1.6%	1.1%	0.5%	2.0%	-1.0%	-0.4%	-2.8%	-1.9%	1.6%	-0.3%	2.6%	3.6%	1.9%	1.1%	2.3%	1.9%	1.1%	1.4%	-0.2%	0.8%
Grand Total	10,944	11,166	11,248	11,246	11,250	11,276	11,267	11,268	11,415	11,501	11,556	11,570	11,607	11,775	11,922	12,170	12,441	12,503	12,508	12,657	12,787	12,824	12,883	12,918	12,977
Change	94	222	82	-2	4	26	-9	1	147	86	55	14	37	168	147	248	271	62	5	149	130	37	59	35	59
% Change	0.9%	2.0%	0.7%	0.0%	0.0%	0.2%	-0.1%	0.0%	1.3%	0.8%	0.5%	0.1%	0.3%	1.4%	1.2%	2.1%	2.2%	0.5%	0.0%	1.2%	1.0%	0.3%	0.5%	0.3%	0.5%

**TABLE 5
COMPARISON OF ACTUAL AND PROJECTED 5 YEAR ENROLLMENT CHANGE
2011-12 TO 2016-17 AND 2016-17 TO 2021-22**

School	2011-12 Enrollment	2016-17 Enrollment	Change	% Change	2016-17 Enrollment	2021-22 Enrollment	Change	% Change
Angier	408	421	13	3.2%	421	476	55	13.1%
Bowen	477	417	-60	-12.6%	417	358	-59	-14.1%
Burr	415	402	-13	-3.1%	402	339	-63	-15.7%
Cabot	420	400	-20	-4.8%	400	375	-25	-6.3%
Countryside	479	436	-43	-9.0%	436	413	-23	-5.3%
Franklin	396	446	50	12.6%	446	469	23	5.2%
Horace Mann	394	417	23	5.8%	417	393	-24	-5.8%
Lincoln-Eliot	322	346	24	7.5%	346	354	8	2.3%
Mason-Rice	438	507	69	15.8%	507	443	-64	-12.6%
Memorial-Spaulding	464	454	-10	-2.2%	454	489	35	7.7%
Peirce	337	299	-38	-11.3%	299	269	-30	-10.0%
Underwood	310	313	3	1.0%	313	315	2	0.6%
Ward	301	313	12	4.0%	313	304	-9	-2.9%
Williams	304	293	-11	-3.6%	293	287	-6	-2.0%
Zervas	325	337	12	3.7%	337	478	141	41.8%
TOTAL ELEMENTARY	5,790	5,801	11	0.2%	5,801	5,762	-39	-0.7%
Bigelow	531	525	-6	-1.1%	525	553	28	5.3%
Brown	698	774	76	10.9%	774	822	48	6.2%
Day	874	922	48	5.5%	922	1,012	90	9.8%
Oak Hill	616	639	23	3.7%	639	628	-11	-1.7%
TOTAL MIDDLE	2,719	2,860	141	5.2%	2,860	3,015	155	5.4%
Newton North	1,940	2,145	205	10.6%	2,145	2,258	113	5.3%
Newton South	1,721	1,851	130	7.6%	1,851	1,942	91	4.9%
TOTAL HIGH SCHOOL	3,661	3,996	335	9.2%	3,996	4,200	204	5.1%
TOTAL ENROLLMENT	12,170	12,657	487	4.0%	12,657	12,977	320	2.5%

**TABLE 6
PERCENT OF CHANGE BY GRADE SPAN
2010-2011 TO 2021-2022**

Year	Grades K-5			Grades 6-8			Grades 9-12			System-Wide		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2010-2011	5,646	2.2%	119	2,550	5.1%	125	3,579	1.5%	55	11,775	2.5%	299
2011-2012	5,687	0.7%	41	2,667	4.6%	117	3,568	-0.3%	-11	11,922	1.2%	147
2012-2013	5,790	1.8%	103	2,719	1.9%	52	3,661	2.6%	93	12,170	2.1%	248
2013-2014	5,799	0.2%	9	2,849	4.8%	130	3,793	3.6%	132	12,441	2.2%	271
2014-2015	5,833	0.6%	34	2,806	-1.5%	-43	3,864	1.9%	71	12,503	0.5%	62
2015-2016	5,785	-0.8%	-48	2,818	0.4%	12	3,905	1.1%	41	12,508	0.0%	5
2016-2017	5,801	0.3%	16	2,860	1.5%	42	3,996	2.3%	91	12,657	1.2%	149
2017-2018	5,845	0.8%	44	2,872	0.4%	12	4,070	1.9%	74	12,787	1.0%	130
2018-2019	5,853	0.1%	8	2,855	-0.6%	-17	4,116	1.1%	46	12,824	0.3%	37
2019-2020	5,822	-0.5%	-31	2,888	1.2%	33	4,173	1.4%	57	12,883	0.5%	59
2020-2021	5,738	-1.4%	-84	3,014	4.4%	126	4,166	-0.2%	-7	12,918	0.3%	35
2021-2022	5,762	0.4%	24	3,015	0.0%	1	4,200	0.8%	34	12,977	0.5%	59
% Change 2010-2011 to 2021-2022		2.1%			18.2%			17.4%			10.2%	
% Change 2010-2011 to 2016-2017		2.7%			12.2%			11.7%			7.5%	
% Change 2016-2017 to 2021-2022		-0.7%			5.4%			5.1%			2.5%	

TABLE 7			
ACTUAL SYSTEM ENROLLMENT CHANGE 1977-2016			
Year	Enrollment	Difference from Previous Year	% Change
1967	18,424		
1977	14,555	-687	-4.5%
1978	13,819	-736	-5.1%
1979	13,050	-769	-5.6%
1980	12,426	-624	-4.8%
1981	11,635	-791	-6.4%
1982	10,898	-737	-6.3%
1983	10,411	-487	-4.5%
1984	10,054	-357	-3.4%
1985	9,700	-354	-3.5%
1986	9,435	-265	-2.7%
1987	9,240	-195	-2.1%
1988	9,142	-98	-1.1%
1989	9,276	+134	+1.5%
1990	9,488	+212	+2.3%
1991	9,728	+240	+2.5%
1992	10,010	+282	+2.9%
1993	10,360	+350	+3.5%
1994	10,571	+211	+2.0%
1995	10,680	+109	+1.0%
1996	10,850	+170	+1.6%
1997	10,944	+94	+0.9%
1998	11,166	+222	+2.0%
1999	11,248	+82	+0.7%
2000	11,246	-2	+0.0%
2001	11,250	+4	+0.0%
2002	11,276	+26	+0.2%
2003	11,267	-9	-0.1%
2004	11,268	+1	0.0%
2005	11,415	+147	1.3%
2006	11,501	+86	0.8%
2007	11,556	+55	0.5%
2008	11,570	+14	0.1%
2009	11,607	+37	0.3%
2010	11,775	+168	1.4%
2011	11,922	+147	1.2%
2012	12,170	+248	2.1%
2013	12,441	+271	2.2%
2014	12,503	+62	0.5%
2015	12,508	+5	0.0%
2016	12,657	+149	1.2%
PROJECTED			
2017	12,787	+130	+1.0%
2018	12,824	+37	+0.3%
2019	12,883	+59	+0.5%
2020	12,918	+35	+0.3%
2021	12,977	+59	+0.5%

Note: Peak enrollment year is in bold

TABLE 8
ACTUAL ELEMENTARY SCHOOL ENROLLMENT CHANGE 1981-2016

Year	Enrollment	Difference from Previous Year	% Change
1961	10,010		
1981	5,359	-431	-7.4%
1982	4,948	-411	-7.7%
1983	4,749	-199	-4.0%
1984	4,662	-87	-1.8%
1985	4,662	+0	+0.0%
1986	4,735	+73	+1.6%
1987	4,851	+116	+2.4%
1988	5,007	+156	+3.2%
1989	5,297	+290	+5.8%
1990	5,503	+206	+3.9%
1991	5,647	+144	+2.6%
1992	5,805	+158	+2.7%
1993*	5,216	-589	-11.3%
1994	5,363	+147	+2.7%
1995	5,309	-54	-1.0%
1996	5,318	+9	+0.2%
1997	5,260	-58	-1.1%
1998	5,293	+33	+0.6%
1999	5,212	-81	-1.5%
2000	5,097	-115	-2.2%
2001	5,002	-95	-1.9%
2002	4,970	-32	-0.6%
2003	4,938	-32	-0.6%
2004	4,975	+37	+0.7%
2005	5,133	+158	+3.2%
2006	5,318	+185	+3.6%
2007	5,408	+90	+1.7%
2008	5,498	+90	+1.7%
2009	5,527	+29	+0.5%
2010	5,646	+119	+2.2%
2011	5,687	+41	+0.7%
2012	5,790	+103	+1.8%
2013	5,799	+9	+0.2%
2014	5,833	+34	+0.6%
2015	5,785	-48	-0.8%
2016	5,801	+16	+0.3%
PROJECTED			
2017	5,845	+44	+0.8%
2018	5,853	+8	+0.1%
2019	5,822	-31	-0.5%
2020	5,738	-84	-1.4%
2021	5,762	+24	+0.4%

Note: Peak enrollment year is in bold

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

**TABLE 9
SECONDARY ENROLLMENT CHANGE
1984 THROUGH 2016 ACTUAL AND 2021 PROJECTED**

Year	Enrollment		Difference from Previous Year	% Change	
1984	5,392		-270	-4.8%	
1985	5,038		-354	-6.6%	
1986	4,700		-338	-6.7%	
1987	4,389		-311	-6.6%	
1988	4,135		-254	-5.8%	
1989	3,979		-156	-3.8%	
1990	3,985		+6	+0.2%	
1991	4,081		+96	+2.4%	
1992	4,205		+124	+3.0%	
1993*	5,144		+939	+22.3%	
1994	5,208		+64	+1.2%	
1995	5,371		+163	+3.1%	
1996	5,532		+161	+3.0%	
1997	5,684		+152	+2.7%	
1998	5,873		+189	+3.3%	
1999	6,036		+163	+2.8%	
2000	6,149		+113	+1.9%	
2001	6,248		+99	+1.6%	
2002	6,306		+58	+0.9%	
2003	6,329		+23	+0.4%	
2004	6,293		-36	-0.6%	
2005	6,282		-11	-0.2%	
2006	6,183		-99	-1.6%	
2007	6,148		-35	-0.6%	
2008	6,072		-76	-1.2%	
2009	6,080		+8	+0.1%	
2010	6,129		+49	+0.8%	
2011	6,235		+106	+1.7%	
2012	6,380		+145	+2.3%	
2013	6,642		+262	+4.1%	
2014	6,670		+28	+0.4%	
2015	6,723		+53	+0.8%	
2016	6,856		+133	+2.0%	
Projections					
Year	Grades 6-8	Grades 9-12	Total Enrollment	Difference from Previous Year	% Change
2017	2,872	4,070	6,942	+86	+1.3%
2018	2,855	4,116	6,971	+29	+0.4%
2019	2,888	4,173	7,061	+90	+1.3%
2020	3,014	4,166	7,180	+119	+1.7%
2021	3,015	4,200	7,215	+35	+0.5%

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

II. ENROLLMENT PROJECTION METHOD

Kindergarten Projection Methodology

NESDEC Comparison

Accuracy of Projections

Frequently Asked Questions

II. ENROLLMENT PROJECTION METHOD

The enrollment projections are prepared by combining the current year's official enrollment as reported on October 1, 2016 to the Department of Elementary and Secondary Education with other available demographic data for Newton. These data are then applied to a spreadsheet model of five-year average cohort survival ratios. The projections are calculated on an individual school and grade basis and then aggregated into system-wide projections. Just as in recent years, five-year cohort survival ratios for grades 1 through 12 are used in this projection. Adjusted straight four-year averages are used for kindergarten this year as explained later in this section.

A cohort is defined as a group of students of a specific age or grade level who are at a specific school or are all going to the same school in the next year. Non-resident students are not included in the base for the cohort calculation, but are added to the total after the calculation. Next year's 6th graders at Oak Hill Middle School, for example, are made up of the 5th grade cohorts from Bowen, Memorial-Spaulding and Zervas. The five-year average cohort survival ratio for schools entering Oak Hill is 0.97. There are 232 resident students in the group described above. The cohort calculation therefore yields 225 (232 x 0.97) students. Eight current non-resident students are added to this total, resulting in the final projection of 233 students for students entering the 6th grade at Oak Hill next year.

The following factors are integrated in the forecast:

- All current School Committee policies on school feeder patterns, split districts, district boundaries and buffer zones. All feeder patterns reflect current policies. *Student assignment policy changes for the Angier and Zervas districts, and affecting nearby school districts, were approved in September 2015 and are fully integrated into the forecast.*
- METCO students are added to each school and grade after the projections are computed. METCO students who will enter the system in kindergarten, grade one or grade two each year for the next five years are also included in the individual school tables by grade.
- Number 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.
- Number of potential students from residential properties (when building permits have been issued by the City of Newton).

Kindergarten Projection Methodology

The following two charts provide data on kindergarten enrollment. The first chart shows the highest kindergarten populations of the past forty years. The 2016-17 kindergarten class of 885 students is one of two classes in the last five years that are under 900 students. The kindergarten projection had a variance this year of 10 fewer students, or -1.1%. The second chart illustrates the rising trend over time of how Newton's four-year old population (as per City census data) relates to the kindergarten population. The current ratio of 1.87 is the highest of the past decade and is a result of the relatively low city census data of children age 4, at 473 children, resulting in the 885 kindergarten students. Note that the ratio of children age 4 to the following year's kindergarten has been steadily rising since 2003 driven by lower numbers of 4 year olds documented on the city census and kindergarten classes that, for the most part, have been growing.

Highest Kindergarten Populations of Past 40 Years

Time Period	Number of K Students
1971-72	1,063
1972-73	1,010
1974-75	998
1973-74	968
2013-14	958
1975-76	946
2016-17	885
40 year average	800
20 year average	852
10 year average	894

Age Four to Kindergarten Ratio

Year	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
4-year olds	828	796	767	770	723	744	683	686	705	708	682	615	554	567	473
K population	792	796	805	867	887	868	830	862	896	895	934	958	938	877	885
Ratio	0.96	1.00	1.05	1.13	1.23	1.17	1.22	1.26	1.27	1.26	1.37	1.56	1.69	1.55	1.87

Next year’s kindergarten projection of 902 students is calculated using an adjusted straight four-year average of the previous kindergarten enrollments, a more conservative approach than the five-year average made even more conservative by including a slight adjustment for nine schools. The four-year average omits one year of record high kindergarten enrollment. An adjustment of 14 kindergarten students was made by lowering the kindergarten projection by 1 or 2 students at nine schools. The adjustments were guided by numbers of incoming four-year olds documented on the city census.

Conversely, a higher birth rate in 2012 of 812 students versus 787 students in 2011 provides a rationale for this year’s projection of over 900 students when two years prior have had smaller kindergarten classes. Resident births to kindergarten ratios are displayed in Table 10 below. Comparing each year’s kindergarten population to the number of state recorded Newton births five years prior yields a birth to kindergarten ratio. In the years 2006 and 2007, a similar number of resident births occurred as are documented in 2012, and the kindergarten class five years later was 895 and 934 students in 2011 and 2012, respectively. The 812 resident births in 2012 and the projected kindergarten class of 902 students produce a ratio in line with recent experience.

**TABLE 10
Resident Births* to Kindergarten Ratios**

Births to Kindergarten Ratios												
Birth Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012**
# of Births	834	822	759	844	788	812	815	907	806	787	787	812
Kindergarten Year	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Kindergarten	887	868	830	862	896	895	934	958	938	877	885	902
Ratio	1.06	1.06	1.09	1.02	1.14	1.10	1.15	1.06	1.16	1.11	1.12	1.11

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

** Kindergarten class is projected.

The current kindergarten projection relies upon experience with kindergarten populations in the recent past. The four-year average method is used because city data on children age 4 and age 3 captured in the city census remain low and have been demonstrated in recent years

to not be a good predictor of the number of kindergarten students one or two years later. For example, using city census data of the number of children age 4 to project next year's kindergarten yields 738 students.

NESDEC Comparison

The enrollment analysis report includes projections for the Newton Public Schools from NESDEC (the New England School Development Council). In total by all grade levels, NESDEC's enrollment projections for 2017-18 are close to Newton's projections. NESDEC is projecting higher than Newton for next year, with a small difference of 5 students. This difference is largely accounted for by a higher elementary projection and a lower middle school projection. NESDEC's kindergarten projection of 921 students for next year is higher than Newton's projection because of their larger emphasis on resident birth data. 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 including 2020-21 and 2021-22, NESDEC uses estimated numbers of births for calendar year 2015 and 2016. Please see Table 11 of Appendix D.

There is a greater divergence between Newton and NESDEC's projections in the second and third years of the projection. The total variances for 2018-19 and 2019-20 are 26 and 27 students, respectively, with Newton being lower. The kindergarten variances by year between this report and NESDEC's projections for the next five years are within 20 students, for all but the fourth year of the projection, at -19 and -11, -11, +28 and +5. Newton is projecting fewer kindergarten students than NESDEC in the next three years.

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 different cohort survival ratios for all grades influenced by their regional experience of school districts whereas Newton uses a five-year ratio for grades K through 12. Also in contrast to NESDEC, Newton has made an adjustment to projections to account for residential development in the city (the addition of students anticipated from the Kessler Woods, Court Street, and Austin Street developments).

Accuracy of Projections

Several tables are included to show how accurately Newton Public Schools projections match actual enrollment. Table 11 shows the projections for the current year (2016-17) by grade level as predicted one, two and three years ago.

**TABLE 11
Projection History for 2016-17 (FY17)**

Date Projected	Elementary	Middle	High School	Total
Fall 2013	5,899	2,852	4,150	12,901
Fall 2014	5,905	2,847	4,042	12,794
Fall 2015	5,787	2,838	3,955	12,580
Actual October 2016	5,801	2,860	3,996	12,657

Overall, the October 1, 2016 actual enrollment of 12,657 students is 77 students higher than projected in the November 2015 Enrollment Analysis Report, a 0.6% variance from projection. For comparison, variances from projection in the last three years were -1.4% in 2015-16, -0.7% in 2014-15, and 0.0% in 2013-14. In the past 16 years, Newton has had six negative variances when actual enrollment has been lower than projected enrollment. More commonly in this time period, the actual enrollment has been higher than the projection. This year, all three grade levels are enrolled at higher than anticipated levels with 14, 22 and 41 more students at the elementary, middle and high school grade levels respectively, variances ranging from 0.2% to 1.0%.

Table 12 provides a one-page summary of last year's projections by school. Of the six elementary schools that had enrollments lower than projected, Underwood and Bowen had the largest variances of -4.9% (16 fewer students) and -4.4% (19 fewer students), respectively. Peirce and Williams had negative variances around 2% and enrolled 6 to 7 fewer students than expected. Cabot and Mason-Rice were among the schools with more students enrolled than projected; these schools enrolled 12 and 19 more students, or 3.1% and 3.9%, respectively. Bigelow and Oak Hill both varied from projection by more than 2% with Oak Hill having the greatest variance of 4.4% and 27 more students. Newton South enrolled 50 more students than projected, or a 2.8% variance. Newton North was close to projection with nine fewer students, a -0.4% variance.

Table 13 provides school and grade detail comparing the 2016-17 enrollment to the projections made last year. This table illustrates that grades 1, 2, 10 and 11 had the highest variances from projection of over 2%, with the variance for grades 10 and 11 being the highest at 3.3% and 3.2%, respectively. At the middle school level, all grade levels were close to projection with variances by grade of at most 13 students, and under 2%. The projection for grade seven was the most accurate at 0.2%. Grades 10 and 11 at the high school exceeded projection each by 31 students and just over 3%.

**TABLE 12
COMPARISON OF OCTOBER, 2015 AND OCTOBER, 2016 ENROLLMENTS AND
COMPARISON OF PROJECTED WITH ACTUAL OCTOBER, 2016 ENROLLMENT**

SCHOOLS	OCTOBER 2015 ACTUAL	October 2016 Actual By Grade										Special Education **	OCTOBER 2016 ACTUAL	DIFF. 2016- 2015	% DIFF.	2016 Projected*	DIFF. ACTUAL/ PROJ.	% DIFF.		
		K	1	2	3	4	5													
Angier	409	78	66	79	71	70	57								12	2.9%	416	5	1.2%	
Bowen	449	60	61	60	95	68	73								-32	-7.1%	436	-19	-4.4%	
Burr	412	48	68	74	80	62	70								-10	-2.4%	404	-2	-0.5%	
Cabot	403	52	56	76	69	76	71								-3	-0.7%	388	12	3.1%	
Countryside	450	63	77	81	66	73	76								-14	-3.1%	431	5	1.2%	
Franklin	424	79	67	89	77	64	70								22	5.2%	448	-2	-0.4%	
Horace Mann	412	62	67	62	69	71	86								5	1.2%	412	5	1.2%	
Lincoln-Eliot	340	62	55	57	63	51	58								6	1.8%	340	6	1.8%	
Mason-Rice	492	67	90	99	93	90	68								15	3.0%	488	19	3.9%	
Memorial-Spaulding	452	71	84	85	74	72	68								2	0.4%	450	4	0.9%	
Peirce	314	38	42	60	44	53	62								-15	-4.8%	306	-7	-2.3%	
Underwood	326	47	44	65	48	55	54								-13	-4.0%	329	-16	-4.9%	
Ward	304	49	45	54	56	58	51								9	3.0%	308	5	1.6%	
Williams	290	44	65	44	43	58	39								3	1.0%	299	-6	-2.0%	
Zervas	308	65	56	57	57	55	47								29	9.4%	332	5	1.5%	
SUB-TOTAL	5,785	885	943	1042	1005	976	950	0	0	0	0	0	0	0	16	0.3%	5,787	14	0.2%	
SCHOOLS																				
Bigelow	509				178	184	163								16	3.1%	513	12	2.3%	
Brown	780				241	281	252								-6	-0.8%	790	-16	-2.0%	
Day	927				309	318	295								-5	-0.5%	923	-1	-0.1%	
Oak Hill	602				233	189	217								37	6.1%	612	27	4.4%	
SUB-TOTAL	2,818				961	972	927	0	0	0	0	0	0	0	42	1.5%	2,838	22	0.8%	
SCHOOLS																				
Newton North	2,107			9	10	11	12													
Newton South	1,798			511	524	552	474								38	1.8%	2,154	-9	-0.4%	
SUB-TOTAL	3,905			992	976	1007	925	96	96	96	96	96	96	96	91	2.3%	3,955	41	1.0%	
GRAND TOTAL	12,508														149	1.2%	12,580	77	0.6%	

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

**North includes 84 students receiving special education services outside of the classroom for a significant amount of time.

South includes 12 students receiving special education services outside of the classroom for a significant amount of time.

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

**TABLE 13
ACTUAL AND PROJECTED ELEMENTARY ENROLLMENTS BY SCHOOL 2016-17**

Grade	Angier		Bowen		Burr		Cabot		Countryside	
	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17
K	78	67	60	62	48	60	52	59	63	63
1	66	69	61	62	68	64	56	56	77	73
2	79	79	60	68	74	70	76	69	81	74
3	71	73	95	100	80	80	69	63	66	65
4	70	70	68	70	62	62	76	75	73	78
5	57	58	73	74	70	68	71	66	76	78
Total	421	416	417	436	402	404	400	388	436	431

Grade	Franklin		Horace Mann		Lincoln-Eliot		Mason-Rice		M-Spaulding	
	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17
K	79	69	62	64	62	54	67	66	71	71
1	67	70	67	59	55	59	90	86	84	83
2	89	87	62	64	57	58	99	96	85	82
3	77	74	69	69	63	63	93	90	74	73
4	64	70	71	73	51	53	90	85	72	71
5	70	78	86	83	58	53	68	65	68	70
Total	446	448	417	412	346	340	507	488	454	450

Grade	Peirce		Underwood		Ward		Williams		Zervas	
	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17
K	38	46	47	48	49	41	44	45	65	80
1	42	44	44	44	45	48	65	64	56	46
2	60	55	65	68	54	50	44	42	57	54
3	44	46	48	55	56	59	43	43	57	55
4	53	50	55	58	58	58	58	62	55	53
5	62	65	54	56	51	52	39	43	47	44
Total	299	306	313	329	313	308	293	299	337	332

Grade	TOTAL ELEM.		N Diff	% Diff.
	Actual 16/17	Proj. 16/17		
K	885	895	-10	-1.1%
1	943	927	16	1.7%
2	1042	1016	26	2.6%
3	1005	1008	-3	-0.3%
4	976	988	-12	-1.2%
5	950	953	-3	-0.3%
Total	5,801	5,787	14	0.2%

**TABLE 13 (CONT.)
ACTUAL AND PROJECTED SECONDARY ENROLLMENTS BY SCHOOL 2016-17**

Grade	Bigelow		Brown		Day		Oak Hill	
	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17
6	178	171	241	248	309	322	233	213
7	184	182	281	284	318	311	189	193
8	163	160	252	258	295	290	217	206
Total	525	513	774	790	922	923	639	612

Grade	TOTAL MIDDLE		N Diff.	% Diff.
	Actual 16/17	Proj. 16/17		
6	961	954	7	0.7%
7	972	970	2	0.2%
8	927	914	13	1.4%
Total	2,860	2,838	22	0.8%

Grade	North		South		TOTAL HIGH		N Diff.	% Diff.
	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17	Actual 16/17	Proj. 16/17		
9	511	539	481	457	992	996	-4	-0.4%
10	524	509	452	436	976	945	31	3.3%
11	552	540	455	436	1,007	976	31	3.2%
12	474	484	451	450	925	934	-9	-1.0%
Sp. Ed.	84	82	12	22	96	104	-8	-7.7%
Total	2,145	2,154	1,851	1,801	3,996	3,955	41	1.0%

Division	Actual 16/17	Proj. 16/17	N Diff.	% Diff.
Elementary	5,801	5,787	14	0.2%
Middle	2,860	2,838	22	0.8%
High	3,996	3,955	41	1.0%
Total	12,657	12,580	77	0.6%

**TABLE 14
ACTUAL AND PROJECTED K-12 ENROLLMENTS 2011-12 TO 2021-22**

Grade	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	Proj. 17/18	Proj. 18/19	Proj. 19/20	Proj. 20/21	Proj. 21/22
K	895	900	934	903	958	962	938	892	877	922	885	895	902	899	894	904	906
1	940	941	936	945	977	984	999	1007	1005	979	943	927	935	948	949	951	961
2	956	949	966	974	945	965	979	1008	992	1020	1042	1016	955	949	960	958	963
3	923	920	981	970	982	994	946	966	977	997	1005	1008	1060	968	964	973	972
4	1017	1012	938	930	993	1000	980	994	949	955	976	988	1013	1069	979	972	981
5	937	931	1021	1016	944	946	991	993	985	986	950	953	980	1020	1076	980	979
Sp.Ed.	19	17	14	19	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5,687	5,670	5,790	5,757	5,799	5,851	5,833	5,860	5,785	5,859	5,801	5,787	5,845	5,853	5,822	5,738	5,762
6	922	940	900	909	978	997	922	911	963	959	961	954	925	952	994	1048	955
7	875	865	922	925	932	907	963	986	912	926	972	970	968	931	959	1001	1053
8	866	859	889	872	939	928	921	941	943	967	927	914	979	972	935	965	1007
Sp.Ed.	4	7	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,667	2,671	2,719	2,710	2,849	2,832	2,806	2,838	2,818	2,852	2,860	2,838	2,872	2,855	2,888	3,014	3,015
9	875	851	931	910	954	938	977	999	945	983	992	996	979	1033	1027	985	1013
10	896	912	886	883	941	940	941	967	973	982	976	945	1002	988	1041	1035	994
11	843	855	897	895	888	884	964	939	937	945	1007	976	988	1013	998	1053	1047
12	830	836	845	835	910	893	888	886	946	968	925	934	1005	986	1011	997	1050
Sp.Ed.	124	103	102	124	100	102	94	100	104	94	96	104	96	96	96	96	96
Total	3,568	3,557	3,661	3,647	3,793	3,757	3,864	3,891	3,905	3,972	3,996	3,955	4,070	4,116	4,173	4,166	4,200
K-12																	
TOTAL	11,922	11,898	12,170	12,114	12,441	12,440	12,503	12,589	12,508	12,683	12,657	12,580	12,787	12,824	12,883	12,918	12,977
% Change	0.2%		0.5%		0.0%		-0.7%		-1.4%		0.6%		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, next year's 6th graders at Oak Hill Middle School are made up of the 5th grade cohorts from Bowen, Memorial-Spaulding and Zervas. The five-year average cohort survival ratio for schools entering Oak Hill is 0.97. There are 232 resident students in the group described above. The cohort calculation therefore yields 225 (232×0.97) students. Eight current non-resident students are added to this total, resulting in the final projection of 233 students for students entering the 6th grade at Oak Hill next year. These forecasts help communities to better understand the impact of trends and changes in enrollment, migration and births on school population. All projections are based on underlying assumptions that use historical school enrollment and census data.

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

Most school systems use the "Cohort Survival" method, or some variation, as the technique to provide enrollment forecasts. The basic unit used in this technique is the ratio, a measure that expresses the relative size of two numbers. The cohort survival ratio

method models and calculates the flow of a cohort or age group of pupils through the system from one grade to the next over a number of years.

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

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

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

5. What procedure historically has been utilized in Newton?

The cohort survival ratio method for system-wide projections with adjustments, if appropriate, at the school level has been used for many years. In the past, a combination of three-year and five-year average ratios has been used. This report includes five-year ratios for grades 1 through 12 in order to provide a consistent timeframe for the model across all schools and to take advantage of a full five years of growth. A four-year adjusted average of previous kindergarten classroom populations is used for next year's kindergarten projection. Within the past for kindergarten projections, Newton has used city census data for the number of children aged 3 or 4 years as compared to the kindergarten population two years hence. This year's city census data was too low to formulate a reasonable kindergarten projection.

6. How accurate are projections?

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

"Goodness of fit," a measure of the percentage of error, is determined by dividing the actual enrollment figure by the projected enrollment figure for each level. The errors are the magnitude of the percentage difference between projected and actual enrollments. A small percentage of error is preferred. Research literature indicates that total school district enrollment may be projected with an accuracy of plus or minus 1%, yet an individual school's error rate might exceed 10%. Past system-wide error rates in Newton have been

low, at around +/-1%, while grade level and school based projections have been significantly higher. Tables 12, 13 and 14 show the accuracy of projections at the system level and also school by school and grade by grade.

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

III. ENROLLMENT HISTORY

Grade-by-Grade Analysis

A Comparison to Peak Enrollment Years

III. ENROLLMENT HISTORY

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

Grade-by-Grade Analysis

Table 15 shows the changes in size of each grade from 2015-16 to 2016-17. Most migrations were positive, the largest of which was 66 students from kindergarten to grade 1. The net in-migration from grade 8 to grade 9 was also robust, with cohort growth of 49 students. There were negative migrations in middle school, namely grade 5 to grade 6 (-24 students), and in high school, from grade 11 to grade 12 (-12 students).

Table 16 shows Newton's historical cohort survival ratios by grade from 1991-92 through 2016-17. This table shows the net in- and out-migration patterns for each grade level. *Ratios greater than one indicate growth and ratios less than one indicate a decrease in the trend.* Over the years, each cohort moving from K-1 has a survival ratio greater than one, indicating net in-migration. In the past two years, the ratio from grade K-1 has been robust, at 1.07 and 1.08, underscoring the recent trend of families to move into Newton earlier on in elementary school. The grade 1-2 at 1.04 is at its highest this year since 2010-11. Other elementary school ratios (grades 2-3, 3-4, and 4-5) are between 1.00 and 1.01, indicating net enrollment stability. An average of the ratios from these four elementary grades is 1.01 this year; the peak average has been 1.02 during the course of enrollment growth trend that began in 2004.

This year's ratio of 0.98 from grade 5-6 is considered typical; in past years and in this year, the transition from elementary school to middle school has been marked by net out-migration between grades 5 to 6 as some students leave to enroll in private schools. Conversely, the transition from grade 8 to high school has historically shown a net in-migration as students enter the public school during this transition year. This year's ratio from grade 8 to grade 9 is 1.05 and compares to last year's ratio of 1.03 but is lower than the four peak years between 2010 and 2013 where the grade 8 to 9 ratio was 1.07 or 1.08.

A Comparison to Peak Enrollment Years

Current South High School enrollment of 1,851 students is at an historic peak. Total 2016-17 enrollment of 12,657 is 69% of the 1967 peak enrollment of 18,424. At the beginning of the current growth trend in 2004, the district's enrollment of 11,268 students was 61% of the 1967 peak year.

<u>Peak</u>	<u>Enrollment</u>	<u>Year</u>	<u>Number of K -12 Schools</u>
K-12	18,424	1967	23 Elementary, 5 Jr. Highs, 2 Sr. Highs
K-6	9,887	1960	25 Elementary, 5 Jr. Highs, 2 Sr. Highs, 1 Technical High School
North High	2,976	1972	23 Elementary, 5 Jr. Highs, 2 Sr. Highs
South High	1,851	2016	15 Elementary, 4 Middle Schools, 2 Sr. Highs

**TABLE 15
ENROLLMENTS BY GRADE
2015 and 2016**

Grade	October 1 Enrollment		Changes in Enrollment 2015-2016 to 2016-2017		
	2015	Net Migration	2016	N	%
K	877		885	+8	+0.9%
1	1,005	+66	943	-62	-6.2%
2	992	+37	1,042	+50	+5.0%
3	977	+13	1,005	+28	+2.9%
4	949	-1	976	+27	+2.8%
5	985	+1	950	-35	-3.6%
		-24			
TOTAL ELEMENTARY SCHOOLS	5,785		5,801	+16	+0.3%
6	963		961	-2	-0.2%
7	912	+9	972	+60	+6.6%
8	943	+15	927	-16	-1.7%
9	945	+49	992	+47	+5.0%
10	973	+31	976	+3	+0.3%
11	937	+34	1,007	+70	+7.5%
12	946	-12	925	-21	-2.2%
Special Education/Ungraded*	104		96	-8	-7.7%
TOTAL SECONDARY SCHOOLS	6,723		6,856	+133	+2.0%
GRAND TOTAL	12,508		12,657	+149	+1.2%

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

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

TABLE 16
HISTORICAL COHORT SURVIVAL RATIOS BY GRADE

School Year	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
91-92	1.04	1.00	1.00	0.99	0.99	1.01	0.97	1.02	1.05	1.04	1.00	1.00
92-93	1.05	1.00	1.01	1.00	0.99	1.00	0.96	1.02	1.02	1.04	0.99	1.02
93-94	1.05	1.02	1.03	0.99	0.97	0.99	0.96	1.02	1.04	1.03	1.03	0.99
94-95	1.04	1.00	1.00	1.00	0.99	1.01	1.01	1.02	1.06	0.96	0.93	0.95
95-96	1.03	0.97	0.97	0.99	0.98	0.98	0.97	1.00	1.02	0.99	1.00	1.02
96-97	1.04	0.98	1.01	0.99	0.98	0.98	1.00	1.02	0.99	0.99	0.99	0.98
97-98	1.02	1.00	0.99	1.00	0.99	0.98	1.00	1.01	1.05	1.00	0.99	0.99
98-99	1.05	1.01	1.00	1.00	1.02	0.97	1.00	1.03	1.05	1.02	1.02	1.01
99-00	1.03	1.02	1.00	1.01	1.01	0.97	1.00	1.01	1.06	1.01	0.96	1.01
00-01	1.02	0.99	1.03	1.00	1.01	0.98	1.02	1.01	1.03	0.97	0.99	1.01
01-02	1.02	1.01	0.99	1.01	1.02	0.96	1.01	0.99	1.02	1.00	0.99	1.00
02-03	1.05	1.06	1.00	1.01	1.00	1.00	1.02	1.00	1.00	1.00	1.02	0.97
03-04	1.06	1.03	1.03	1.00	0.97	1.00	0.98	0.99	1.02	1.01	1.00	1.00
04-05	1.08	1.00	1.00	1.00	0.99	1.00	0.99	1.00	1.03	1.00	0.99	1.00
05-06	1.06	1.01	1.03	1.02	1.00	0.99	1.01	1.00	1.02	1.02	1.00	0.99
06-07	1.06	1.05	1.03	1.00	1.00	1.00	1.01	1.00	1.01	0.99	1.02	0.98
07-08	1.04	1.04	1.00	1.00	1.00	0.97	1.00	0.98	1.05	1.01	1.02	0.99
08-09	1.09	1.00	1.01	1.02	1.01	0.97	1.01	0.98	1.03	0.99	0.99	0.99
09-10	1.06	1.04	1.01	1.01	0.97	0.97	1.00	1.01	1.03	1.03	0.99	0.97
10-11	1.07	1.04	1.02	1.00	0.99	0.98	0.98	0.99	1.07	1.02	1.00	1.02
11-12	1.05	1.03	1.02	1.01	1.01	0.96	1.01	1.00	1.07	0.99	0.99	0.98
12-13	1.05	1.03	1.03	1.02	1.00	0.96	1.00	1.02	1.08	1.01	1.00	1.00
13-14	1.05	1.01	1.02	1.01	1.01	0.96	1.04	1.02	1.07	1.01	1.00	1.01
14-15	1.04	1.00	1.00	1.00	1.00	0.98	0.98	0.99	1.04	0.99	1.02	1.00
15-16	1.07	0.99	1.00	1.00	1.01	0.97	0.99	0.98	1.03	1.00	1.00	0.98
16-17	1.08	1.04	1.01	1.00	1.00	0.98	1.01	1.02	1.05	1.03	1.03	0.99

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2010-2011 TO 2021-2022

Year	ANGIER SCHOOL			BOWEN SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	375	-3.6%	-14	449	-1.1%	-5
2011-2012	395	5.3%	20	448	-0.2%	-1
2012-2013	408	3.3%	13	477	6.5%	29
2013-2014	417	2.2%	9	502	5.2%	25
2014-2015	402	-3.6%	-15	475	-5.4%	-27
2015-2016	409	1.7%	7	449	-5.5%	-26
2016-2017	421	2.9%	12	417	-7.1%	-32
2017-2018	444	5.5%	23	409	-1.9%	-8
2018-2019	455	2.5%	11	399	-2.4%	-10
2019-2020	464	2.0%	9	360	-9.8%	-39
2020-2021	466	0.4%	2	360	0.0%	0
2021-2022	476	2.1%	10	358	-0.6%	-2
% Change 2010-2011 to 2021-2022		26.9%			-20.3%	
% Change 2010-2011 to 2016-2017		12.3%			-7.1%	

Year	BURR SCHOOL			CABOT SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	391	3.2%	12	452	0.7%	3
2011-2012	409	4.6%	18	440	-2.7%	-12
2012-2013	415	1.5%	6	420	-4.5%	-20
2013-2014	424	2.2%	9	419	-0.2%	-1
2014-2015	424	0.0%	0	418	-0.2%	-1
2015-2016	412	-2.8%	-12	403	-3.6%	-15
2016-2017	402	-2.4%	-10	400	-0.7%	-3
2017-2018	395	-1.7%	-7	394	-1.5%	-6
2018-2019	392	-0.8%	-3	377	-4.3%	-17
2019-2020	369	-5.9%	-23	382	1.3%	5
2020-2021	352	-4.6%	-17	370	-3.1%	-12
2021-2022	339	-3.7%	-13	375	1.4%	5
% Change 2010-2011 to 2021-2022		-13.3%			-17.0%	
% Change 2010-2011 to 2016-2017		2.8%			-11.5%	

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2010-2011 TO 2021-2022

Year	COUNTRYSIDE SCHOOL			FRANKLIN SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	499	5.7%	27	397	-1.2%	-5
2011-2012	490	-1.8%	-9	401	1.0%	4
2012-2013	479	-2.2%	-11	396	-1.2%	-5
2013-2014	457	-4.6%	-22	389	-1.8%	-7
2014-2015	466	2.0%	9	413	6.2%	24
2015-2016	450	-3.4%	-16	424	2.7%	11
2016-2017	436	-3.1%	-14	446	5.2%	22
2017-2018	432	-0.9%	-4	455	2.0%	9
2018-2019	430	-0.5%	-2	467	2.6%	12
2019-2020	434	0.9%	4	469	0.4%	2
2020-2021	420	-3.2%	-14	457	-2.6%	-12
2021-2022	413	-1.7%	-7	469	2.6%	12
% Change 2010-2011 to 2021-2022		-17.2%			18.1%	
% Change 2010-2011 to 2016-2017		-12.6%			12.3%	

Year	HORACE MANN SCHOOL			LINCOLN-ELIOT SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	373	0.5%	2	293	0.7%	2
2011-2012	386	3.5%	13	317	8.2%	24
2012-2013	394	2.1%	8	322	1.6%	5
2013-2014	427	8.4%	33	329	2.2%	7
2014-2015	434	1.6%	7	337	2.4%	8
2015-2016	412	-5.1%	-22	340	0.9%	3
2016-2017	417	1.2%	5	346	1.8%	6
2017-2018	399	-4.3%	-18	347	0.3%	1
2018-2019	396	-0.8%	-3	355	2.3%	8
2019-2020	392	-1.0%	-4	349	-1.7%	-6
2020-2021	395	0.8%	3	352	0.9%	3
2021-2022	393	-0.5%	-2	354	0.6%	2
% Change 2010-2011 to 2021-2022		5.4%			20.8%	
% Change 2010-2011 to 2016-2017		11.8%			18.1%	

TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2010-2011 TO 2021-2022

Year	MASON-RICE SCHOOL			MEMORIAL-SPAULDING SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	442	3.3%	14	459	4.8%	21
2011-2012	437	-1.1%	-5	458	-0.2%	-1
2012-2013	438	0.2%	1	464	1.3%	6
2013-2014	457	4.3%	19	429	-7.5%	-35
2014-2015	478	4.6%	21	434	1.2%	5
2015-2016	492	2.9%	14	452	4.1%	18
2016-2017	507	3.0%	15	454	0.4%	2
2017-2018	516	1.8%	9	472	4.0%	18
2018-2019	504	-2.3%	-12	486	3.0%	14
2019-2020	487	-3.4%	-17	491	1.0%	5
2020-2021	458	-6.0%	-29	488	-0.6%	-3
2021-2022	443	-3.3%	-15	489	0.2%	1
% Change 2010-2011 to 2021-2022		0.2%			6.5%	
% Change 2010-2011 to 2016-2017		14.7%			-1.1%	

Year	PEIRCE SCHOOL			UNDERWOOD SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	318	-3.3%	-11	282	7.6%	20
2011-2012	316	-0.6%	-2	289	2.5%	7
2012-2013	337	6.6%	21	310	7.3%	21
2013-2014	312	-7.4%	-25	327	5.5%	17
2014-2015	306	-1.9%	-6	341	4.3%	14
2015-2016	314	2.6%	8	326	-4.4%	-15
2016-2017	299	-4.8%	-15	313	-4.0%	-13
2017-2018	285	-4.7%	-14	316	1.0%	3
2018-2019	280	-1.8%	-5	319	0.9%	3
2019-2020	281	0.4%	1	323	1.3%	4
2020-2021	265	-5.7%	-16	307	-5.0%	-16
2021-2022	269	1.5%	4	315	2.6%	8
% Change 2010-2011 to 2021-2022		-15.4%			11.7%	
% Change 2010-2011 to 2016-2017		-6.0%			11.0%	

**TABLE 17
PERCENT OF CHANGE BY ELEMENTARY SCHOOL
2010-2011 TO 2021-2022**

Year	WARD SCHOOL			WILLIAMS SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	269	3.5%	9	298	7.6%	21
2011-2012	278	3.3%	9	302	1.3%	4
2012-2013	301	8.3%	23	304	0.7%	2
2013-2014	289	-4.0%	-12	304	0.0%	0
2014-2015	304	5.2%	15	292	-3.9%	-12
2015-2016	304	0.0%	0	290	-0.7%	-2
2016-2017	313	3.0%	9	293	1.0%	3
2017-2018	311	-0.6%	-2	299	2.0%	6
2018-2019	306	-1.6%	-5	290	-3.0%	-9
2019-2020	302	-1.3%	-4	297	2.4%	7
2020-2021	297	-1.7%	-5	301	1.3%	4
2021-2022	304	2.4%	7	287	-4.7%	-14
% Change 2010-2011 to 2021-2022		13.0%			-3.7%	
% Change 2010-2011 to 2016-2017		16.4%			-1.7%	

Year	ZERVAS SCHOOL			TOTAL ELEMENTARY K-5		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	349	7.1%	23	5,646	2.2%	119
2011-2012	321	-8.0%	-28	5,687	0.7%	41
2012-2013	325	1.2%	4	5,790	1.8%	103
2013-2014	317	-2.5%	-8	5,799	0.2%	9
2014-2015	309	-2.5%	-8	5,833	0.6%	34
2015-2016	308	-0.3%	-1	5,785	-0.8%	-48
2016-2017	337	9.4%	29	5,801	0.3%	16
2017-2018	371	10.1%	34	5,845	0.8%	44
2018-2019	397	7.0%	26	5,853	0.1%	8
2019-2020	422	6.3%	25	5,822	-0.5%	-31
2020-2021	450	6.6%	28	5,738	-1.4%	-84
2021-2022	478	6.2%	28	5,762	0.4%	24
% Change 2010-2011 to 2021-2022		37.0%			2.1%	
% Change 2010-2011 to 2016-2017		-3.4%			2.7%	

TABLE 18
PERCENT OF CHANGE BY MIDDLE SCHOOL
2010-2011 TO 2021-2022

Year	BIGELOW MIDDLE SCHOOL			BROWN MIDDLE SCHOOL			DAY MIDDLE SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2010-2011	523	-0.8%	-4	666	-2.6%	11	758	-1.9%	87
2011-2012	533	1.9%	10	677	1.7%	11	845	11.5%	87
2012-2013	531	-0.4%	-2	698	3.1%	21	874	3.4%	29
2013-2014	525	-1.1%	-6	743	6.4%	45	947	8.4%	73
2014-2015	504	-4.0%	-21	738	-0.7%	-5	932	-1.6%	-15
2015-2016	509	1.0%	5	780	5.7%	42	927	-0.5%	-5
2016-2017	525	3.1%	16	774	-0.8%	-6	922	-0.5%	-5
2017-2018	536	2.1%	11	744	-3.9%	-30	985	6.8%	63
2018-2019	531	-0.9%	-5	724	-2.7%	-20	988	0.3%	3
2019-2020	538	1.3%	7	732	1.1%	8	1012	2.4%	24
2020-2021	564	4.8%	26	802	9.6%	70	1026	1.4%	14
2021-2022	553	-2.0%	-11	822	2.5%	20	1012	-1.4%	-14
% Change 2010-2011 to 2021-2022		5.7%			23.4%			33.5%	
% Change 2010-2011 to 2016-2017		0.4%			16.2%			21.6%	

Year	OAK HILL MIDDLE SCHOOL			TOTAL MIDDLE SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change
2010-2011	603	5.4%	31	2550	5.1%	125
2011-2012	612	1.5%	9	2667	4.6%	117
2012-2013	616	0.7%	4	2719	1.9%	52
2013-2014	634	2.9%	18	2849	4.8%	130
2014-2015	632	-0.3%	-2	2806	-1.5%	-43
2015-2016	602	-4.7%	-30	2818	0.4%	12
2016-2017	639	6.1%	37	2860	1.5%	42
2017-2018	607	-5.0%	-32	2872	0.4%	12
2018-2019	612	0.8%	5	2855	-0.6%	-17
2019-2020	606	-1.0%	-6	2888	1.2%	33
2020-2021	622	2.6%	16	3014	4.4%	126
2021-2022	628	1.0%	6	3015	0.0%	1
% Change 2010-2011 to 2021- 2022		4.1%			18.2%	
% Change 2010-2011 to 2016- 2017		6.0%			12.2%	

TABLE 19
PERCENT OF CHANGE BY HIGH SCHOOL
2010-2011 TO 2021-2022

Year	NORTH HIGH SCHOOL			SOUTH HIGH SCHOOL			TOTAL HIGH SCHOOL		
	Total	% Change	# Change	Total	% Change	# Change	Total	% Change	# Change
2010-2011	1,871	3.8%	69	1,708	-0.8%	-14	3,579	1.5%	55
2011-2012	1,877	0.3%	6	1,691	-1.0%	-17	3,568	-0.3%	-11
2012-2013	1,940	3.4%	63	1,721	1.8%	30	3,661	2.6%	93
2013-2014	2,015	3.9%	75	1,778	3.3%	57	3,793	3.6%	132
2014-2015	2,060	2.2%	45	1,804	1.5%	26	3,864	1.9%	71
2015-2016	2,107	2.3%	47	1,798	-0.3%	-6	3,905	1.1%	41
2016-2017	2,145	1.8%	38	1,851	2.9%	53	3,996	2.3%	91
2017-2018	2,163	0.8%	18	1,907	3.0%	56	4,070	1.9%	74
2018-2019	2,154	-0.4%	-9	1,962	2.9%	55	4,116	1.1%	46
2019-2020	2,154	0.0%	0	2,019	2.9%	57	4,173	1.4%	57
2020-2021	2,198	2.0%	44	1,968	-2.5%	-51	4,166	-0.2%	-7
2021-2022	2,258	2.7%	60	1,942	-1.3%	-26	4,200	0.8%	34
% Change 2010-2011 to 2021-2022		20.7%			13.7%			17.4%	
% Change 2010-2011 to 2016-2017		14.6%			8.4%			11.7%	

IV. INDIVIDUAL SCHOOL REPORTS

IV. INDIVIDUAL SCHOOL REPORTS

The individual school reports contain the following information:

Elementary Schools

1. Enrollments by grade for last year (2015-16) and this year (2016-17) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2017-18 to 2021-22) are also reported based on a 5-year cohort survival ratio average for grades 1 through 5 and an adjusted straight 4-year average for kindergarten.
2. Ten years of kindergarten and total school enrollments.
3. Distribution of the ages of incoming kindergarten students since 2009.
4. The number of children younger than age five living in each district.
5. A line graph depicting enrollment history over time and projections (5 years).

Middle Schools

1. Enrollments by grade for last year (2015-16) and this year (2016-17) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2017-18 to 2021-22) 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 (2017-18).
4. A line graph depicting enrollment history over time and projections (5 years).

High Schools

1. Enrollments by grade for last year (2015-16) and this year (2016-17) and the change in enrollment at each grade level. Enrollment projections by grade for the next five years (2017-18 to 2021-22) 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 (2017-18).
4. A line graph depicting enrollment history over time and projections (5 years).

Angier

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	62	78	16	25.8%	72	72	73	75	72
1	74	66	-8	-10.8%	83	76	77	78	79
2	70	79	9	12.9%	67	85	77	78	79
3	70	71	1	1.4%	81	69	87	79	80
4	59	70	11	18.6%	72	82	70	88	80
5	74	57	-17	-23.0%	69	71	80	68	86
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	409	421*	12	2.9%	444	455	464	466	476

*Includes 11 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	67	401		
2008	47	392	-9	-2.2%
2009	48	389	-3	-0.8%
2010	57	375	-14	-3.6%
2011	62	395	20	5.3%
2012	69	408	13	3.3%
2013	67	417	9	2.2%
2014	65	402	-15	-3.6%
2015	62	409	7	1.7%
2016	78	421	12	2.9%

Peak enrollment year: 2016, 421 students

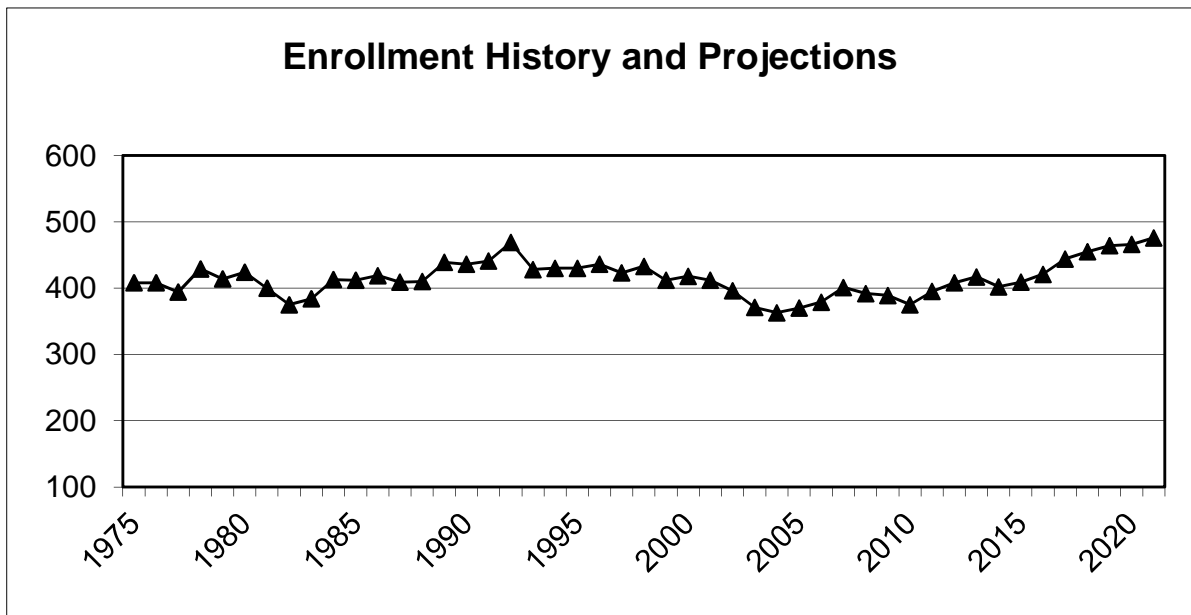
Angier

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	43	89.6%	5	10.4%	48
2010	56	98.2%	1	1.8%	57
2011	57	91.9%	5	8.1%	62
2012	67	97.1%	2	2.9%	69
2013	63	94.0%	4	6.0%	67
2014	61	93.8%	4	6.2%	65
2015	58	93.5%	4	6.5%	62
2016	74	94.9%	4	5.1%	78

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	25	2020-2021
2	32	2019-2020
3	37	2018-2019
4	41	2017-2018



Bowen

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	59	60	1	1.7%	62	56	55	56	56
1	67	61	-6	-9.0%	64	66	59	59	60
2	99	60	-39	-39.4%	61	64	66	59	59
3	71	95	24	33.8%	59	59	63	64	57
4	71	68	-3	-4.2%	93	58	58	62	63
5	82	73	-9	-11.0%	70	96	59	60	63
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	449	417*	-32	-7.1%	409	399	360	360	358

*Includes 18 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	77	428		
2008	59	435	7	1.6%
2009	69	454	19	4.4%
2010	70	449	-5	-1.1%
2011	67	448	-1	-0.2%
2012	79	477	29	6.5%
2013	95	502	25	5.2%
2014	65	475	-27	-5.4%
2015	59	449	-26	-5.5%
2016	60	417	-32	-7.1%

Peak enrollment year: 2013, 502 students

Bowen

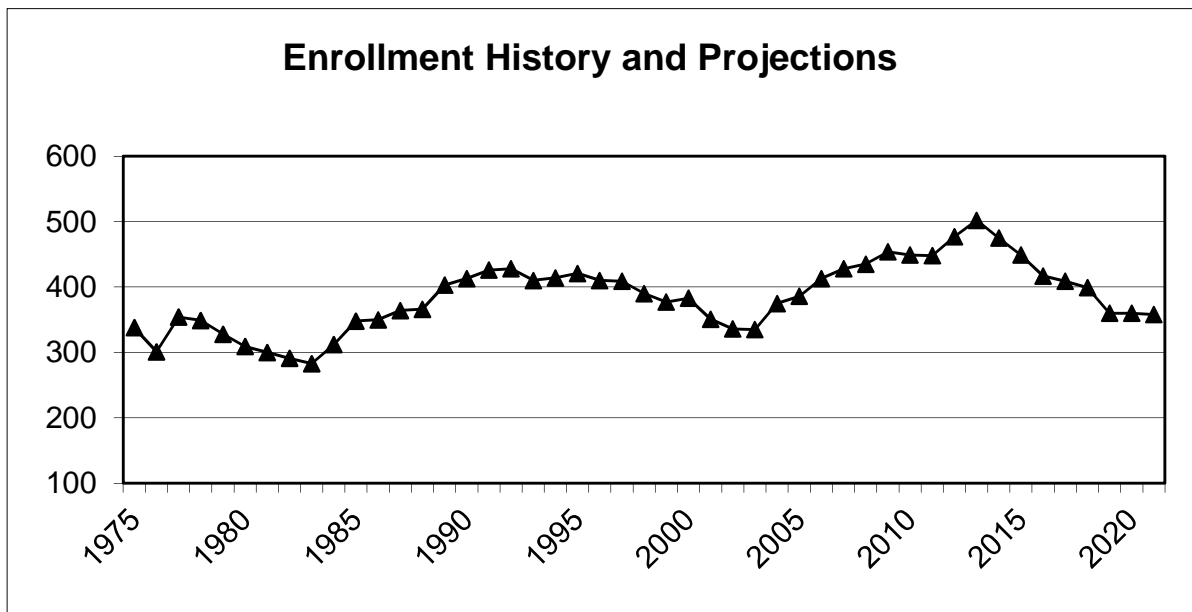
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	61	88.4%	8	11.6%	69
2010	68	97.1%	2	2.9%	70
2011	63	94.0%	4	6.0%	67
2012	74	93.7%	5	6.3%	79
2013	93	97.9%	2	2.1%	95
2014	61	93.8%	4	6.2%	65
2015	55	93.2%	4	6.8%	59
2016	58	96.7%	2	3.3%	60

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	23	2020-2021
2	25	2019-2020
3	31	2018-2019
4	37	2017-2018



Burr

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	63	48	-15	-23.8%	59	56	54	53	55
1	70	68	-2	-2.9%	50	61	58	57	55
2	80	74	-6	-7.5%	69	51	62	59	57
3	62	80	18	29.0%	74	69	51	62	59
4	68	62	-6	-8.8%	80	74	69	51	62
5	69	70	1	1.4%	63	81	75	70	51
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	412	402*	-10	-2.4%	395	392	369	352	339

*Includes 5 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	54	331		
2008	68	369	38	11.5%
2009	69	379	10	2.7%
2010	65	391	12	3.2%
2011	68	409	18	4.6%
2012	65	415	6	1.5%
2013	80	424	9	2.2%
2014	70	424	0	0.0%
2015	63	412	-12	-2.8%
2016	48	402	-10	-2.4%

Peak enrollment year: 2013, 424 students

Burr

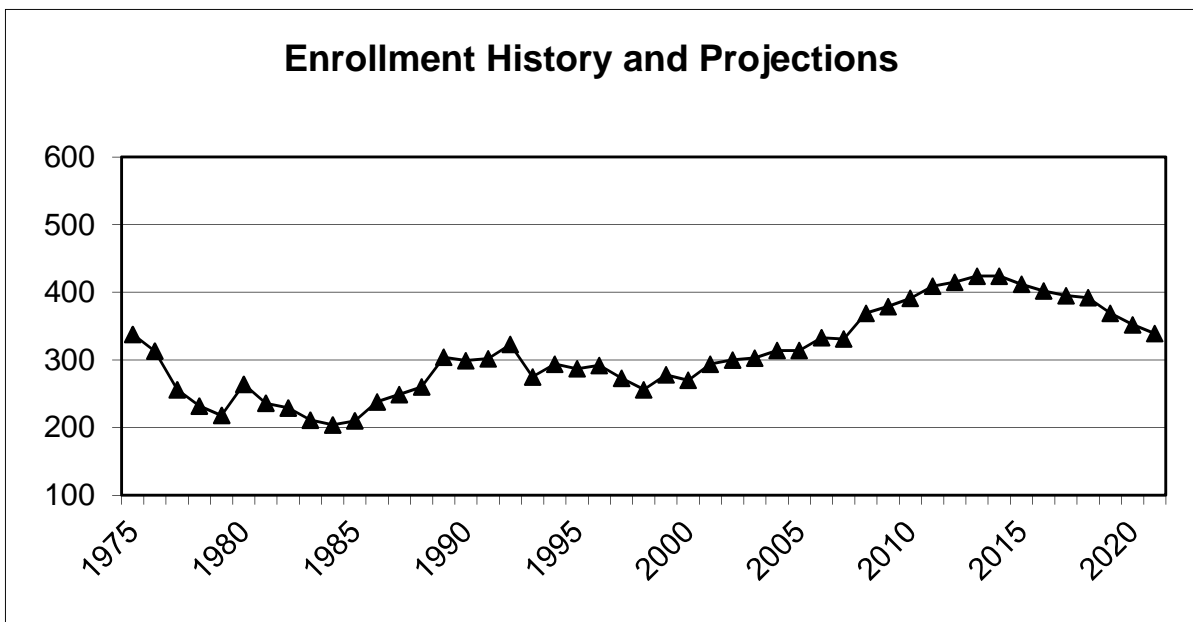
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	60	87.0%	9	13.0%	69
2010	60	92.3%	5	7.7%	65
2011	64	94.1%	4	5.9%	68
2012	62	95.4%	3	4.6%	65
2013	78	97.5%	2	2.5%	80
2014	67	95.7%	3	4.3%	70
2015	62	98.4%	1	1.6%	63
2016	46	95.8%	2	4.2%	48

*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, 2016 City Census)

Age	Number	Year Entering K
1	18	2020-2021
2	28	2019-2020
3	23	2018-2019
4	30	2017-2018



Cabot

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	52	52	0	0.0%	54	54	56	56	57
1	69	56	-13	-18.8%	57	58	63	63	61
2	62	76	14	22.6%	59	58	63	65	65
3	76	69	-7	-9.2%	79	60	61	64	66
4	66	76	10	15.2%	68	78	60	62	63
5	78	71	-7	-9.0%	77	69	79	60	63
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	403	400*	-3	-0.7%	394	377	382	370	375

*Includes 14 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	60	424		
2008	63	425	1	0.2%
2009	69	449	24	5.6%
2010	72	452	3	0.7%
2011	63	440	-12	-2.7%
2012	73	420	-20	-4.5%
2013	54	419	-1	-0.2%
2014	61	418	-1	-0.2%
2015	52	403	-15	-3.6%
2016	52	400	-3	-0.7%

Peak enrollment year: 2010, 452 students

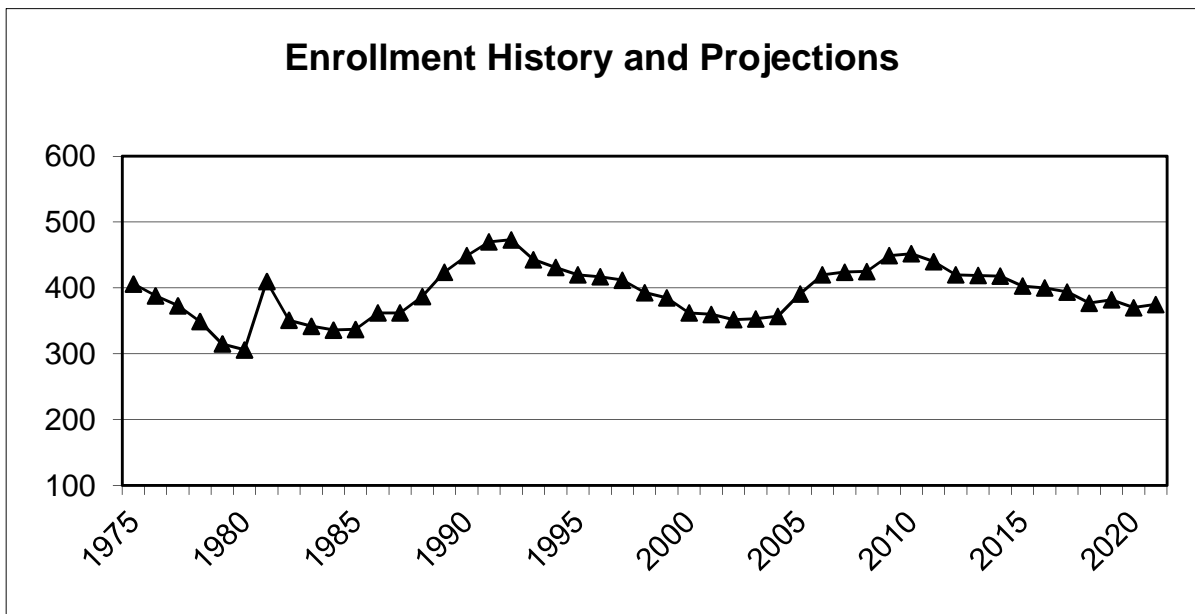
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DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	64	92.8%	5	7.2%	69
2010	71	98.6%	1	1.4%	72
2011	60	95.2%	3	4.8%	63
2012	68	93.2%	5	6.8%	73
2013	51	94.4%	3	5.6%	54
2014	58	95.1%	3	4.9%	61
2015	51	98.1%	1	1.9%	52
2016	47	90.4%	5	9.6%	52

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	30	2020-2021
2	34	2019-2020
3	39	2018-2019
4	36	2017-2018



Countryside

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	70	63	-7	-10.0%	64	66	65	65	65
1	75	77	2	2.7%	66	66	68	69	69
2	63	81	18	28.6%	77	66	66	68	69
3	76	66	-10	-13.2%	84	79	69	68	71
4	76	73	-3	-3.9%	67	85	80	69	69
5	90	76	-14	-15.6%	74	68	86	81	70
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	450	436*	-14	-3.1%	432	430	434	420	413

*Includes 10 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	82	447		
2008	85	479	32	7.2%
2009	85	472	-7	-1.5%
2010	86	499	27	5.7%
2011	62	490	-9	-1.8%
2012	69	479	-11	-2.2%
2013	64	457	-22	-4.6%
2014	72	466	9	2.0%
2015	70	450	-16	-3.4%
2016	63	436	-14	-3.1%

Peak enrollment year: 2010, 499 students

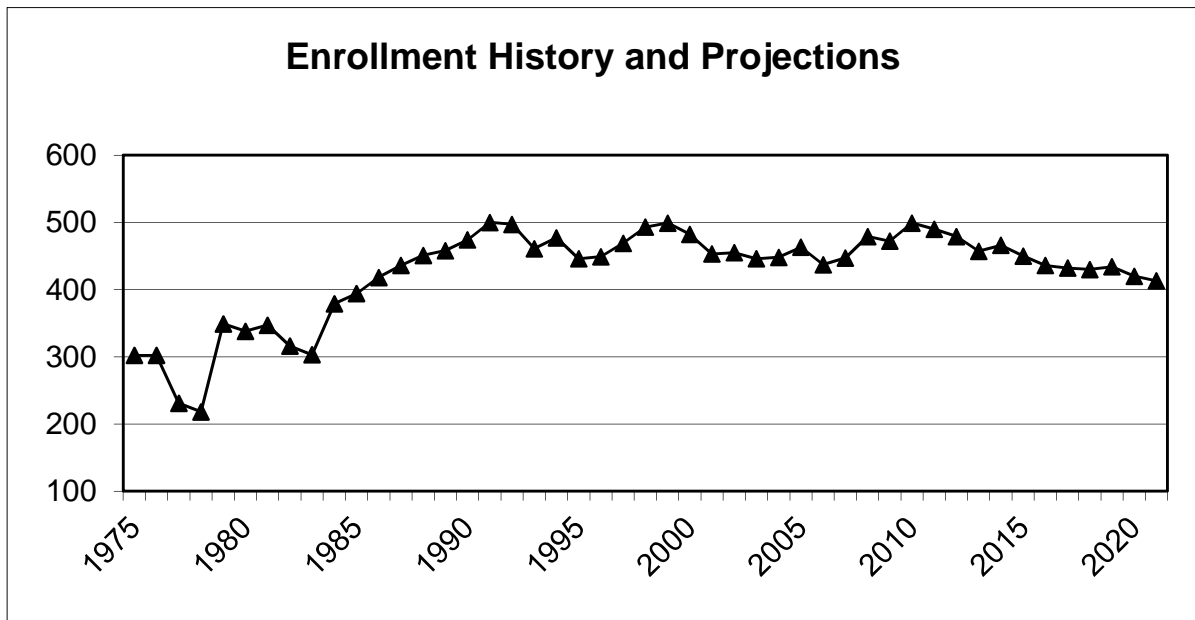
Countryside

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	74	87.1%	11	12.9%	85
2010	83	96.5%	3	3.5%	86
2011	59	95.2%	3	4.8%	62
2012	66	95.7%	3	4.3%	69
2013	64	100.0%	0	0.0%	64
2014	72	100.0%	0	0.0%	72
2015	69	98.6%	1	1.4%	70
2016	63	100.0%	0	0.0%	63

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	10	2020-2021
2	22	2019-2020
3	27	2018-2019
4	28	2017-2018



Franklin

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	67	79	12	17.9%	75	75	74	76	76
1	87	67	-20	-23.0%	80	76	76	76	78
2	73	89	16	21.9%	67	80	76	76	76
3	71	77	6	8.5%	92	69	83	78	79
4	74	64	-10	-13.5%	75	90	68	81	77
5	52	70	18	34.6%	66	77	92	70	83
Spec. Ed.**	0	0	0		0	0	0	0	0
TOTAL	424	446*	22	5.2%	455	467	469	457	469

*Includes 12 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	64	401		
2008	56	396	-5	-1.2%
2009	67	402	6	1.5%
2010	42	397	-5	-1.2%
2011	72	401	4	1.0%
2012	63	396	-5	-1.2%
2013	78	389	-7	-1.8%
2014	76	413	24	6.2%
2015	67	424	11	2.7%
2016	79	446	22	5.2%

Peak enrollment year: 2016, 446 students

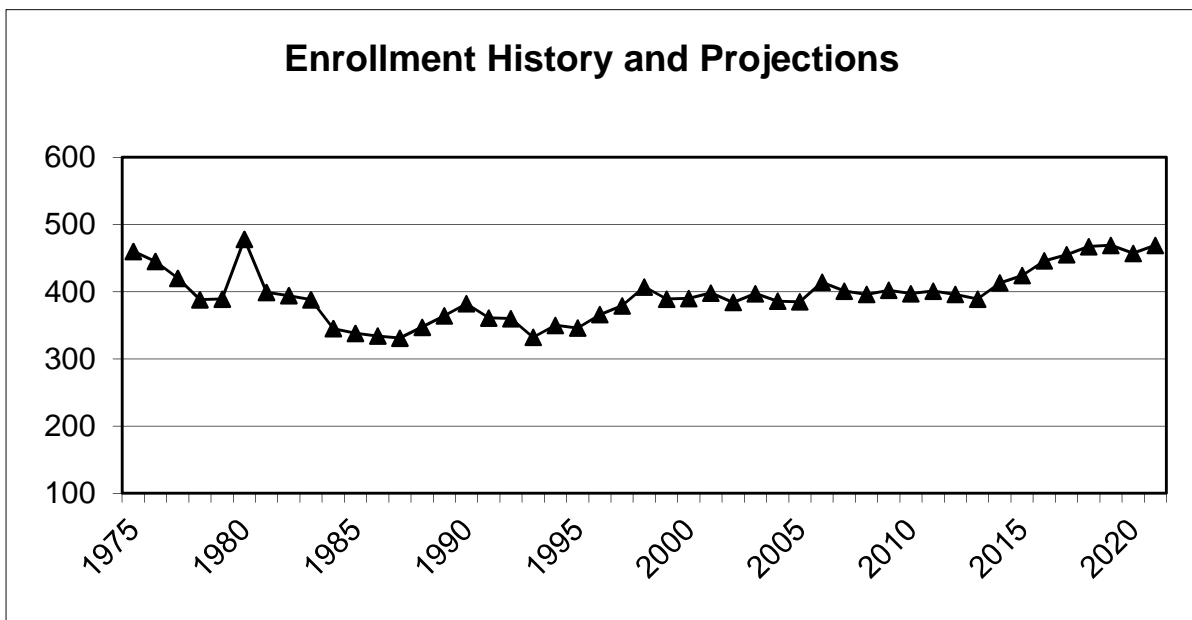
Franklin

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	63	94.0%	4	6.0%	67
2010	35	83.3%	7	16.7%	42
2011	71	98.6%	1	1.4%	72
2012	61	96.8%	2	3.2%	63
2013	77	98.7%	1	1.3%	78
2014	70	92.1%	6	7.9%	76
2015	64	95.5%	3	4.5%	67
2016	76	96.2%	3	3.8%	79

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	39	2020-2021
2	43	2019-2020
3	42	2018-2019
4	51	2017-2018



Horace Mann

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	57	62	5	8.8%	61	61	60	61	61
1	65	67	2	3.1%	66	65	65	65	65
2	68	62	-6	-8.8%	66	65	64	64	64
3	69	69	0	0.0%	64	67	67	66	65
4	84	71	-13	-15.5%	72	67	70	70	69
5	69	86	17	24.6%	70	71	66	69	69
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	412	417*	5	1.2%	399	396	392	395	393

*Includes 10 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	49	348		
2008	67	370	22	6.3%
2009	57	371	1	0.3%
2010	67	373	2	0.5%
2011	80	386	13	3.5%
2012	65	394	8	2.1%
2013	67	427	33	8.4%
2014	65	434	7	1.6%
2015	57	412	-22	-5.1%
2016	62	417	5	1.2%

Peak enrollment year: 2014, 434 students

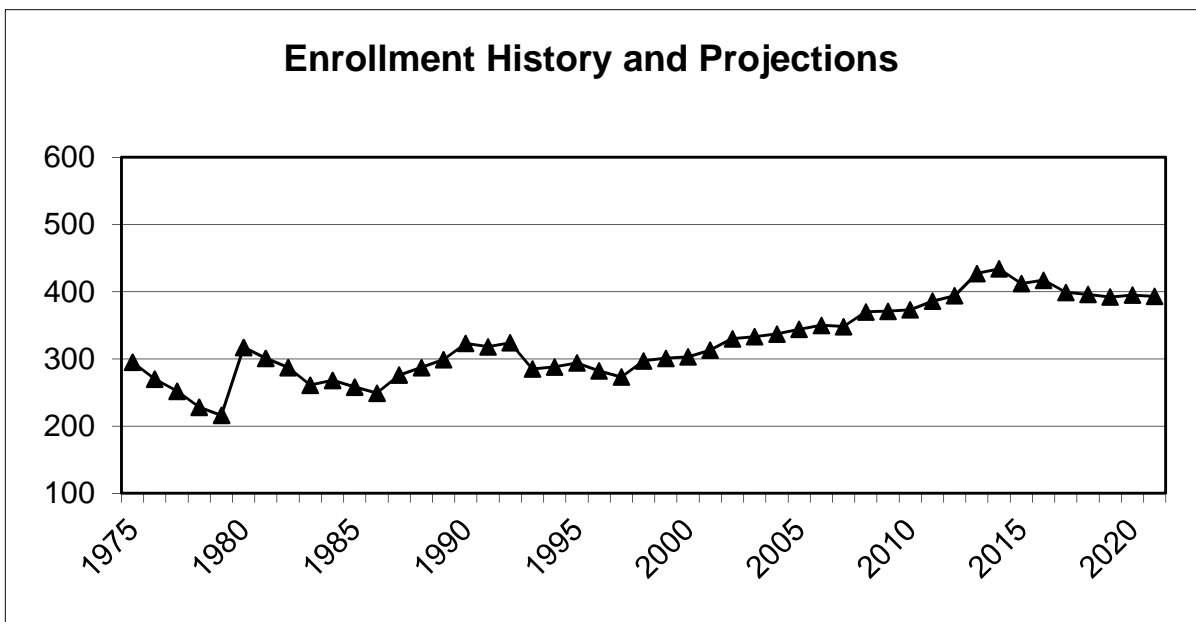
Horace Mann

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	53	93.0%	4	7.0%	57
2010	65	97.0%	2	3.0%	67
2011	78	97.5%	2	2.5%	80
2012	59	90.8%	6	9.2%	65
2013	66	98.5%	1	1.5%	67
2014	62	95.4%	3	4.6%	65
2015	53	93.0%	4	7.0%	57
2016	55	88.7%	7	11.3%	62

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	16	2020-2021
2	17	2019-2020
3	25	2018-2019
4	21	2017-2018



Lincoln-Eliot

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	58	62	4	6.9%	59	58	60	61	59
1	56	55	-1	-1.8%	60	58	57	59	59
2	63	57	-6	-9.5%	56	62	59	58	60
3	51	63	12	23.5%	54	54	59	56	55
4	52	51	-1	-1.9%	64	55	55	60	57
5	60	58	-2	-3.3%	54	68	59	58	64
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	340	346*	6	1.8%	347	355	349	352	354

*Includes 16 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	45	293		
2008	43	284	-9	-3.1%
2009	49	291	7	2.5%
2010	58	293	2	0.7%
2011	55	317	24	8.2%
2012	48	322	5	1.6%
2013	63	329	7	2.2%
2014	57	337	8	2.4%
2015	58	340	3	0.9%
2016	62	346	6	1.8%

Peak enrollment year: 2016, 346 students

Lincoln-Eliot

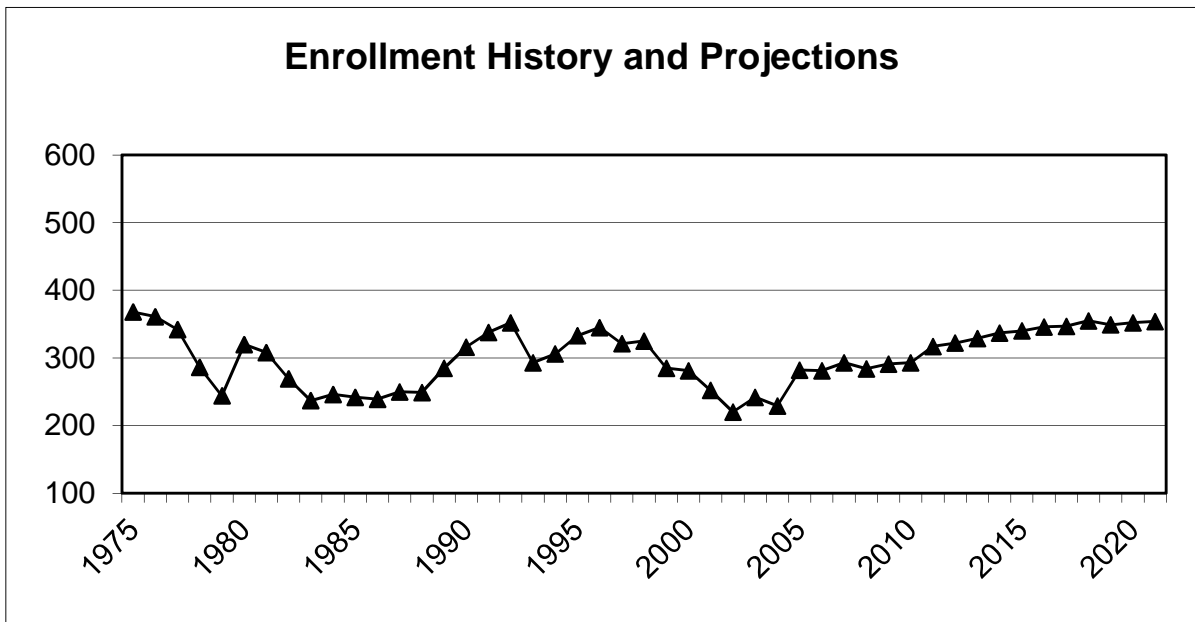
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	43	87.8%	6	12.2%	49
2010	55	94.8%	3	5.2%	58
2011	53	96.4%	2	3.6%	55
2012	48	100.0%	0	0.0%	48
2013	63	100.0%	0	0.0%	63
2014	57	100.0%	0	0.0%	57
2015	58	100.0%	0	0.0%	58
2016	58	93.5%	4	6.5%	62

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	17	2020-2021
2	35	2019-2020
3	35	2018-2019
4	41	2017-2018



Mason-Rice

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	81	67	-14	-17.3%	70	68	68	66	68
1	96	90	-6	-6.3%	72	76	73	73	72
2	91	99	8	8.8%	91	73	77	74	75
3	86	93	7	8.1%	99	92	74	77	74
4	66	90	24	36.4%	95	101	94	75	79
5	72	68	-4	-5.6%	89	94	101	93	75
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	492	507*	15	3.0%	516	504	487	458	443

*Includes 10 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	75	410		
2008	67	422	12	2.9%
2009	72	428	6	1.4%
2010	64	442	14	3.3%
2011	64	437	-5	-1.1%
2012	79	438	1	0.2%
2013	88	457	19	4.3%
2014	82	478	21	4.6%
2015	81	492	14	2.9%
2016	67	507	15	3.0%

Peak enrollment year: 2016, 507 students

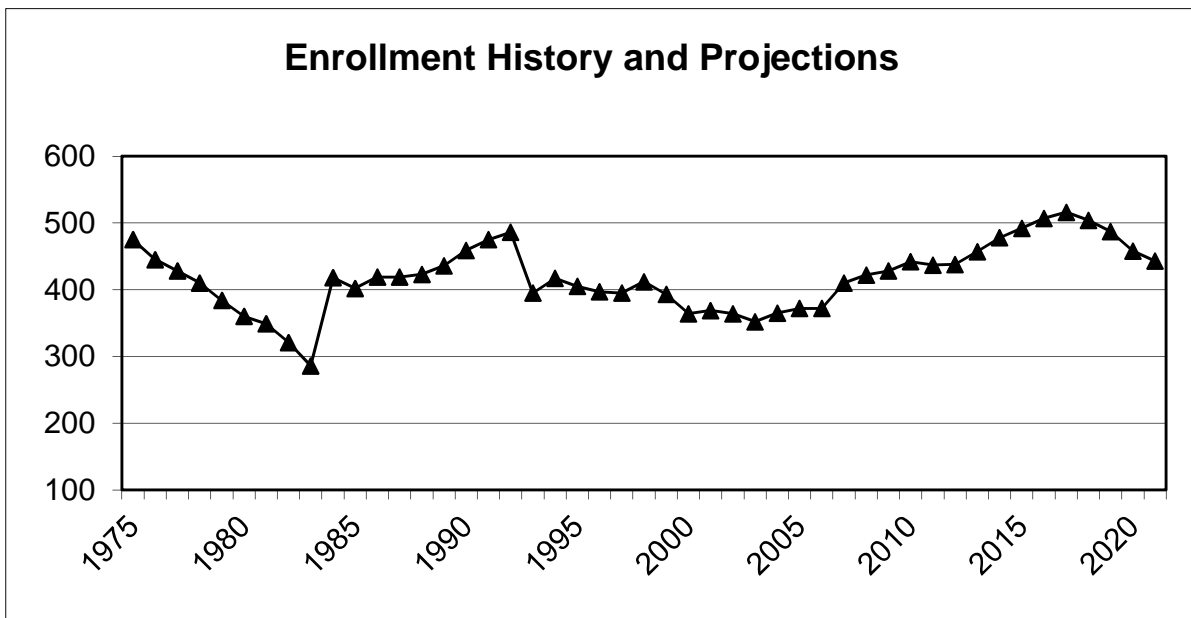
Mason-Rice

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	61	84.7%	11	15.3%	72
2010	62	96.9%	2	3.1%	64
2011	61	95.3%	3	4.7%	64
2012	69	87.3%	10	12.7%	79
2013	78	88.6%	10	11.4%	88
2014	73	89.0%	9	11.0%	82
2015	74	91.4%	7	8.6%	81
2016	63	94.0%	4	6.0%	67

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	23	2020-2021
2	21	2019-2020
3	29	2018-2019
4	32	2017-2018



Memorial-Spaulling

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	77	71	-6	-7.8%	74	77	74	76	77
1	81	84	3	3.7%	78	81	84	81	83
2	74	85	11	14.9%	86	80	81	85	83
3	68	74	6	8.8%	84	84	77	79	83
4	69	72	3	4.3%	77	86	87	79	82
5	83	68	-15	-18.1%	73	78	88	88	81
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	452	454*	2	0.4%	472	486	491	488	489

*Includes 12 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	58	449		
2008	62	442	-7	-1.6%
2009	62	438	-4	-0.9%
2010	74	459	21	4.8%
2011	66	458	-1	-0.2%
2012	69	464	6	1.3%
2013	67	429	-35	-7.5%
2014	79	434	5	1.2%
2015	77	452	18	4.1%
2016	71	454	2	0.4%

Peak enrollment year: 2012, 464 students

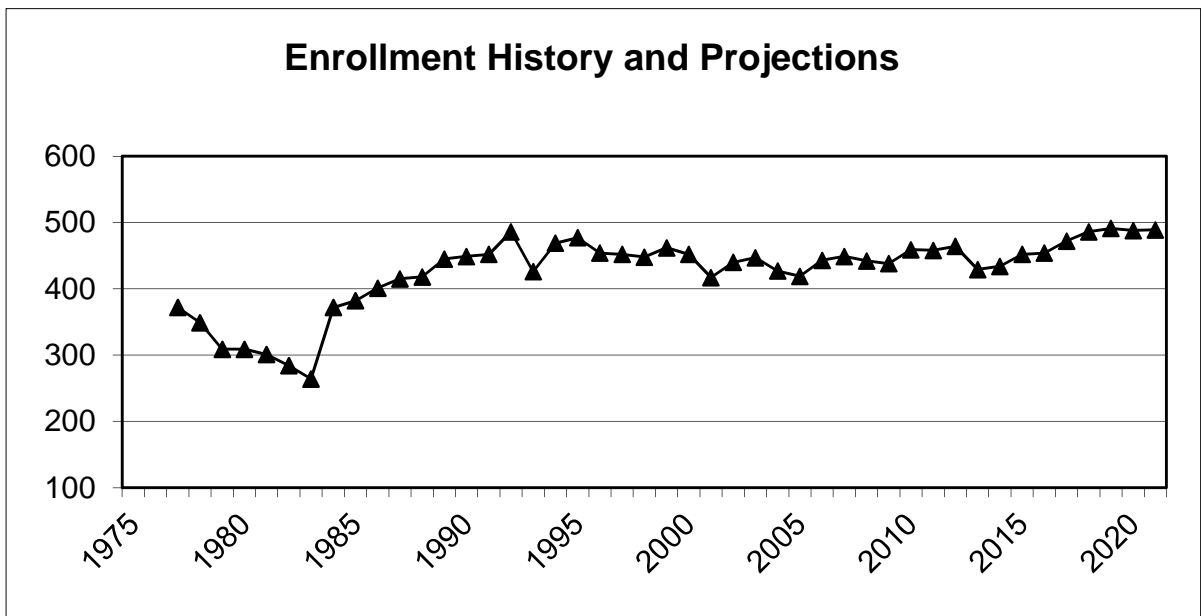
Memorial-Spaulling

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	58	93.5%	4	6.5%	62
2010	71	95.9%	3	4.1%	74
2011	62	93.9%	4	6.1%	66
2012	68	98.6%	1	1.4%	69
2013	65	97.0%	2	3.0%	67
2014	74	93.7%	5	6.3%	79
2015	74	96.1%	3	3.9%	77
2016	68	95.8%	3	4.2%	71

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	17	2020-2021
2	21	2019-2020
3	26	2018-2019
4	38	2017-2018



Peirce

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	41	38	-3	-7.3%	43	42	41	41	42
1	56	42	-14	-25.0%	41	46	44	44	45
2	44	60	16	36.4%	42	41	46	44	44
3	50	44	-6	-12.0%	63	44	43	49	47
4	68	53	-15	-22.1%	45	64	45	44	49
5	55	62	7	12.7%	51	43	62	43	42
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	314	299*	-15	-4.8%	285	280	281	265	269

*Includes 14 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	53	329		
2008	39	338	9	2.7%
2009	39	329	-9	-2.7%
2010	45	318	-11	-3.3%
2011	55	316	-2	-0.6%
2012	51	337	21	6.6%
2013	46	312	-25	-7.4%
2014	48	306	-6	-1.9%
2015	41	314	8	2.6%
2016	38	299	-15	-4.8%

Peak enrollment year: 2008, 338 students

Peirce

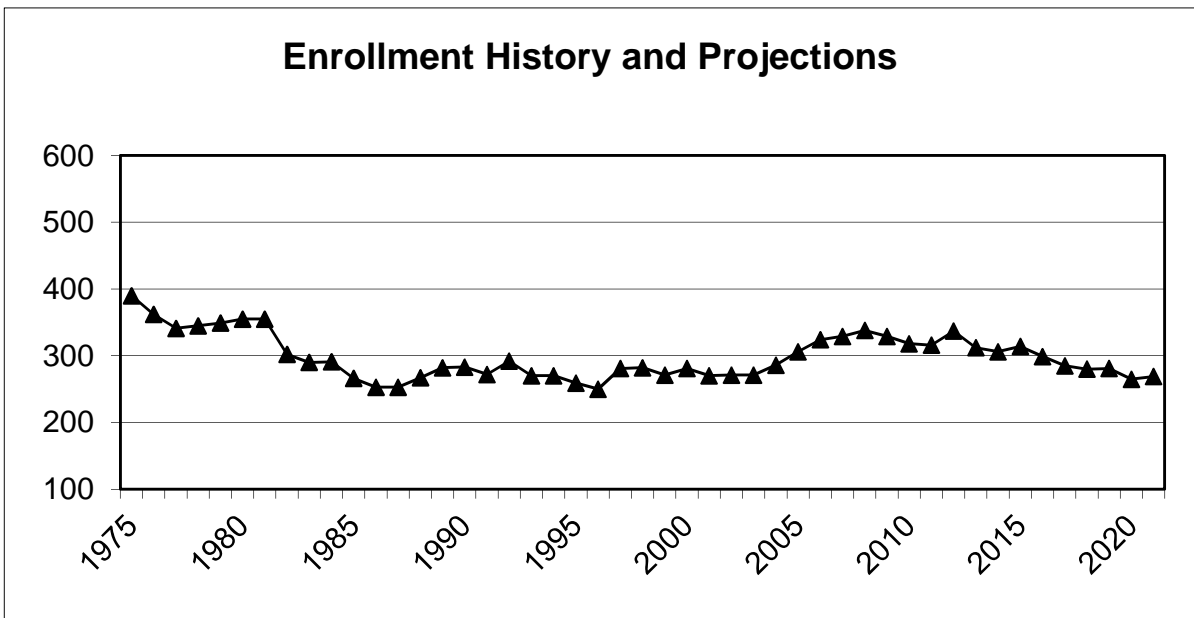
DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	32	82.1%	7	17.9%	39
2010	42	93.3%	3	6.7%	45
2011	45	81.8%	10	18.2%	55
2012	48	94.1%	3	5.9%	51
2013	42	91.3%	4	8.7%	46
2014	44	91.7%	4	8.3%	48
2015	41	100.0%	0	0.0%	41
2016	37	97.4%	1	2.6%	38

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

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	5	2020-2021
2	18	2019-2020
3	17	2018-2019
4	19	2017-2018



Underwood

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	41	47	6	14.6%	47	48	45	48	48
1	66	44	-22	-33.3%	50	50	52	47	52
2	51	65	14	27.5%	44	51	50	52	48
3	55	48	-7	-12.7%	69	47	54	54	55
4	55	55	0	0.0%	50	72	49	56	55
5	58	54	-4	-6.9%	56	51	73	50	57
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	326	313*	-13	-4.0%	316	319	323	307	315

*Includes 20 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	44	295		
2008	43	282	-13	-4.4%
2009	46	262	-20	-7.1%
2010	49	282	20	7.6%
2011	49	289	7	2.5%
2012	47	310	21	7.3%
2013	48	327	17	5.5%
2014	62	341	14	4.3%
2015	41	326	-15	-4.4%
2016	47	313	-13	-4.0%

Peak enrollment year: 2014, 341 students

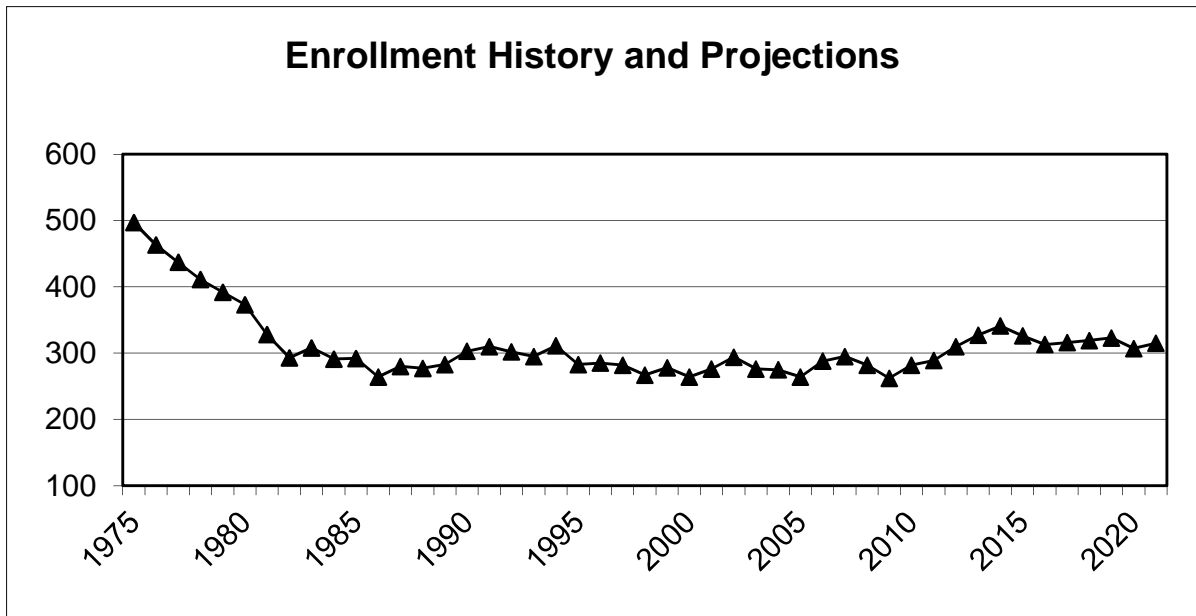
Underwood

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS*

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	39	84.8%	7	15.2%	46
2010	43	87.8%	6	12.2%	49
2011	46	93.9%	3	6.1%	49
2012	42	89.4%	5	10.6%	47
2013	47	97.9%	1	2.1%	48
2014	58	93.5%	4	6.5%	62
2015	40	97.6%	1	2.4%	41
2016	47	100.0%	0	0.0%	47

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	16	2020-2021
2	17	2019-2020
3	21	2018-2019
4	20	2017-2018



Ward

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	43	49	6	14.0%	43	43	44	44	45
1	49	45	-4	-8.2%	54	47	47	49	50
2	57	54	-3	-5.3%	46	56	49	48	50
3	57	56	-1	-1.8%	56	49	58	51	51
4	53	58	5	9.4%	56	56	49	58	51
5	45	51	6	13.3%	56	55	55	47	57
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	304	313*	9	3.0%	311	306	302	297	304

*Includes 14 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	47	247		
2008	42	260	13	5.3%
2009	34	260	0	0.0%
2010	42	269	9	3.5%
2011	46	278	9	3.3%
2012	47	301	23	8.3%
2013	43	289	-12	-4.0%
2014	46	304	15	5.2%
2015	43	304	0	0.0%
2016	49	313	9	3.0%

Peak enrollment year: 2016, 313 students

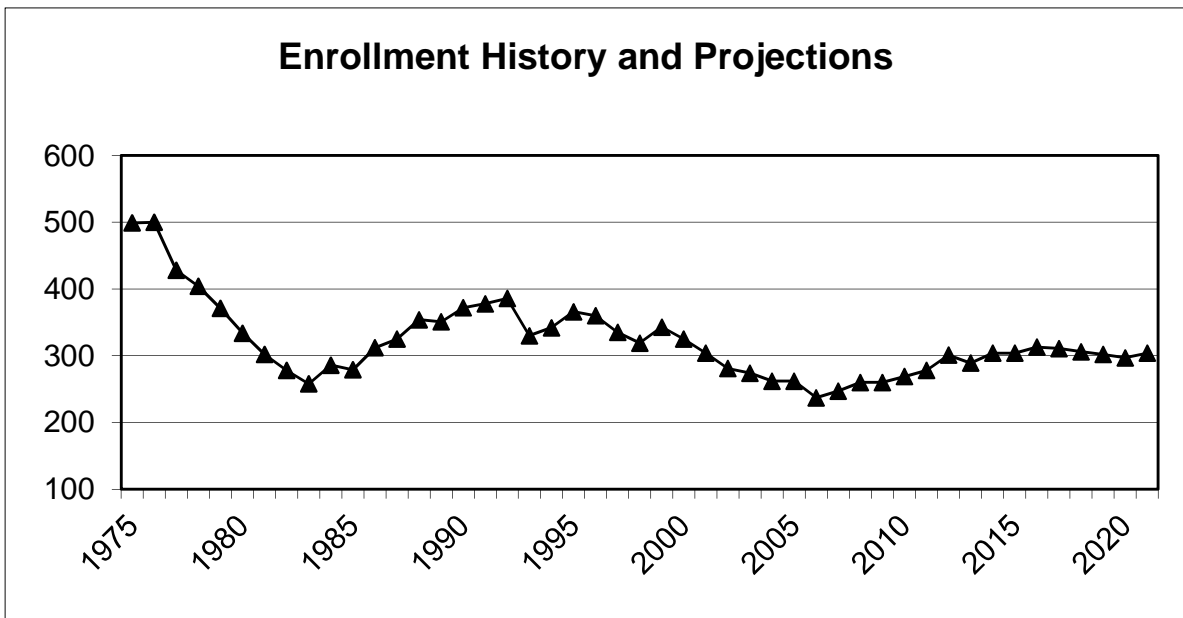
Ward

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	26	76.5%	8	23.5%	34
2010	42	100.0%	0	0.0%	42
2011	45	97.8%	1	2.2%	46
2012	46	97.9%	1	2.1%	47
2013	40	93.0%	3	7.0%	43
2014	43	93.5%	3	6.5%	46
2015	41	95.3%	2	4.7%	43
2016	46	93.9%	3	6.1%	49

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	10	2020-2021
2	17	2019-2020
3	27	2018-2019
4	31	2017-2018



Williams

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	62	44	-18	-29.0%	45	45	47	45	46
1	41	65	24	58.5%	45	46	46	50	48
2	43	44	1	2.3%	67	47	47	47	52
3	61	43	-18	-29.5%	44	68	47	48	48
4	45	58	13	28.9%	43	44	68	47	48
5	38	39	1	2.6%	55	40	42	64	45
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	290	293*	3	1.0%	299	290	297	301	287

*Includes 14 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	41	281		
2008	43	276	-5	-1.8%
2009	51	277	1	0.4%
2010	43	298	21	7.6%
2011	46	302	4	1.3%
2012	50	304	2	0.7%
2013	45	304	0	0.0%
2014	37	292	-12	-3.9%
2015	62	290	-2	-0.7%
2016	44	293	3	1.0%

Peak enrollment year: 2012, 304 students

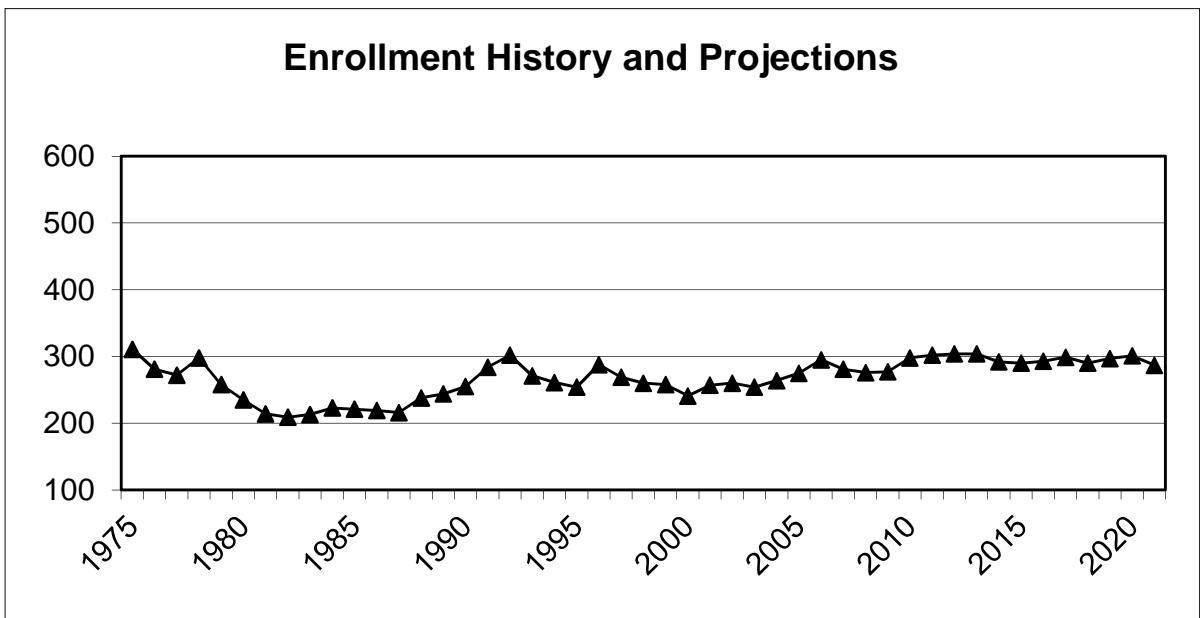
Williams

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	46	90.2%	5	9.8%	51
2010	41	95.3%	2	4.7%	43
2011	46	100.0%	0	0.0%	46
2012	49	98.0%	1	2.0%	50
2013	40	88.9%	5	11.1%	45
2014	34	91.9%	3	8.1%	37
2015	58	93.5%	4	6.5%	62
2016	43	97.7%	1	2.3%	44

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	12	2020-2021
2	15	2019-2020
3	22	2018-2019
4	21	2017-2018



Zervas

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios***				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
K	44	65	21	47.7%	74	78	78	81	79
1	53	56	3	5.7%	69	76	80	81	85
2	54	57	3	5.6%	57	70	77	81	82
3	54	57	3	5.6%	58	58	71	78	82
4	43	55	12	27.9%	56	57	57	70	77
5	60	47	-13	-21.7%	57	58	59	59	73
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	308	337*	29	9.4%	371	397	422	450	478

*Includes 16 METCO students.

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

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

Year	Enrollment		Change from Previous Year	% Change from Previous Year
	K	Total		
2007	52	324		
2008	46	328	4	1.2%
2009	45	326	-2	-0.6%
2010	62	349	23	7.1%
2011	40	321	-28	-8.0%
2012	60	325	4	1.2%
2013	53	317	-8	-2.5%
2014	53	309	-8	-2.5%
2015	44	308	-1	-0.3%
2016	65	337	29	9.4%

Peak enrollment year: 2010, 349 students

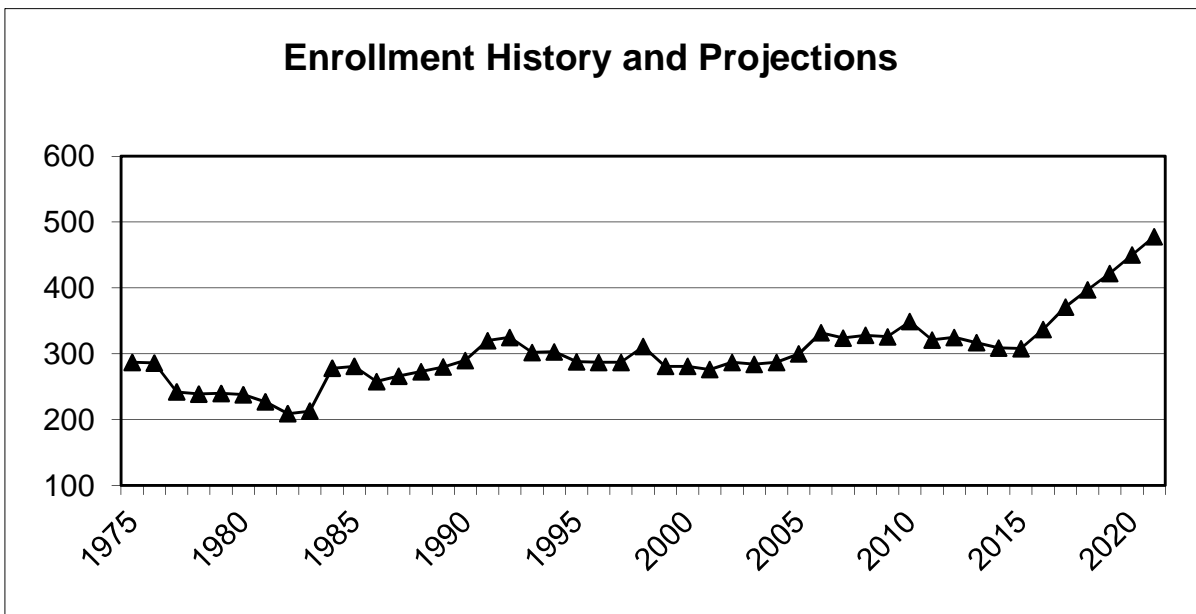
Zervas

DISTRIBUTION OF THE AGES OF INCOMING KINDERGARTEN STUDENTS

Year	Age 5		Age 6		Total
	#	%	#	%	
2009	41	91.1%	4	8.9%	45
2010	58	93.5%	4	6.5%	62
2011	39	97.5%	1	2.5%	40
2012	52	86.7%	8	13.3%	60
2013	52	98.1%	1	1.9%	53
2014	51	96.2%	2	3.8%	53
2015	43	97.7%	1	2.3%	44
2016	59	90.8%	6	9.2%	65

NUMBER OF CHILDREN YOUNGER THAN AGE FIVE (as of January 1, 2016 City Census)

Age	Number	Year Entering K
1	16	2020-2021
2	26	2019-2020
3	32	2018-2019
4	27	2017-2018



Bigelow Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
6	179	178	-1	-0.6%	171	176	185	198	164
7	161	184	23	14.3%	180	174	179	187	201
8	169	163	-6	-3.6%	185	181	174	179	188
Total	509	525	16	3.1%	536	531	538	564	553
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	509	525*	16	3.1%	536	531	538	564	553

*Includes 23 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

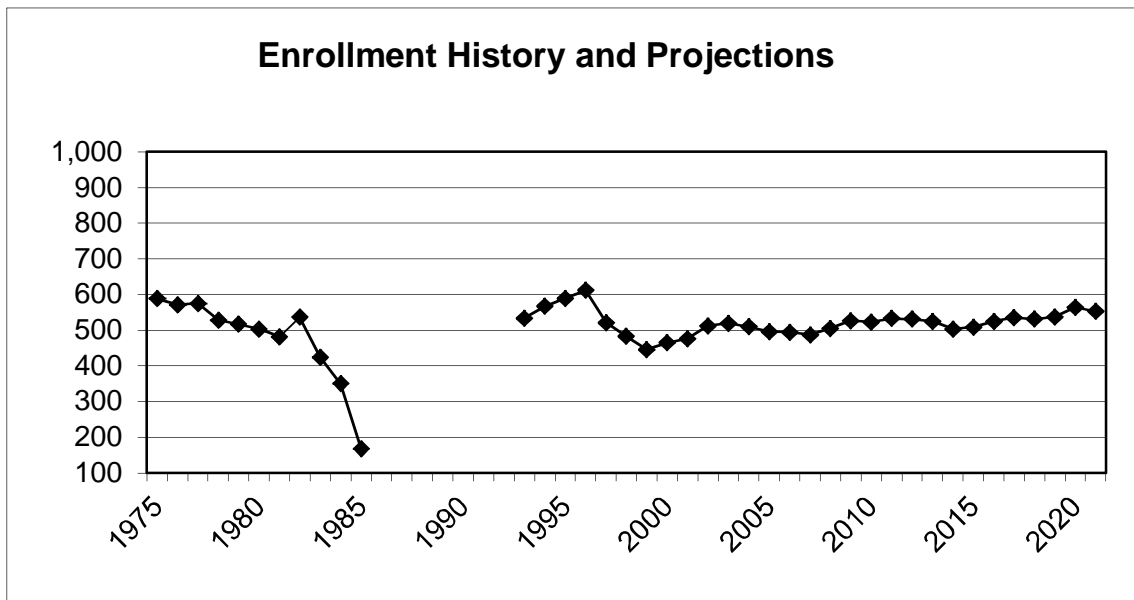
Year	Total Enrollment	Change from Previous Year	Percent Change
2007	487		
2008	505	18	3.7%
2009	527	22	4.4%
2010	523	-4	-0.8%
2011	533	10	1.9%
2012	531	-2	-0.4%
2013	525	-6	-1.1%
2014	504	-21	-4.0%
2015	509	5	1.0%
2016	525	16	3.1%

Peak enrollment year: 2011, 533 students

Bigelow Middle School

FIFTH GRADE STUDENTS FROM THE BIGELOW FEEDER SCHOOLS

Elementary School	2016-2017 5th Grade Enrollment
Cabot	0
Lincoln-Eliot	58
Underwood	54
Ward	51
Total	163



Brown Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
6	284	241	-43	-15.1%	219	263	249	285	283
7	254	281	27	10.6%	241	218	262	251	285
8	242	252	10	4.1%	284	243	221	266	254
Total	780	774	-6	-0.8%	744	724	732	802	822
Spec. Ed.**	0	0	0		0	0	0	0	0
TOTAL	780	774*	-6	-0.8%	744	724	732	802	822

*Includes 20 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

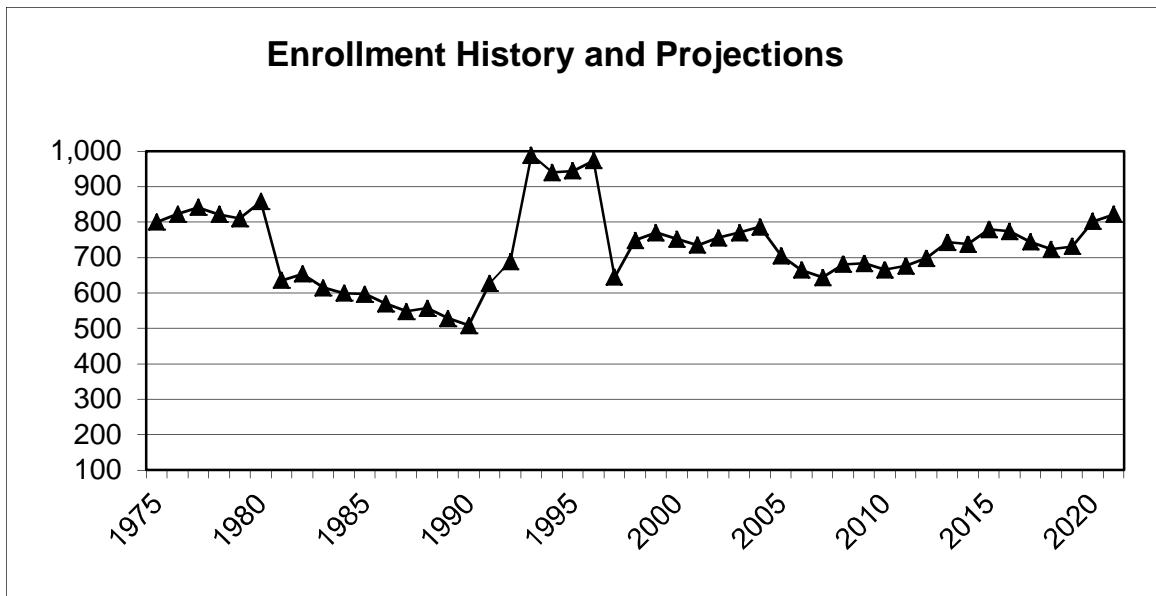
Year	Total Enrollment	Change from Previous Year	Percent Change
2007	644		
2008	681	37	5.7%
2009	684	3	0.4%
2010	666	-18	-2.6%
2011	677	11	1.7%
2012	698	21	3.1%
2013	743	45	6.4%
2014	738	-5	-0.7%
2015	780	42	5.7%
2016	774	-6	-0.8%

Peak enrollment year: 2015, 780 students

Brown Middle School

FIFTH GRADE STUDENTS FROM BROWN FEEDER SCHOOLS

Elementary School	2016-2017 5th Grade Enrollment
Angier	57
Countryside	76
Mason-Rice	68
Williams	39
Total	240



Day Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
6	308	309	1	0.3%	351	318	333	364	306
7	289	318	29	10.0%	313	355	322	337	367
8	330	295	-35	-10.6%	321	315	357	325	339
Total	927	922	-5	-0.5%	985	988	1012	1026	1012
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	927	922*	-5	-0.5%	985	988	1012	1026	1012

*Includes 31 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

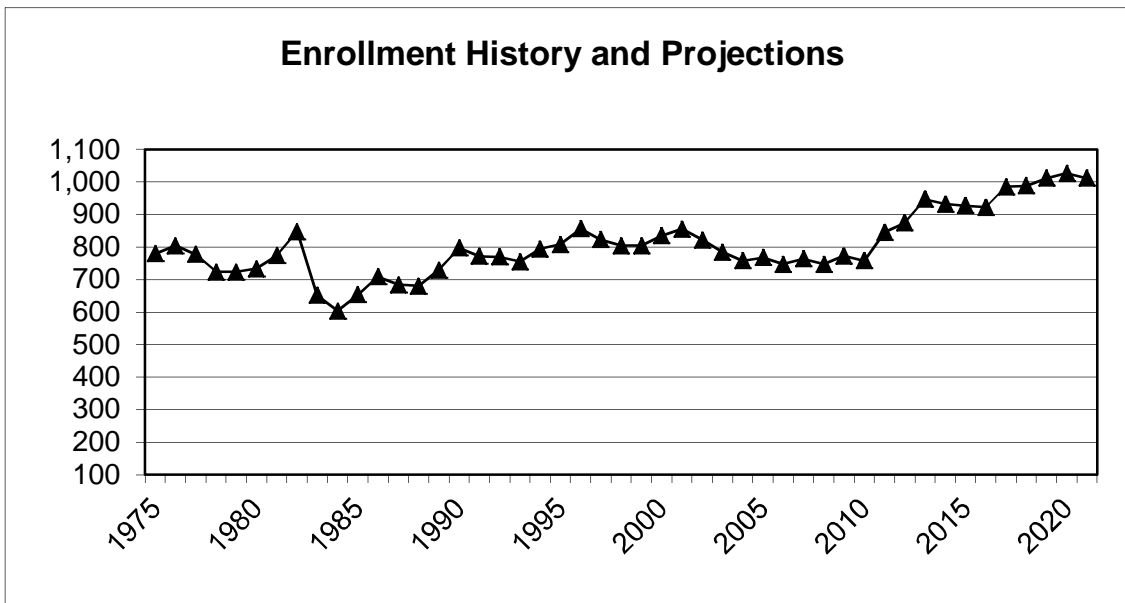
Year	Total Enrollment	Change from Previous Year	Percent Change
2007	764		
2008	747	-17	-2.2%
2009	773	26	3.5%
2010	758	-15	-1.9%
2011	845	87	11.5%
2012	874	29	3.4%
2013	947	73	8.4%
2014	932	-15	-1.6%
2015	927	-5	-0.5%
2016	922	-5	-0.5%

Peak enrollment year: 2013, 947 students

Day Middle School

FIFTH GRADE STUDENTS FROM THE DAY FEEDER SCHOOLS

Elementary School	2016-2017 5th Grade Enrollment
Burr	70
Cabot	71
Franklin	70
Horace Mann	86
Peirce	62
Total	359



Oak Hill Middle School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
6	192	233	41	21.4%	184	195	227	201	202
7	208	189	-19	-9.1%	234	184	196	226	200
8	202	217	15	7.4%	189	233	183	195	226
Total	602	639	37	6.1%	607	612	606	622	628
Spec. Ed.**	0	0	0	0.0%	0	0	0	0	0
TOTAL	602	639*	37	6.1%	607	612	606	622	628

*Includes 29 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

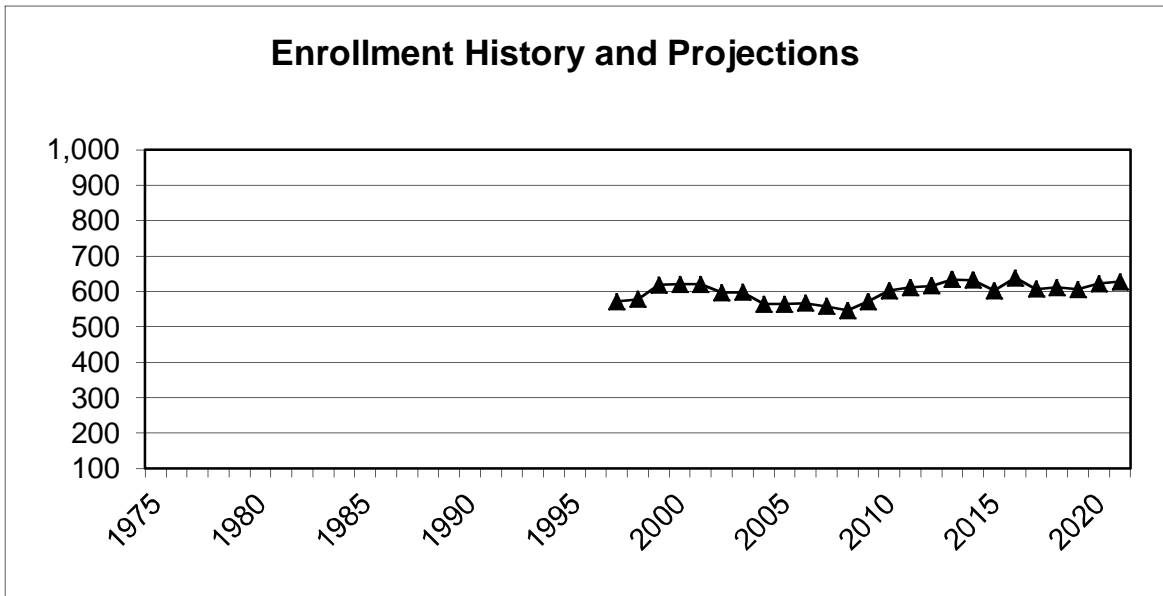
Year	Total Enrollment	Change from Previous Year	Percent Change
2007	558		
2008	547	-11	-2.0%
2009	572	25	4.6%
2010	603	31	5.4%
2011	612	9	1.5%
2012	616	4	0.7%
2013	634	18	2.9%
2014	632	-2	-0.3%
2015	602	-30	-4.7%
2016	639	37	6.1%

Peak enrollment year: 2016, 639 students

Oak Hill Middle School

FIFTH GRADE STUDENTS FROM THE OAK HILL FEEDER SCHOOLS

Elementary School	2016-2017 5th Grade Enrollment
Bowen	73
Memorial-Spaulding	68
Zervas	47
Total	188



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				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
9	507	511	4	0.8%	479	530	519	555	538
10	537	524	-13	-2.4%	519	486	537	526	563
11	484	552	68	14.0%	531	525	491	543	532
12	497	474	-23	-4.6%	550	529	523	490	541
TOTAL	2,025	2,061	36	2%	2,079	2,070	2,070	2,114	2,174
Post Grads	0	0	0	0	0	0	0	0	0
Spec. Ed.*	82	84	2	2%	84	84	84	84	84
TOTAL	2,107	2,145**	38	1.8%	2,163	2,154	2,154	2,198	2,258

**Includes 68 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

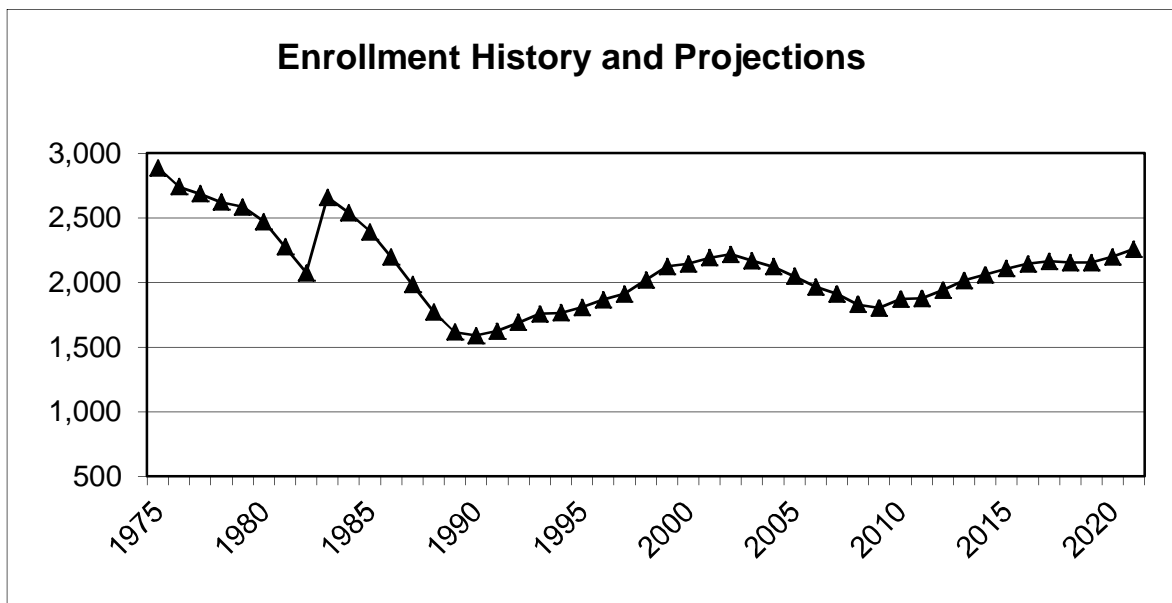
Year	Total Enrollment	Change from Previous Year	Percent Change
2007	1,911		
2008	1,829	-82	-4.3%
2009	1,802	-27	-1.5%
2010	1,871	69	3.8%
2011	1,877	6	0.3%
2012	1,940	63	3.4%
2013	2,015	75	3.9%
2014	2,060	45	2.2%
2015	2,107	47	2.3%
2016	2,145	38	1.8%

Peak enrollment year: 2016, 2145 students

North High School

EIGHTH GRADE STUDENTS FROM THE NORTH FEEDER SCHOOLS

Middle School	2016-2017 8th Grade Enrollment
Bigelow	163
Brown (10%)	8
Day	295
Total	466



South High School

ACTUAL AND PROJECTED ENROLLMENTS BY GRADE

Grade	October Enrollment		Difference		Projections Using 5-year Average Ratios				
	2015 FY16	2016 FY17	N	%	2017 FY18	2018 FY19	2019 FY20	2020 FY21	2021 FY22
9	438	481	43	9.8%	500	503	508	430	475
10	436	452	16	3.7%	483	502	504	509	431
11	453	455	2	0.4%	457	488	507	510	515
12	449	451	2	0.4%	455	457	488	507	509
TOTAL	1,776	1,839	63	4%	1,895	1,950	2,007	1,956	1,930
Post Grads	0	0	0	0	0	0	0	0	0
Spec. Ed.*	22	12	-10	-45%	12	12	12	12	12
TOTAL	1,798	1,851**	53	2.9%	1,907	1,962	2,019	1,968	1,942

**Includes 61 METCO students.

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

TEN YEARS OF TOTAL SCHOOL ENROLLMENTS

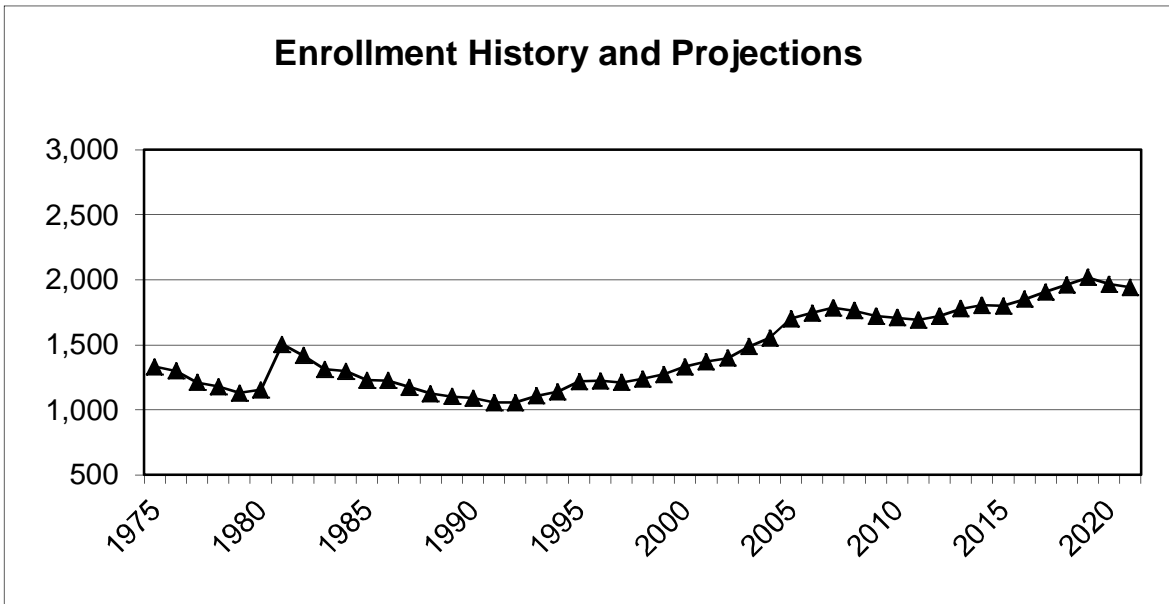
Year	Total Enrollment	Change from Previous Year	Percent Change
2007	1,784		
2008	1,763	-21	-1.2%
2009	1,722	-41	-2.3%
2010	1,708	-14	-0.8%
2011	1,691	-17	-1.0%
2012	1,721	30	1.8%
2013	1,778	57	3.3%
2014	1,804	26	1.5%
2015	1,798	-6	-0.3%
2016	1,851	53	2.9%

Peak enrollment year: 2016, 1851 students

South High School

EIGHTH GRADE STUDENTS FROM THE SOUTH FEEDER SCHOOLS

Middle School	2016-2017 8th Grade Enrollment
Brown (90%)	244
OakHill	217
Total	461



V. STUDENT EXITS AND ENTRANCES

STUDENT EXITS AND ENTRANCES

This section reports on student mobility in Newton Public Schools due to the movement of students not resulting from grade promotion. The student mobility statistics reported below illuminate the annual cycle of new student entrances and student exits in the district and how net migration can affect total enrollment. In addition, exit and entrance statistics further detail the extent and the type of student mobility changes that are experienced by schools during the course of a full academic year; thus student mobility statistics reported in this section cover the entire 2015-16 school year, in contrast to other statistics in this report, which are reported as of a moment in time (October 1st).

The table below displays three years of exit and entrance history. 2015-16 shows a positive net migration in contrast to the negative net migration in 2014-15. In 2015-16, new students comprised 6.5% of the total student population (not including new kindergarten enrollments in the fall), while student exits in the same year (not including graduates) made up 5.9% of the total population. In comparison to 2013-14, although the percentage of both entrances and exits in 2015-16 is smaller, the net migration is larger due to a smaller number of exits.

Annual Student Mobility	2013-14	2014-15	2015-16
Number of Student Exits	810	863	744
<i>Percentage of Enrollment</i>	6.5%	6.9%	5.9%
Number of Student Entrances	846	805	817
<i>Percentage of Enrollment</i>	6.8%	6.4%	6.5%
In Migration (Out Migration)	36	-58	73

There are a significant number of students who both enter and exit the Newton Public Schools in a single year. During the 2015-16 school year, 144 students, or 17.6% of the total entrances, both entered and left the Newton Public Schools. The following table displays both the entrance and exit reasons for these students. The majority of these 144 students enrolled from outside of the country (53%), while the remainder enrolled from outside of Massachusetts, from private school, or from another town in Massachusetts. The majority of these 144 students exited because they moved out of Newton (44%) or moved out of the country (36%), while the remaining students left to attend private school or for other reasons. As illustrated in the table, the largest group of entering and exiting students enrolled from outside the country and moved out of the country during 2015-16 (42 students, or 29% of the students who entered and exited).

Students who both entered and exited in 2015-16

Entered from	Exited to					Total
	Moved out of the Country	Moved out of Newton	Left to Attend Non-Public School	Left Due to Special Education Placement	Other Reasons**	
Enrolled from MA*	1	14	6		1	22
Enrolled from outside of MA	8	22		1	2	33
Enrolled from outside the Country	42	20	4		10	76
Enrolled from Private School	1	7	4		1	13
Total	52	63	14	1	14	144

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

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

Student Exit Statistics

In 2015-16, a total of 744 students, or 5.9% of the total population, left their schools during or after the close of the academic year, not including graduates. In 2015-16, at all grade levels, the greatest number of student exits resulted from students moving out of Newton. This is similar to the previous year where the greatest number of student exits also resulted from students moving out of Newton. Most students who moved out of Newton in 2015-16 left during the elementary years, which was also true in 2013-14 and 2014-15. Like the previous two years, the middle school grade level had the highest percentage of students leaving to attend private school of all grade levels. The following tables provide the total number of exiting students by school and grade level, and by reason for exit.

In these tables, the reasons for exit are displayed for exits during Summer 2016 to provide more specific information, as the majority of exits occur at or after the end of the school year. The number of exits during the 2015-16 school year, as well as all exits occurring in 2014-15 and 2015-16 (which includes the 2015-16 school year and Summer 2016 exits), are also included for comparison. Displaying the statistics in this way also allows for a comparison between the total exits in Summer 2016 to the total entrances as of October 1, 2016 for a current look at how student mobility is affecting growth at the beginning of the 2016-17 school year. There were 531 total exits in Summer 2016 and (as detailed in the next section) there are 754 student entrances as of October 1, 2016.

**SUMMARY ALL GRADES
2015 - 2016**

School	All 2014-15 Exits	Exits during the 2015-16 School Year	Moved out of the Country Summer 2016	Moved Out of Newton Summer 2016	Left to Attend Non-Public School Summer 2016	Left Due to Special Education Placement Summer 2016	Left for Other* Reasons Summer 2016	All 2015-16 Exits
All Grades	863	213	81	263	159	11	17	744
% Total Enrollment	6.9%	1.7%	0.6%	2.1%	1.3%	0.1%	0.1%	5.9%
% of All 2015-16 Exits		28.6%	10.9%	35.3%	21.4%	1.5%	2.3%	100.0%

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

**TABLE 20
EXITING ELEMENTARY SCHOOL STUDENTS
2015 - 2016**

School	All 2014-15 Exits	Exits during the 2015-16 School Year	Moved out of the Country Summer 2016	Moved Out of Newton Summer 2016	Left to Attend Non-Public School Summer 2016	Left Due to Special Education Placement Summer 2016	Left for Other* Reasons Summer 2016	All 2015-16 Exits
Angier	33	4	3	12	5		1	25
Bowen	45	12	7	12	7			38
Burr	31	6	2	12	2		1	23
Cabot	25	7	2	14			1	24
Countryside	40	8	5	17	1			31
Franklin	23	10		5	3	1		19
Horace Mann	31	5	3	10	3	1		22
Lincoln-Eliot	31	16	1	21	1			39
Mason-Rice	21	7	3	7	9			26
Memorial-Spaulding	39	6	3	16	7			32
Peirce	34	2	4	6	27		1	40
Underwood	29	23		3	2			28
Ward	20	2	3	14	6			25
Williams	32	14	9	8	3			34
Zervas	26	5	2	10	6			23
Total	460	127	47	167	82	2	4	429
% of Elementary Enrollment	7.9%	2.2%	0.8%	2.9%	1.4%	0.0%	0.1%	7.4%
% of All 2015-16 Exits		29.6%	11.0%	38.9%	19.1%	0.5%	0.9%	100.0%

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

**TABLE 21
EXITING MIDDLE SCHOOL STUDENTS
2015 - 2016**

School	All 2014-15 Exits	Exits during the 2015-16 School Year	Moved out of the Country Summer 2016	Moved Out of Newton Summer 2016	Left to Attend Non-Public School Summer 2016	Left Due to Special Education Placement Summer 2016	Left for Other* Reasons Summer 2016	All 2015-16 Exits
Bigelow	41	6	1	24	4	1		36
Brown	44	11	3	9	17	1	1	42
Day	65	9	2	18	15	3		47
Oak Hill	60	6	7	9	17	3		42
Total	210	32	13	60	53	8	1	167
% Middle School Enrollment	7.5%	1.1%	0.5%	2.1%	1.9%	0.3%	0.0%	5.9%
% of All 2015-16 Exits		19.2%	7.8%	35.9%	31.7%	4.8%	0.6%	100.0%

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

**TABLE 22
EXITING HIGH SCHOOL STUDENTS
2015 - 2016**

School	All 2014-15 Exits	Exits during the 2015-16 School Year	Moved out of the Country Summer 2016	Moved Out of Newton Summer 2016	Left to Attend Non-Public School Summer 2016	Left Due to Special Education Placement Summer 2016	Left for Other* Reasons Summer 2016	All 2015-16 Exits
North High	91	30	2	18	7	1	3	61
South High	102	24	19	18	17		9	87
Total	193	54	21	36	24	1	12	148
% High School Enrollment	5.0%	1.4%	0.5%	0.9%	0.6%	0.0%	0.3%	3.8%
% of All 2015-16 Exits		36.5%	14.2%	24.3%	16.2%	0.7%	8.1%	100.0%

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

A three year history of student exits is shown below. In 2015-16, the decrease in student exits is observed at all three grade levels, although the decrease in exits compared to the previous year is largest at the middle and high school grade levels.

TABLE 23
TOTAL STUDENT EXITS
Three Year History

School	2013-14	2014-15	# % Change	2015-16	# % Change
Angier	38	33	-5	25	-8
Bowen	51	45	-6	38	-7
Burr	22	31	9	23	-8
Cabot	30	25	-5	24	-1
Countryside	24	40	16	31	-9
Franklin	35	23	-12	19	-4
Horace Mann	14	31	17	22	-9
Lincoln-Eliot	20	31	11	39	8
Mason-Rice	30	21	-9	26	5
Memorial-Spaulling	33	39	6	32	-7
Peirce	38	34	-4	40	6
Underwood	34	29	-5	28	-1
Ward	26	20	-6	25	5
Williams	40	32	-8	34	2
Zervas	28	26	-2	23	-3
Total Elementary	463	460	-3	429	-31
% Elementary Enrollment	8.0%	7.9%	-0.6%	7.4%	-6.7%
Bigelow	26	41	15	36	-5
Brown	54	44	-10	42	-2
Day	62	65	3	47	-18
Oak Hill	53	60	7	42	-18
Total Middle School	195	210	15	167	-43
% Middle School Enrollment	6.8%	7.5%	7.7%	5.9%	-20.5%
North High	78	91	13	61	-30
South High	74	102	28	87	-15
Total High School	152	193	41	148	-45
% High School Enrollment	4.0%	5.0%	27.0%	3.8%	-23.3%
Grand Total	810	863	53	744	-119
% Total Enrollment	6.5%	6.9%	6.5%	5.9%	-13.8%

Table 24 provides a history of student exits to private schools at the elementary, middle and high school levels since 2009-10. It includes a break out of the number and percentage of exits in transition years after the completion of elementary school and middle school. In 2015-16, 46% of students who left elementary school to attend private school did so in grade 5, which is slightly higher than last year, but lower than 2012-13 and 2013-14. Of the students who left their middle school to attend private school, 41% transferred in grade 8, a decrease from the previous year.

TABLE 24
HISTORY OF EXITS TO NON-PUBLIC SCHOOLS

Level	Academic Year						
	09-10	10-11	11-12	12-13	13-14	14-15	15-16
All Elementary	81	113	79	98	67	85	84
% of Elementary Enrollment	1.6%	2.0%	1.4%	1.7%	2.5%	1.5%	1.5%
<i>Grade 5*</i>	35	50	34	49	36	34	39
<i>% of Elementary exits</i>	43.2%	44.2%	43.0%	50.0%	53.7%	40.0%	46.4%
All Middle School	59	69	36	50	45	67	54
% of Middle School Enrollment	2.3%	1.2%	1.0%	1.8%	1.2%	2.4%	1.9%
<i>Grade 8*</i>	21	41	20	26	20	35	22
<i>% of Middle School exits</i>	35.6%	59.4%	55.6%	52.0%	44.4%	52.2%	40.7%
All High School	27	29	19	29	39	45	34
% of High School Enrollment	0.8%	0.8%	0.1%	0.8%	0.3%	1.2%	0.9%
Grand Total	167	211	134	177	151	197	172
% of Total Enrollment	1.4%	1.4%	0.9%	1.5%	1.2%	1.6%	1.4%

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

Student Entrance Statistics

There were 817 students, or 6.5% of total enrollment, who entered Newton Public Schools in 2015-2016 who had not been students in the previous academic year, not including kindergarten entrances in the fall. This is an increase of 12 student enrollments from the prior year, when there were 805 student entrances, or 6.4% of total enrollment.

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. Students moving into Newton are most commonly coming from another Massachusetts community or are transferring in from a private school, the same pattern that was observed last year.

Entrances by reason for enrollment are displayed as of October 1, 2015 to provide more specific information about entrances, as the majority of student entrances occur between the end of school and October 1st. Total entrances as of 2014-15, 2015-16, and October 1, 2016 are included for comparison. Overall, the number of student entrances as of October 1, 2016 is 754 students, which is a decrease from the prior year when there were 805 student entrances (as of October 1, 2015).

SUMMARY ALL GRADES 2015-16 AND 2016-17 ENTRANCES AS OF OCTOBER 1, 2016

School	All 2014-15 Entrances	Oct 1 2015 Enrolled from MA*	Oct 1 2015 Enrolled from outside of MA	Oct 1 2015 Enrolled from outside the Country	Oct 1 2015 Enrolled from Private School	Additional Entrances through June 2016	All 2015-16 Entrances	Current Year as of October 1, 2016
All Grades	805	182	131	134	161	209	817	754
% of Total Enrollment	6.4%	1.5%	1.0%	1.1%	1.3%	1.7%	6.5%	6.0%
% of All 2015-16 Entrances		22.3%	16.0%	16.4%	19.7%	25.6%	100.0%	

* 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
2015-16 AND 2016-17 ENTRANCES AS OF OCTOBER 1, 2016

School	All 2014-15 Entrances	Oct 1 2015 Enrolled from MA*	Oct 1 2015 Enrolled from outside of MA	Oct 1 2015 Enrolled from outside the Country	Oct 1 2015 Enrolled from Private School	Additional Entrances through June 2016	All 2015-16 Entrances	Current Year as of October 1, 2016
Angier	16	5	9	5	4	3	26	17
Bowen	40	10	6	7	6	9	38	20
Burr	22	3	5	3	4	11	26	20
Cabot	20	13	7	1	3	6	30	33
Countryside	43	11	4	6	7	7	35	29
Franklin	24	6	3	4	3	3	19	14
Horace Mann	27	2	1	3	3	8	17	22
Lincoln-Eliot	30	13	5	4		15	37	32
Mason-Rice	28	6	6	4	8	9	33	26
Memorial-Spaulding	40	6	8	4	10	12	40	29
Peirce	14	10	2	3	7	3	25	22
Underwood	20	12	1	4	3	4	24	25
Ward	29	5	9	3	2	6	25	23
Williams	41	4	4	7	3	16	34	14
Zervas	15	7	4	4	2	15	32	34
Total	409	113	74	62	65	127	441	360
% of Elementary Enrollment	7.0%	2.0%	1.3%	1.1%	1.1%	2.2%	7.6%	6.2%
% of All 2015-16 Entrances		25.6%	16.8%	14.1%	14.7%	28.8%	100.0%	

* 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
2015-16 AND 2016-17 ENTRANCES AS OF OCTOBER 1, 2016

School	All 2014-15 Entrances	Oct 1 2015 Enrolled from MA*	Oct 1 2015 Enrolled from outside of MA	Oct 1 2015 Enrolled from outside the Country	Oct 1 2015 Enrolled from Private School	Additional Entrances through June 2016	All 2015-16 Entrances	Current Year as of October 1, 2016
Bigelow	54	10	6	6	3	9	34	40
Brown	37	8	7	8	6	5	34	37
Day	37	6	9	3	7	15	40	36
Oak Hill	42	9	8	9	5	12	43	42
Total	170	33	30	26	21	41	151	155
% of Middle School Enrollment	6.1%	1.2%	1.1%	0.9%	0.7%	1.5%	5.4%	5.4%
% of All 2015-16 Entrances		21.9%	19.9%	17.2%	13.9%	27.2%	100.0%	

* 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
2015-16 AND 2016-17 ENTRANCES AS OF OCTOBER 1, 2016

School	All 2014-15 Entrances	Oct 1 2015 Enrolled from MA*	Oct 1 2015 Enrolled from outside of MA	Oct 1 2015 Enrolled from outside the Country	Oct 1 2015 Enrolled from Private School	Additional Entrances through June 2016	All 2015-16 Entrances	Current Year as of October 1, 2016
North High	102	24	14	18	43	21	120	94
South High	124	12	13	28	32	20	105	145
Total	226	36	27	46	75	41	225	239
% of High School Enrollment	5.8%	0.9%	0.7%	1.2%	1.9%	1.0%	5.8%	6.0%
% of All 2015-16 Entrances		16.0%	12.0%	20.4%	33.3%	18.2%	100.0%	

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

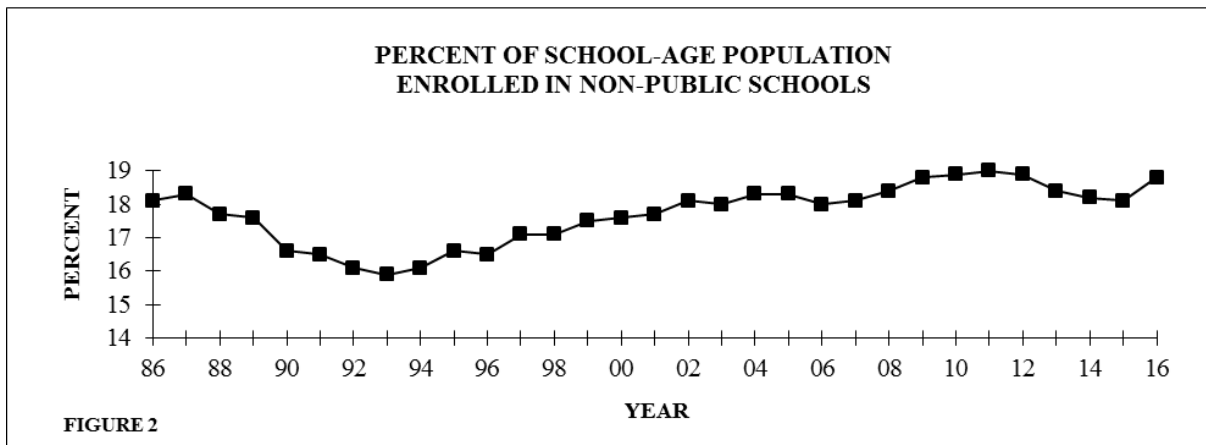
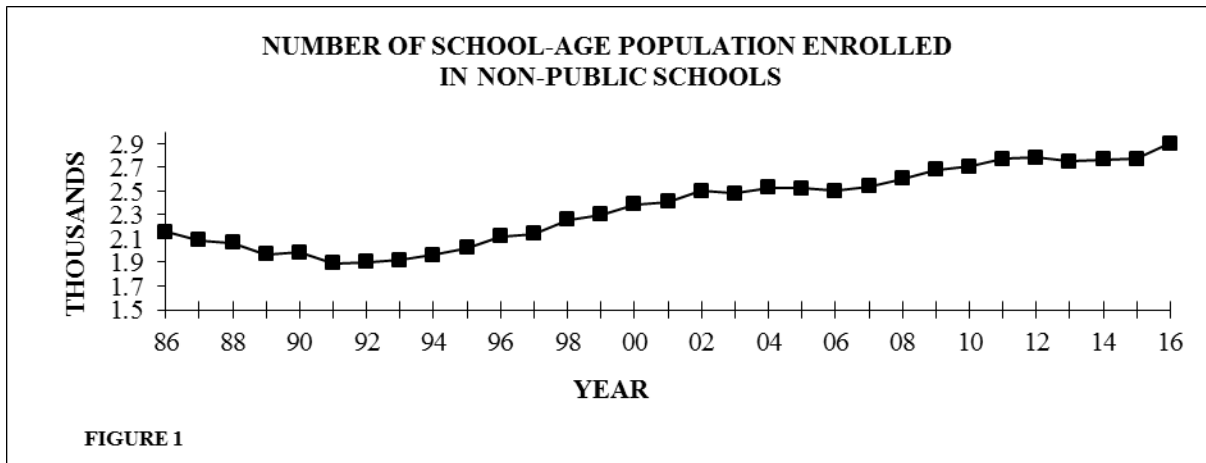
VI. NON-PUBLIC/PRIVATE SCHOOL STUDENTS

NON-PUBLIC/PRIVATE SCHOOL STUDENTS

This section reports on school-age children residing in Newton who are attending non-public or private schools. A census of non-public school students is conducted each year, as required by Massachusetts law and provides information on where Newton’s school-age population is attending school outside of Newton Public Schools, and includes private independent schools, private special education schools, other public schools, charter schools, or students who are home schooled. *Special education students placed out by Newton Public Schools are included in the census.* The data reported in this section is based on the 2016 non-public school student census.

Based on the 2016 census, 18.8% of the school-age population, or 2,903 students, were enrolled in non-public schools in 2015-16. This is an increase from the previous year, when 18.1% of the school-age population (2,765 students) was enrolled in non-public schools.

Figures 1 and 2 display a history of enrollment in non-public schools in Newton. These figures show that the number and percent of the school-age population in Newton enrolled in non-public schools has remained relatively stable over the prior three years, with an increase in 2015-16.



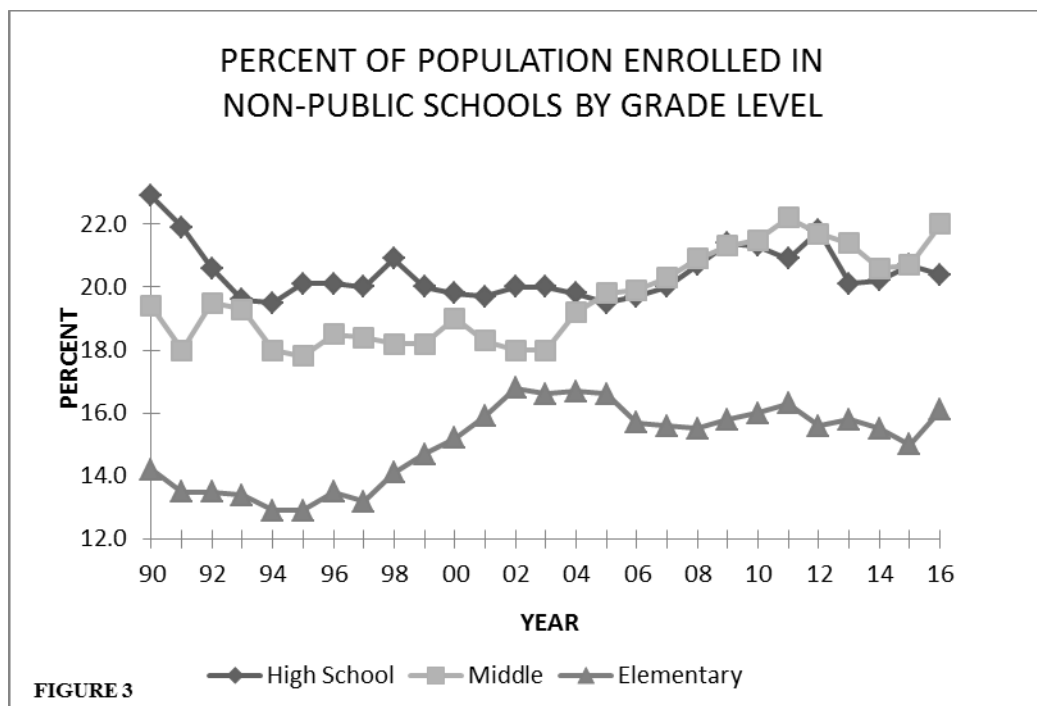
The chart below shows the breakdown of non-public school enrollment by type of school in 2015-16. The majority of the school-age population in Newton that is enrolled in non-public schools is enrolled in private schools in Massachusetts.

PERCENT OF NON-PUBLIC SCHOOL ENROLLMENT BY TYPE OF SCHOOL

Special Education Collaborative	Charter School	Other Public School	Home Schooled	In-State Private School	Out-of-State Private School
<1%	<1%	<1%	2%	95%	1%

The remainder of this section examines non-public schools enrollment at the three grade levels and by districted Newton school.

The percentage of the school-age population attending non-public schools at the elementary, middle, and high school grade levels over time is illustrated in Figure 3 below. There is a consistent history of higher rates of enrollment in non-public schools at the secondary grade levels (grades 6-12), where approximately 21% of the school-age population is enrolled in non-public schools in 2015-16. At the middle school level, the percentage of students enrolled in non-public schools has increased, from 20.7% in 2014-15 to 22.0%. At the high school level, the percentage of students enrolled in non-public schools has decreased slightly from 20.7% in 2014-15 to 20.4% in 2015-16. Elementary students continue to be enrolled in non-public schools at a rate between 15% and 16% as they have since 2006, although the rate has increased slightly this year.



Three additional tables are included in this section. Table 28 displays non-public school enrollment by grade and Table 29 presents this information further delineated by districted school. Table 30 displays the distribution of Newton Public Schools students who are placed out-of-district due to the special education needs of the students by grade level and districted school. Highlights of these tables are described below:

- The number of students enrolled in non-public schools increased at the elementary and middle school levels at similar rates, and decreased slightly at the high school level. The overall increase at the elementary level is due to increases in kindergarten and grade 3, while the increase at the middle school level is due to increases in grade 8.
- Grade 6 and grade 9, both transition years in Newton, show increases in the number of students enrolled at non-public schools from the prior year, +4 and +31 students, respectively. In 2014-15, these grades showed enrollment decreases of -6 and -3 students, respectively.
- Enrollment of students with special education placements attending private schools, special education collaborative programs, or other public schools has increased slightly from 2014-15, from 131 to 134 students, a 2% increase.

TABLE 28
NON-PUBLIC SCHOOL STUDENTS AS PERCENT OF
TOTAL SCHOOL-AGE POPULATION
BY GRADE

Grade	2014-15		2015-16		Change from Prior Year (N, %)	
	N	% of School-Age Population	N	% of School-Age Population		
K	127	11.9%	188	17.7%	61	48.0%
1	156	13.5%	173	14.7%	17	10.9%
2	192	16.4%	176	15.1%	-16	-8.3%
3	158	14.3%	204	17.3%	46	29.1%
4	182	15.7%	179	15.9%	-3	-1.6%
5	211	17.6%	188	16.0%	-23	-10.9%
Total	1,026	15.0%	1,108	16.1%	82	8.0%
6	240	20.7%	244	20.2%	4	1.7%
7	253	20.8%	261	22.3%	8	3.2%
8	239	20.6%	288	23.4%	49	20.5%
Total	732	20.7%	793	22.0%	61	8.3%
9	232	19.0%	263	21.3%	31	13.4%
10	246	20.4%	253	20.4%	7	2.8%
11	215	18.0%	242	20.3%	27	12.6%
12	314	25.1%	244	19.7%	-70	-22.3%
Total	1,007	20.7%	1,002	20.4%	-5	-0.5%
Grand Total	2,765	18.1%	2,903	18.8%	138	5.0%

Note: Students that are special education and beyond grade 12 are reported as grade 12.

TABLE 29
NON-PUBLIC SCHOOL STUDENTS
AS PERCENT OF TOTAL SCHOOL-AGE POPULATION
BY DISTRICTED SCHOOL AND GRADE LEVEL

Elementary District	2014-15		2015-16 by Grade						2015-16		
	N	% of School Age Population	K	1	2	3	4	5	N	% of School Age Population	
Angier	74	15.5%	11	15	16	15	11	18	86	17.4%	
Bowen	79	14.3%	23	11	10	18	19	11	92	17.0%	
Burr	14	3.2%	5	1	8	2	2	1	19	4.4%	
Cabot	82	16.4%	14	11	17	15	11	13	81	16.7%	
Countryside	79	14.5%	10	17	13	10	10	8	68	13.1%	
Franklin	33	7.4%	10	3	5	10	7	6	41	8.8%	
Horace Mann	41	8.6%	14	5	8	7	5	11	50	10.8%	
Lincoln-Eliot	27	7.4%	8	6	5	7	11	2	39	10.3%	
Mason-Rice	113	19.1%	16	12	13	18	19	23	101	17.0%	
Memorial-Spaulding	130	23.0%	20	26	20	29	20	32	147	24.5%	
Peirce	95	23.7%	14	13	15	19	20	16	97	23.6%	
Underwood	63	15.6%	8	11	6	13	8	11	57	14.9%	
Ward	110	26.6%	20	18	21	23	16	24	122	28.6%	
Williams	20	6.4%	6	4	4	3	6	1	24	7.6%	
Zervas	66	17.6%	9	20	15	15	14	11	84	21.4%	
Total Elementary	1,026	15.0%	188	173	176	204	179	188	1,108	16.1%	
					6	7	8				
Bigelow Middle	122	19.5%				47	46	46	139	21.5%	
Brown Middle	211	22.2%				67	80	84	231	22.8%	
Day Middle	214	18.7%				74	67	75	216	18.9%	
Oak Hill Middle	185	22.6%				56	68	83	207	25.6%	
Total Middle School	732	20.7%				244	261	288	793	22.0%	
					9	10	11	12			
Newton North	443	17.7%				131	111	106	112	460	17.9%
Newton South	564	23.8%				132	142	136	132	542	23.2%
Total High School	1007	20.7%				263	253	242	244	1002	20.4%
GRAND TOTAL	2,765	18.1%							2,903	18.8%	

Notes

- 1) Students that are special education and beyond grade 12 are reported as grade 12.
- 2) Students residing in buffer zones are assigned a districted school according to the attendance percentages of currently enrolled buffer zone resident students.

TABLE 30

SPECIAL EDUCATION STUDENTS
TUITIONED-OUT TO NON-PUBLIC SCHOOLS
BY DISTRICTED SCHOOL AND GRADE LEVEL

Elementary	Total As of 2014-15	2015-16 Grade							Total As of 2015-16
		PK	K	1	2	3	4	5	
Angier	0								0
Bowen	0								0
Burr	0								0
Cabot	0								0
Countryside	3							1	1
Franklin	2	1	1		1				3
Horace Mann	4		1			1		2	4
Lincoln-Eliot	1			1	1				2
Mason-Rice	1		1					1	2
Memorial-Spaulding	3					1	1		2
Peirce	1								0
Underwood	0								0
Ward	1								0
Williams	0								0
Zervas	0								0
Total Elementary	16	1	3	1	2	2	1	4	14
						6	7	8	
Bigelow Middle	5					1		1	2
Brown Middle	7					1	2	7	10
Day Middle	16					1	3	8	12
Oak Hill Middle	10					2	2	6	10
Total Middle School	38					5	7	22	34
					9	10	11	12	
Newton North	37				12	6	11	17	46
Newton South	40				5	9	2	24	40
Total High School	77				17	15	13	41	86
Grand Total	131								134

Note: Students that are special education and beyond grade 12 are reported as grade 12.

APPENDICES

A. STUDENT POPULATION DETAIL

B. CITY OF NEWTON POPULATION

C. RESIDENTIAL PROPERTY DATA

**D. NESDEC'S ENROLLMENT PROJECTIONS VS.
NEWTON'S**

E. SCHOOL DISTRICTS AND BUFFER ZONES

F. RESIDENTIAL DEVELOPMENT

**APPENDIX A
STUDENT POPULATION DETAIL**

Demographic Information (Table 1)

Tables 1A – 1D provide demographic information for enrollments by school and by grade. Table 1A displays the percentage of FY17 enrollment by race/ethnicity for each school and the district. Table 1B displays the percentage of FY17 enrollment by race/ethnicity for each grade level.

**TABLE 1A
ENROLLMENTS BY RACE/ETHNICITY BY SCHOOL
FY17**

School	Total Enrollment FY17	Percentage of enrollment						
		African American/ Black	Asian	Hispanic or Latino	American Indian or Alaska Native	White	Native Hawaiian, Pacific Islander	Multi-Race, Non-Hispanic
Angier	421	3%	15%	5%	0%	70%	0%	6%
Bowen	417	7%	29%	5%	0.2%	54%	0%	6%
Burr	402	3%	20%	11%	0.2%	59%	0%	5%
Cabot	400	4%	13%	6%	0.0%	71%	0%	7%
Countryside	436	4%	23%	8%	0.2%	58%	0%	8%
Franklin	446	3%	13%	9%	0.2%	71%	0%	4%
Horace Mann	417	4%	18%	8%	0%	62%	0%	8%
Lincoln-Eliot	346	8%	17%	14%	0%	55%	0%	5%
Mason-Rice	507	1%	13%	4%	0%	75%	0%	7%
Memorial-Spaulding	454	3%	26%	7%	0%	59%	0%	6%
Peirce	299	4%	19%	9%	0%	61%	0.7%	6%
Underwood	313	4%	18%	12%	0%	64%	0%	3%
Ward	313	4%	15%	3%	0%	71%	0%	7%
Williams	293	3%	26%	10%	0.3%	57%	0%	4%
Zervas	337	5%	18%	5%	0.3%	64%	0.3%	7%
TOTAL ELEMENTARY	5,801	4%	19%	7%	0.1%	64%	0.1%	6%
Bigelow	525	6%	15%	10%	1%	62%	0.2%	6%
Brown	774	4%	21%	6%	0.1%	63%	0%	6%
Day	922	7%	14%	8%	0.2%	65%	0%	7%
Oak Hill	639	5%	22%	6%	0.2%	59%	0%	8%
TOTAL MIDDLE	2,860	5%	18%	7%	0.3%	62%	0%	7%
Newton North	2,145	5%	14%	9%	0.2%	66%	0.1%	5%
Newton South	1,851	6%	20%	6%	0.1%	64%	0%	4%
TOTAL HIGH SCHOOL	3,996	5%	17%	8%	0.1%	65%	0.1%	4%
GRAND TOTAL	12,657	5%	18%	8%	0.2%	64%	0%	6%

**TABLE 1B
ENROLLMENTS BY RACE/ETHNICITY BY GRADE
FY17**

Grade	Total Enrollment FY17	Percentage of enrollment							
		African American/ Black	Asian	Hispanic or Latino	American Indian or Alaska Native	White	Native Hawaiian, Pacific Islander	Multi-Race, Non-Hispanic	
K	885	2%	18%	7%	0%	63%	0.2%	9%	
1	943	4%	20%	8%	0%	62%	0%	6%	
2	1,042	5%	17%	7%	0.2%	64%	0%	6%	
3	1,005	5%	20%	6%	0.2%	63%	0%	5%	
4	976	4%	18%	8%	0.1%	65%	0%	6%	
5	950	3%	19%	8%	0.1%	64%	0.1%	5%	
TOTAL ELEMENTARY	5,801	4%	19%	7%	0.1%	64%	0.1%	6%	
6	961	4%	17%	7%	0.2%	63%	0%	8%	
7	972	6%	19%	8%	0.2%	60%	0%	7%	
8	927	6%	17%	7%	0.4%	63%	0.1%	6%	
TOTAL MIDDLE	2,860	5%	18%	7%	0.3%	62%	0%	7%	
9	1,007	7%	16%	7%	0.1%	65%	0%	5%	
10	1,000	5%	17%	7%	0.4%	67%	0%	4%	
11	1,022	5%	18%	8%	0%	66%	0.2%	4%	
12	967	5%	16%	9%	0%	64%	0%	5%	
TOTAL HIGH	3,996	5%	17%	8%	0.1%	65%	0.1%	4%	
GRAND TOTAL	12,657	5%	18%	8%	0.2%	64%	0%	6%	

Note: Students in grade SP are included with grade 12 in this table.

Tables 1C and 1D display the percentage of students who are low income (measured by students qualifying for free or reduced price lunch) and the percentage of students who are economically disadvantaged for FY16 and FY17. The economically disadvantaged indicator is a newly tracked indicator (introduced by the state in 2015) to replace the low income indicator, due to the introduction of the Community Eligibility Provision that no longer requires eligibility determination. The economically disadvantaged indicator includes students who participate in one or more of the following state-administered programs: SNAP (Supplemental Nutrition Assistance Program), TAFDC (Transitional Aid to Families with Dependent Children), DCF (Department of Children and Families' foster care program), and Medicaid (MassHealth). Both indicators are available in Newton. For FY17, the percentages of economically disadvantaged by school and grade are estimated based on the most recent free and reduced lunch data.

TABLE 1C
ENROLLMENTS BY LOW INCOME AND ECONOMICALLY DISADVANTAGED
BY SCHOOL
FY17

School	Total Enrollment FY17	Percentage of enrollment					
		Low Income FY16	Low Income FY17	% Point Change	Eco. Disadv. FY16	Eco. Disadv. FY17*	% Point Change
Angier	421	8%	7%	-1%	5%	3%	-2%
Bowen	417	11%	13%	2%	8%	8%	0%
Burr	402	9%	10%	1%	7%	6%	-1%
Cabot	400	9%	12%	3%	7%	5%	-2%
Countryside	436	14%	13%	-1%	9%	8%	-1%
Franklin	446	11%	13%	2%	8%	8%	0%
Horace Mann	417	14%	15%	1%	9%	10%	1%
Lincoln-Eliot	346	28%	28%	0%	18%	14%	-4%
Mason-Rice	507	5%	5%	0%	3%	3%	0%
Memorial-Spaulding	454	10%	10%	0%	9%	6%	-3%
Peirce	299	9%	11%	2%	4%	6%	2%
Underwood	313	14%	16%	2%	11%	11%	0%
Ward	313	7%	6%	-1%	4%	4%	0%
Williams	293	9%	8%	-1%	7%	4%	-3%
Zervas	337	13%	13%	0%	10%	9%	-1%
TOTAL ELEMENTARY	5,801	11%	12%	1%	8%	7%	-1%
Bigelow	525	19%	20%	1%	10%	9%	-1%
Brown	774	10%	10%	0%	6%	5%	-1%
Day	922	12%	15%	3%	7%	8%	1%
Oak Hill	639	13%	14%	1%	8%	8%	0%
TOTAL MIDDLE	2,860	13%	14%	1%	8%	7%	-1%
Newton North	2,145	17%	18%	1%	10%	10%	0%
Newton South	1,851	13%	14%	1%	8%	8%	0%
TOTAL HIGH SCHOOL	3,996	15%	16%	1%	9%	9%	0%
GRAND TOTAL	12,657	13%	14%	1%	8%	8%	0%

*Economically Disadvantaged percentages for FY17 are estimates based on FY17 free and reduced price lunch data.

TABLE 1D
ENROLLMENTS BY LOW INCOME AND ECONOMICALLY DISADVANTAGED
BY GRADE
FY17

Grade	Total Enrollment FY17	Percentage of enrollment					
		Low Income FY16	Low Income FY17	% Point Change	Eco. Disadv. FY16	Eco. Disadv. FY17*	% Point Change
K	885	10%	7%	-3%	8%	5%	-3%
1	943	10%	12%	2%	7%	7%	0%
2	1042	13%	11%	-2%	9%	7%	-2%
3	1005	11%	14%	3%	8%	8%	0%
4	976	12%	13%	1%	8%	7%	-1%
5	950	12%	14%	2%	7%	7%	0%
TOTAL ELEMENTARY	5,801	11%	12%	1%	8%	7%	-1%
6	961	14%	14%	0%	7%	7%	0%
7	972	13%	15%	2%	8%	7%	-1%
8	927	12%	14%	2%	7%	8%	1%
TOTAL MIDDLE	2,860	13%	14%	1%	8%	7%	-1%
9	1007	14%	14%	0%	9%	8%	-1%
10	1000	14%	16%	2%	8%	10%	2%
11	1022	18%	15%	-3%	10%	7%	-3%
12	967	15%	20%	5%	9%	11%	2%
TOTAL HIGH	3,996	15%	16%	1%	9%	9%	0%
GRAND TOTAL	12,657	13%	14%	1%	8%	8%	0%

Note: Students in grade SP are included with grade 12 in this table.

*Economically Disadvantaged percentages for FY17 are estimates based on FY17 free and reduced price lunch data.

Preschool Enrollment (Table 2)

Table 2 displays preschool enrollment in Newton for 2016-16 and 2015-16. Preschool enrollment as of October 1, 2016 is 195 students, an increase of 6 students from the prior year. The majority of current preschool students (68%) are receiving special education services. Table 2A displays the nature of disability for current preschool students.

**TABLE 2
PRESCHOOL STUDENTS
OCTOBER 1, 2015 AND OCTOBER 1, 2016**

Category	2015-16	2016-17	Difference	% Change
Role Model Students	85	62	-23	-27.1%
Students Receiving Services	104	133	29	27.9%
TOTAL	189	195	6	3.2%

**TABLE 2A
PRESCHOOL STUDENTS
OCTOBER 1, 2016**

Type of Need	Number of Students
Developmental Delay (ages 3 to 9 only)	63
Typically Developing/Role Model	62
Communication	35
Autism	20
Neurological	6
Health	5
Sensory/Hard of Hearing or Deaf	3
Emotional	1
TOTAL	195

METCO Enrollment (Table 3)

The number of students participating in the METCO Program in the Newton Schools as of October 1, 2016 is 428. Of the 428 students, 46% are enrolled in the elementary schools, 24% are at the middle schools, and 30% are at the high schools.

**TABLE 3
2016-17 METCO ENROLLMENT
BY SCHOOL AND GRADE**

School	Grade						Special Education*	Total	
	K	1	2	3	4	5			
Angier		2	2	3	4			11	
Bowen	3	2		5	4	4		18	
Burr		2		3				5	
Cabot	1		5	4	3	1		14	
Countryside		6	4					10	
Franklin	1	2	2	4	2	1		12	
Horace Mann	1	4	2	2		1		10	
Lincoln-Eliot		2	5	1	4	4		16	
Mason-Rice		1	6		2	1		10	
Memorial-Spaulding	1	4		4	2	1		12	
Peirce	2	4	4	1	1	2		14	
Underwood	1	2	4	5	5	3		20	
Ward	2	2	3	4	2	1		14	
Williams	2	3	2		7			14	
Zervas	1	1	3	6	2	3		16	
Total Elementary	15	37	42	42	38	22	0	196	
Grade level as % of all METCO students								45.8%	
				6	7	8			
Bigelow				6	5	12		23	
Brown				5	9	6		20	
Day				8	13	10		31	
Oak Hill				8	8	13		29	
Total Middle				27	35	41	0	103	
Grade level as % of all METCO students								24.1%	
				9	10	11	12		
North High				22	14	12	19	1	68
South High				24	12	11	14		61
Total High School				46	26	23	33	1	129
Grade level as % of all METCO students								30.1%	
Grand Total								428	

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

English Language Learners (Tables 4 and 5)

Table 4 indicates an increase of 32 students, or +3.9%, in the number of K-12 students identified as "English Language Learners" and enrolled in the state-mandated Sheltered English Immersion Program from last year. There are a total of 859 students in the program this year versus 827 students one year ago. The English Language Learners population has grown by 543 students, or 172%, since 1990.

**TABLE 4
ENGLISH LANGUAGE LEARNERS
1990 - PRESENT**

Year (as of October 1)	Program Enrollment	Difference	% Change
1990	316		
1991	390	74	23.4%
1992	414	24	6.2%
1993	486	72	17.4%
1994	468	-18	-3.7%
1995	454	-14	-3.0%
1996	485	31	6.8%
1997	480	-5	-1.0%
1998	466	-14	-2.9%
1999	509	43	9.2%
2000	566	57	11.2%
2001	581	15	2.7%
2002	551	-30	-5.2%
2003	545	-6	-1.1%
2004	551	6	1.1%
2005	522	-29	-5.3%
2006	553	31	5.9%
2007	635	82	14.8%
2008	650	15	2.4%
2009	687	37	5.7%
2010	766	79	11.5%
2011	783	17	2.2%
2012	778	-5	-0.6%
2013	911	133	17.1%
2014	875	-36	-4.0%
2015	827	-48	-5.5%
2016	859	32	3.9%

Table 5 on the following page shows the number of English Language Learner students by grade level in the current year and the two years prior. The elementary ELL population has increased by 21 students in 2016-17 compared to the prior year. The ELL population at the secondary level in grades 6 -12 has increased by 11 students from the prior year. Table 5 also shows the number of students in each of the seven largest language groups for this school year and the prior two school years. The students in these groups receive native language support as needed. "Other" languages including French, Vietnamese, Pushtu/Pashtu, and Arabic represent 20% of the total ELL program enrollment in 2016-17.

TABLE 5
ENGLISH LANGUAGE LEARNERS
TRENDS OVER THREE YEARS
BY FIRST LANGUAGE AND GRADE LEVEL

LANGUAGE	2014-15			2015-16			Difference 2014-15 vs. 2015-16			2016-17			Difference 2015-16 vs. 2016-17		
	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)	174	69	243	157	86	243	-17	17	0	154	89	243	-3	3
Russian	108	13	121	102	16	118	-6	3	-3	96	11	107	-6	-5	-11
Spanish	69	30	99	76	23	99	7	-7	0	67	43	110	-9	20	11
Korean	39	25	64	37	11	48	-2	-14	-16	34	8	42	-3	-3	-6
Japanese	35	10	45	29	5	34	-6	-5	-11	39	7	46	10	2	12
Hebrew	55	16	71	51	12	63	-4	-4	-8	66	21	87	15	9	24
Portuguese	29	19	48	21	17	38	-8	-2	-10	35	15	50	14	-2	12
Other	127	57	184	117	67	184	-10	10	0	120	54	174	3	-13	-10
TOTAL	636	239	875	590	237	827	-46	-2	-48	611	248	859	21	11	32

Students with Special Education Services (Table 6)

The following table reports five years of enrollment history of students requiring special education services by placement type and grade level, which has been stable. 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 receiving special education services in the Newton Public Schools this year is 19.1%. This is an increase of 17 students from last school year; however, the percentage of special education students compared to district enrollment is slightly lower than last year, as overall enrollment also increased this year. There are more special education students at the elementary and middle grade levels this year, with 872 students (15.0% of total elementary enrollment) and 604 students (21.1% of total middle enrollment) respectively, versus 860 students (14.9% of elementary enrollment) at the elementary level last year and 597 students (21.2% of middle enrollment) at the middle school level last year. There is a decrease of 2 students receiving special education services at the high school level. This year, there has been a slight increase in out of district placements as of October 2016, with slightly more students placed out of district to private special education schools (128 students vs. 123 in October 2015 and 126 in October 2014).

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 6
DISTRIBUTION OF STUDENTS RECEIVING SPECIAL EDUCATION SERVICES**

October 2016

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	775	37	49	2	8	1	0	0	872	15.0%
Middle	419	116	44	1	24	0	0	0	604	21.1%
High	628	111	113	12	60	18	0	2	944	23.6%
Total	1,822	264	206	15	92	19	0	2	2,420	19.1%

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

**Pre-school students are not included. If Pre-school students (133) were included in this table, the total Special Education population would be 2,553 (20.2%).

October 2015

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	758	77	16	1	8	0	0	0	860	14.9%
Middle	401	121	41	3	29	2	0	0	597	21.2%
High	627	132	107	7	50	19	0	4	946	24.2%
Total	1,786	330	164	11	87	21	0	4	2,403	19.2%

*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 (107) were included in this table, the total Special Education population would be 2,510 (20.1%).

**TABLE 6 (Continued)
DISTRIBUTION OF STUDENTS RECEIVING SPECIAL EDUCATION SERVICES**

October 2014

Level	Level of Service								Total Special Education**	% of Total Enrollment
	10	20	40*	41*	50	60*	70	90		
% of Time Outside Classroom	<21%	21-60%	>60%	100%	100%	100%	100%	100%		
Elementary	749	79	14	2	9		0	0	853	14.6%
Middle	416	132	54	5	30		0	1	638	22.7%
High	587	139	93	10	57	9	0	3	898	23.2%
Total	1,752	350	161	17	96	9	0	4	2,389	19.1%

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

**Pre-school students are not included. If Pre-school students (131) were included in this table, the total Special Education population would be 2,520 (20.2%).

October 2013

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

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

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

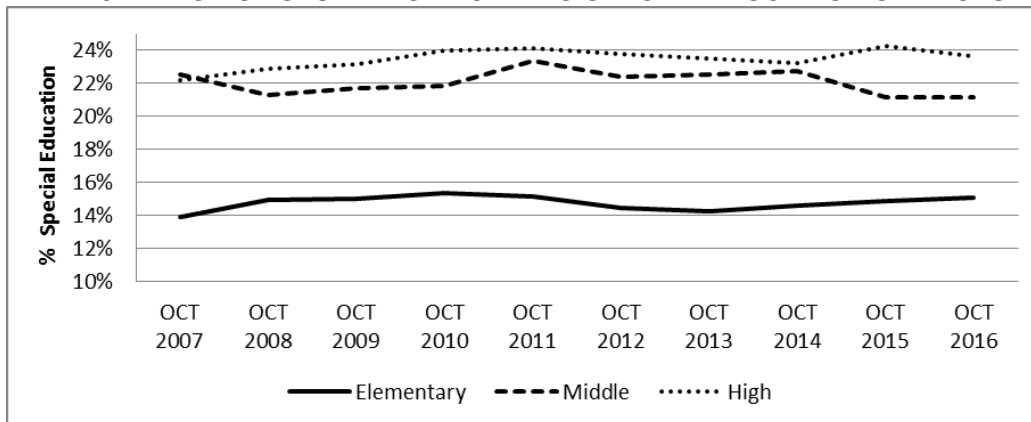
October 2012

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

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

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

**TEN YEAR TRENDS
PERCENTAGE OF STUDENTS RECEIVING SPECIAL EDUCATION SERVICES**



Non-Resident Students (Table 7)

The number of non-resident students attending the Newton Public Schools increased by 7 students since last year, or 1.2%, and is currently 599 students.

**TABLE 7
NON-RESIDENT STUDENTS
OCTOBER 1, 2015 AND OCTOBER 1, 2016**

Category	2015-16	2016-17	Difference	% Change
METCO Program Students	429	428	-1	-0.2%
Tuition-In Students	2	0	-2	-100.0%
Hearing Impaired (EDCO)	20	22	2	10.0%
Faculty Children	110	116	6	5.5%
Approved to Attend*	15	11	-4	-26.7%
Foreign Exchange Student	16	22	6	37.5%
TOTAL	592	599	7	1.2%

* 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 8

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 C
TABLE 9**

**CITY OF NEWTON
Residential Property Sales by District January 2005 to August 2016**

School District	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016*
Angier	64	60	71	42	50	45	68	58	70	67	78	64
Angier/Williams	6	7	6	6	9	7	7	7	13	8	4	3
Angier/Zervas											25	19
Bowen	172	142	142	128	144	153	134	165	76	95	62	51
Bowen/Mason-Rice	9	9	8	7	6	6	13	15	18	24	9	4
Bowen/Memorial Spaulding									64	65	54	29
Bowen/Ward									10	24	17	8
Burr	65	41	45	39	45	36	54	55	51	60	47	40
Burr/Williams	9	6	6	3	5	5	6	7	12	6	0	0
Cabot	90	76	77	68	48	81	46	91	82	80	78	45
Countryside	79	55	69	61	50	66	64	70	61	81	109	48
Countryside/Angier	49	45	59	32	39	33	31	42	35	56	0	0
Countryside/Bowen	13	12	11	12	14	11	10	5	12	12	13	10
Countryside/Memorial-Spaulding	3	2	1	3	2	5	4	1	2	4	2	1
Countryside/Zervas	2	2	1	1	1	1	1	1	2	2	0	0
Franklin	62	55	74	45	55	77	66	66	66	97	69	41
Franklin/Burr	5	7	12	8	15	9	5	15	12	17	10	7
Franklin/Horace Mann	7	7	4	7	6	9	3	8	4	9	2	1
Horace Mann	50	43	56	37	38	49	32	52	53	56	41	31
Horace Mann/Cabot											5	1
Horace Mann/Lincoln-Eliot	7	7	11	5	4	4	7	9	13	8	8	6
Lincoln-Eliot	69	77	69	42	43	47	49	62	66	65	59	39
Mason-Rice	65	56	84	69	52	52	50	67	57	71	75	30
Mason-Rice/Ward	15	4	12	11	6	6	4	12	11	12	11	9
Memorial-Spaulding	111	91	92	77	91	100	94	114	98	111	117	77
Peirce	40	54	59	43	34	39	33	49	47	38	43	37
Underwood	72	65	54	56	56	48	55	76	73	67	76	42
Underwood/Ward	4	0	1	5	0	1	1	2	3	3	2	2
Ward	59	53	56	105	52	40	62	62	54	59	68	48
Williams	35	61	32	21	33	28	31	33	41	41	38	18
Williams/Peirce	12	10	9	14	4	10	10	18	13	15	12	7
Zervas	52	39	52	47	45	45	43	52	46	57	79	63
Zervas/Mason-Rice	1	3	0	1	1	0	2	2	0	1	0	0
Totals	1,227	1,089	1,173	995	948	1,013	985	1,216	1,165	1,311	1,213	781

* Calendar Year 2016 information is from January 1, 2016 to August 30, 2016.

APPENDIX C
TABLE 10

PROPERTIES LISTED FOR SALE IN NEWTON, MA. BY ELEMENTARY DISTRICT

School District	Number of Taxable Properties	% For Sale	Number for Sale	Number for Last Year	SINGLE FAMILY - SF						CONDO - C				MULTI-FAMILY - MF			% BY TYPE									
					2 B.R.		3 B.R.		4 B.R.		5 B.R.		6+ B.R.		1 B.R.		2 B.R.		3 B.R.		4 B.R.		5+ B.R.		SF	C	MF
Angier	1,395	1.0%	14	23		3	2	4	5												100%	0%	0%	100%			
Bowen	1,279	1.3%	17	9		2	1	2	3		3	2	1	3							47%	53%	0%	100%			
Burr	1,280	0.3%	4	5		1		1			1	1									50%	50%	0%	100%			
Cabot	1,930	0.6%	11	10				1	2		2	3	3								27%	73%	0%	100%			
Countryside	1,423	0.8%	12	22		1	2	1	2	1				5							57%	42%	0%	99%			
Franklin	1,704	0.4%	6	5		2	1	1				1	1								67%	33%	0%	100%			
Horace Mann	1,313	0.8%	11	6		1	3	2	1				2	2							64%	36%	0%	100%			
Lincoln-Eliot	1,534	0.5%	8	8			1	3	1		3										62%	38%	0%	99%			
Mason-Rice	1,728	0.6%	10	7		1	1	3	4		1										90%	10%	0%	100%			
Memorial-Spaulding	2,113	1.1%	24	25		1	3	4	9	5	2										92%	8%	0%	100%			
Peirce	1,012	1.0%	10	10				1	4	5											100%	0%	0%	100%			
Underwood	1,432	1.0%	14	19		3	2	3	1		1	1		3							64%	36%	0%	100%			
Ward	1,395	0.7%	10	13		1	3	4	1		1										90%	10%	0%	100%			
Williams	758	1.2%	9	2		3	4	1					1								89%	11%	0%	100%			
Zervas	1,238	0.6%	8	22		2	1	2	1		1	1									75%	25%	0%	100%			
Angier / Williams	146			1																	100%	0%	0%	100%			
Angier/Zervas	96	3.1%	3	1		1		2																			
Bowen / Mason Rice	611			5																							
Bowen/Memorial-Spaulding	854	1.1%	9	5		2					2	3	2								22%	78%	0%	100%			
Bowen / Ward	101	4.0%	4						4												100%	0%	0%	100%			
Burr / Williams	124																										
Countryside / Angier	818																										
Countryside/Bowen	321	0.3%	1	1					1												100%	0%	0%	100%			
Countryside / Memorial Spaulding	66	6.1%	4								1										75%	25%	0%	100%			
Countryside/Zervas	34																				100%	0%	0%	100%			
Franklin/Burr	195	0.5%	1						1																		
Franklin / Horace Mann	146																										
Horace Mann / Cabot	45	4.4%	2								1	1									0%	100%	0%	100%			
Horace Mann/Lincoln-Eliot	176	2.3%	4	3					1		1	2									25%	75%	0%	100%			
Mason-Rice / Ward	277			2																							
Underwood/Ward	76			1																							
Williams/Peirce	246	1.2%	3	4					1			2									33%	67%	0%	100%			
Zervas/Mason-Rice	50																										
Total	25,916	0.8%	199	203		2	27	27	45	38	6	19	12	13	10	0	0	0	0	0	70%	30%	0%	100%			
Last Year's Property Mix			203			2	28	46	41	30	7	11	12	9	6	1	4	6									
Difference			-4			0	-1	-19	4	8	-1	8	0	4	4	-1	-4	-6									
% Difference			-2%			0%	-4%	-41%	10%	27%	-14%	73%	0%	44%	67%	-100%	-100%	-100%									

Note: This data came from MLS Listings of residential properties for sale in Newton, Ma. as of November 2016 and is subject to change on a daily basis. Only listings classified as "active" are included. There may be other properties for sale in Newton that are not contained on this listing service. The number of taxable properties is updated as of Nov 2014.

APPENDIX D

TABLE 11

NESDEC's Projections vs Newton's Projections

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

Level	FY18 2017-18	FY19 2018-19	FY20 2019-20	FY21 2020-21	FY22 2021-22
Elementary	5,845	5,853	5,822	5,738	5,762
Middle	2,872	2,855	2,888	3,014	3,015
High School	3,974	4,020	4,077	4,070	4,104
Special Education	96	96	96	96	96
Total	12,787	12,824	12,883	12,918	12,977

NESDEC's Projections*

Level	FY18 2017-18	FY19 2018-19	FY20 2019-20	FY21 2020-21	FY22 2021-22
Elementary	5,865	5,893	5,876	5,790	5,806
Middle	2,856	2,840	2,867	2,970	2,973
High School	3,975	4,021	4,071	4,060	4,095
Special Education	96	96	96	96	96
Total	12,792	12,850	12,910	12,916	12,970

Difference

Level	FY18 2017-18	FY19 2018-19	FY20 2019-20	FY21 2020-21	FY22 2021-22
Elementary	-20	-40	-54	-52	-44
Middle	16	15	21	44	42
High School	-1	-1	6	10	9
Special Education	0	0	0	0	0
Total	-5	-26	-27	2	7

**Kindergarten Only
Newton's Projections**

Level	FY18 2017-18	FY19 2018-19	FY20 2019-20	FY21 2020-21	FY22 2021-22
Kindergarten	902	899	894	904	906

NESDEC's Projections*

Level	FY18 2017-18	FY19 2018-19	FY20 2019-20	FY21 2020-21	FY22 2021-22
Kindergarten	921	910	905	876	901

Difference

Level	FY18 2017-18	FY19 2018-19	FY20 2019-20	FY21 2020-21	FY22 2021-22
Kindergarten	-19	-11	-11	28	5

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

APPENDIX E
TABLE 12
Elementary Students by District with Buffer Zones
October 2016

Elementary District	School Attending	K	1	2	3	4	5	Total	Total Students in District including Out-of-Assigned District Students	2016-17 % of District Students	2016-17 % of Total Students	2015-16 Number of Students	2014-15 Number of Students
Buffer Zones													
ANGIER-COUNTRYSIDE (Student Assignment Change 2015-16) (Zone Eliminated)	Angier Countryside Subtotal												59
	Angier	0	0	0	1	0	1	2			7%	1	26
	Williams	2	6	3	8	3	5	27			93%	26	27
	Subtotal	2	6	3	9	3	6	29	29	100%	100%	27	53
ANGIER-ZERVAS (Student Assignment Change 2015-16) (New Zone)	Angier Zervas Subtotal	7	7	5	1	8	3	31			78%	28	1
	Angier	2	0	4	0	2	1	9			23%	0	1
	Zervas	9	7	9	1	10	4	40	76	100%	100%	29	29
BOWEN-COUNTRYSIDE (Expanded in 2011-12)	Bowen Countryside Subtotal	1	0	6	4	6	2	19			33%	18	18
	Bowen	0	7	9	6	6	10	38			67%	45	45
	Subtotal	1	7	15	10	12	12	57	58	100%	100%	63	63
BOWEN-MASON-RICE (Student Assignment Change 2015-16) (Zone Boundary Change)	Bowen Mason-Rice Subtotal	7	5	5	10	4	7	38			78%	40	90
	Bowen	1	3	3	0	2	2	11			22%	8	44
	Subtotal	8	8	8	10	6	9	49	51	100%	100%	48	134
BOWEN-MEMORIAL-SPAULDING (New in 2014-15)	Bowen Memorial-Spauldning Subtotal	6	6	6	15	4	11	48			89%	55	61
	Bowen	3	3	0	0	0	0	6			11%	5	1
	Subtotal	9	9	6	15	4	11	54	58	100%	100%	60	62
BOWEN-WARD (New in 2014-15)	Bowen Ward Subtotal	3	7	1	6	1	3	21			88%	21	21
	Bowen	1	0	0	1	0	1	3			13%	2	1
	Subtotal	4	7	1	7	1	4	24	24	100%	100%	23	22
BURR-FRANKLIN (Expanded in 2012-13)	Burr Franklin Subtotal	3	8	3	3	4	4	25			57%	20	16
	Burr	2	2	6	3	2	4	19			43%	24	21
	Subtotal	5	10	9	6	6	8	44	44	100%	100%	44	37
BURR-WILLIAMS (Student Assignment Change 2015-16) (Zone Eliminated)	Burr Williams Subtotal												33
	Burr												35
	Subtotal												68
CABOT-HORACE MANN (Student Assignment Change 2015-16) (New Zone)	Cabot Horace Mann Subtotal	1	2	0	0	0	0	3			18%	2	2
	Cabot	0	2	1	4	6	1	14			82%	18	18
	Subtotal	1	4	1	4	6	1	17	17	100%	100%	20	20
COUNTRYSIDE-MEMORIAL-SPAULDING (Expanded in 2016-17)	Countryside Memorial-Spauldning Subtotal	1	0	0	0	0	0	1			4%	0	0
	Countryside	1	9	2	2	3	10	27			96%	3	3
	Subtotal	2	9	2	2	3	10	28	30	100%	100%	3	3
COUNTRYSIDE-ZERVAS (Student Assignment Change 2015-16) (Zone Boundary Change)	Countryside Zervas Subtotal	4	6	4	6	4	5	29			76%	31	1
	Countryside	1	2	2	2	2	0	9			24%	1	0
	Subtotal	5	8	6	8	6	5	38	46	100%	100%	32	1

APPENDIX E
TABLE 12
Elementary Students by District with Buffer Zones
October 2016

Elementary District	School Attending	K	1	2	3	4	5	Total	Total Students in District including Out-of-Assigned District Students	2016-17 % of District	2016-17 % of Total Students	2015-16 Number of Students	2014-15 Number of Students	
														2016-17 % of District
FRANKLIN-HORACE MANN	Franklin	2	4	5	2	6	2	21		40%	0%	19	16	
	Horace Mann	5	7	5	3	6	6	32	56	60%	1%	33	36	
	<i>Subtotal</i>	7	11	10	5	12	8	53		100%	1%	52	52	
HORACE MANN-LINCOLN-ELIOT	Horace Mann	4	2	2	3	1	7	19		51%	0%	14	15	
	Lincoln-Eliot	7	3	1	4	2	1	18	41	49%	0%	10	6	
	<i>Subtotal</i>	11	5	3	7	3	8	37		100%	1%	24	21	
MASON-RICE-WARD	Mason-Rice	3	7	7	5	9	9	36		75%	1%	38	40	
	Ward	2	1	3	3	2	1	12	49	25%	0%	12	13	
	<i>Subtotal</i>	5	8	10	8	7	10	48		100%	1%	50	53	
MASON-RICE-ZERVAS (Student Assignment Change 2015-16) (Zone Eliminated)	Mason-Rice											3	3	
	Zervas											2	2	
	<i>Subtotal</i>											5	5	
PEIRCE-WILLIAMS	Peirce	9	10	17	16	11	17	80	100	81%	1%	74	75	
	Williams	1	5	3	1	6	3	19		19%	0%	23	18	
	<i>Subtotal</i>	10	15	20	17	17	20	99		100%	2%	97	93	
UNDERWOOD-WARD	Underwood	0	0	1	0	2	1	4		100%	0%	4	2	
	Ward	0	0	0	0	0	0	0	5	0%	0%	0	0	
	<i>Subtotal</i>	0	0	1	0	2	1	4		100%	0%	4	2	
Total Buffer Zones		79	114	104	109	98	117	621	684	100%	11%	576	855	
Regular Districts	Angier	63	52	57	53	47	38	310	358	7%	6%	292	261	
	Bowen	37	37	35	39	33	33	220	267	5%	4%	238	243	
	Burr	42	54	65	59	55	57	332	367	7%	6%	335	349	
	Cabot	49	52	67	60	68	68	364	373	8%	7%	368	382	
	Countryside	51	46	53	43	55	46	294	313	7%	5%	295	274	
	Franklin	69	58	75	64	53	59	378	392	9%	7%	355	351	
	Horace Mann	49	48	49	53	54	57	310	336	7%	6%	301	330	
	Lincoln-Eliot	54	48	48	56	41	51	298	310	7%	5%	295	299	
	Mason-Rice	54	65	61	66	58	40	344	443	8%	6%	319	354	
	Memorial-SpaULDing	63	65	79	65	64	54	390	400	9%	7%	418	405	
	Peirce	22	27	34	23	39	35	180	201	4%	3%	201	195	
	Underwood	46	40	57	39	41	45	268	288	6%	5%	277	294	
	Ward	42	41	47	47	52	42	271	282	6%	5%	259	256	
	Williams	39	44	33	32	30	25	203	229	5%	4%	193	189	
	Zervas	55	49	42	47	42	37	272	292	6%	5%	261	266	
	Total Regular Districts	735	726	802	746	738	687	4,434	4,851	100%	80%	4,407	4,448	
	Out-of-Assigned District Students		52	52	76	98	89	113	480			519	247	
	Total Students		866	892	982	953	925	917	5,535	5,535	100%	100%	5,502	5,550

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

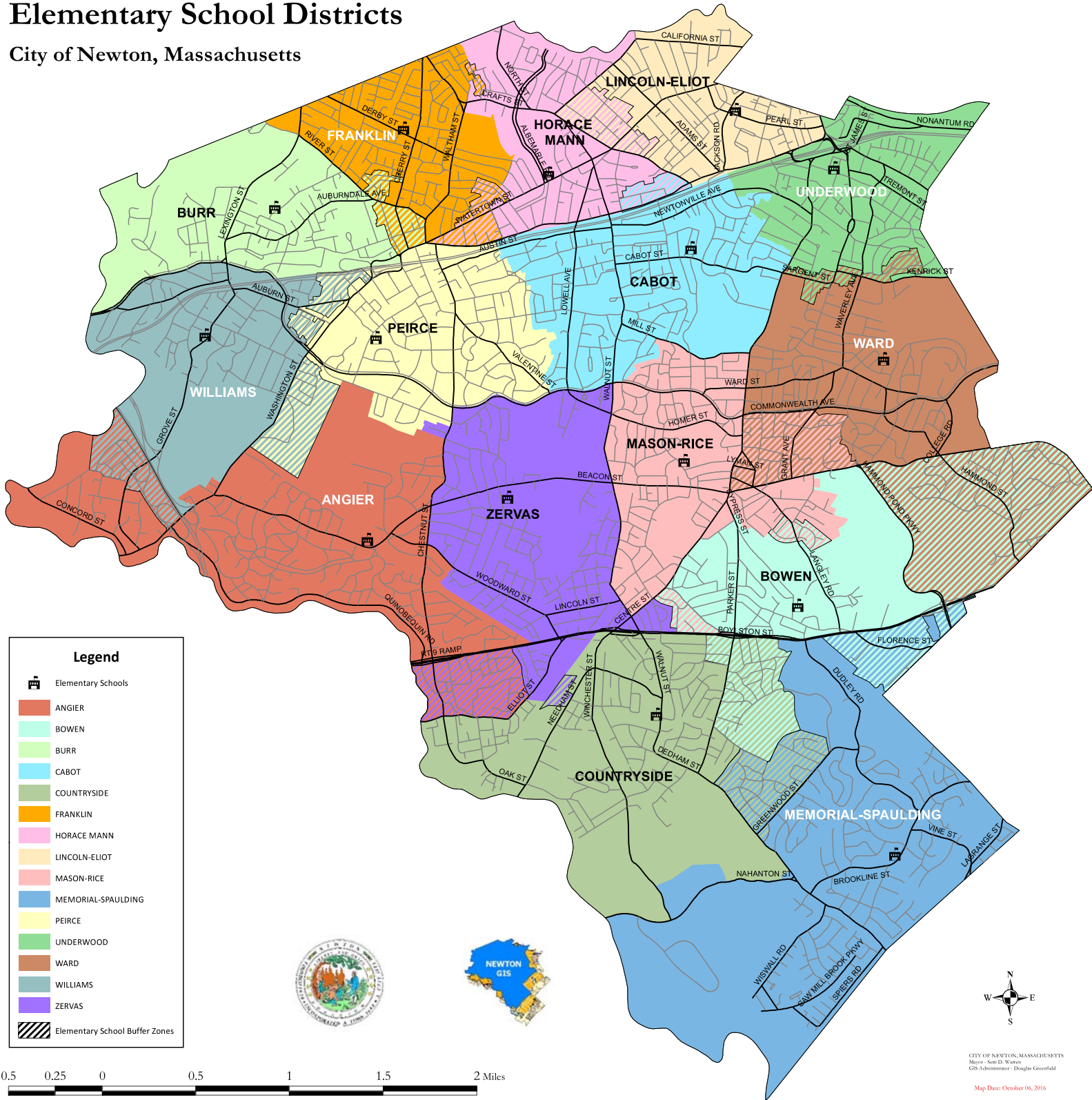
APPENDIX E
TABLE 13

Total Enrollment by High School Feeder Patterns


















School:	Feeds Into:	Newton North Feeding Schools					Newton South Feeding Schools						
		2016	2017	2018	2019	2020	2021	2016	2017	2018	2019	2020	2021
Lincoln-Eliot	Bigelow	346	347	355	349	352	354						
Underwood	Bigelow	313	316	319	323	307	315						
Ward	Bigelow	313	311	306	302	297	304						
Burr	Day	402	395	392	369	352	339						
Cabot	Day	400	394	377	382	370	375						
Franklin	Day	446	455	467	469	457	469						
Horace Mann	Day	417	399	396	392	395	393						
Peirce	Day	299	285	280	281	265	269						
Angier	Brown							421	444	455	464	466	476
Countryside	Brown							436	432	430	434	420	413
Mason-Rice	Brown	101	103	101	97	92	89	406	413	403	390	366	354
Williams	Brown							293	299	290	297	301	287
Bowen	Oak Hill							417	409	399	360	360	358
Memorial-Spaulding	Oak Hill							454	472	486	491	488	489
Zervas	Oak Hill							337	371	397	422	450	478
Total Elementary		3,037	3,005	2,993	2,964	2,887	2,907	2,764	2,840	2,860	2,858	2,851	2,855
Bigelow	North	525	536	531	538	564	553						
Day	North	922	985	988	1,012	1,026	1,012						
Brown	North (13%); South (87%)	101	97	94	95	104	107	673	647	630	637	698	715
Oak Hill	South							639	607	612	606	622	628
Total Middle School		1,548	1,618	1,613	1,645	1,694	1,672	1,312	1,254	1,242	1,243	1,320	1,343
Newton North		2,145	2,163	2,154	2,154	2,198	2,258	1,851	1,907	1,962	2,019	1,968	1,942
Newton South													
Total All Grade Levels		6,730	6,786	6,760	6,763	6,779	6,837	5,927	6,001	6,064	6,120	6,139	6,140
Change from Prior Year			56	-26	3	16	58		74	63	56	19	1
% Change			0.8%	-0.4%	0.0%	0.2%	0.9%		1.2%	1.0%	0.9%	0.3%	0.0%
Difference between North and South		294	256	192	135	230	316						

Elementary School Districts

City of Newton, Massachusetts



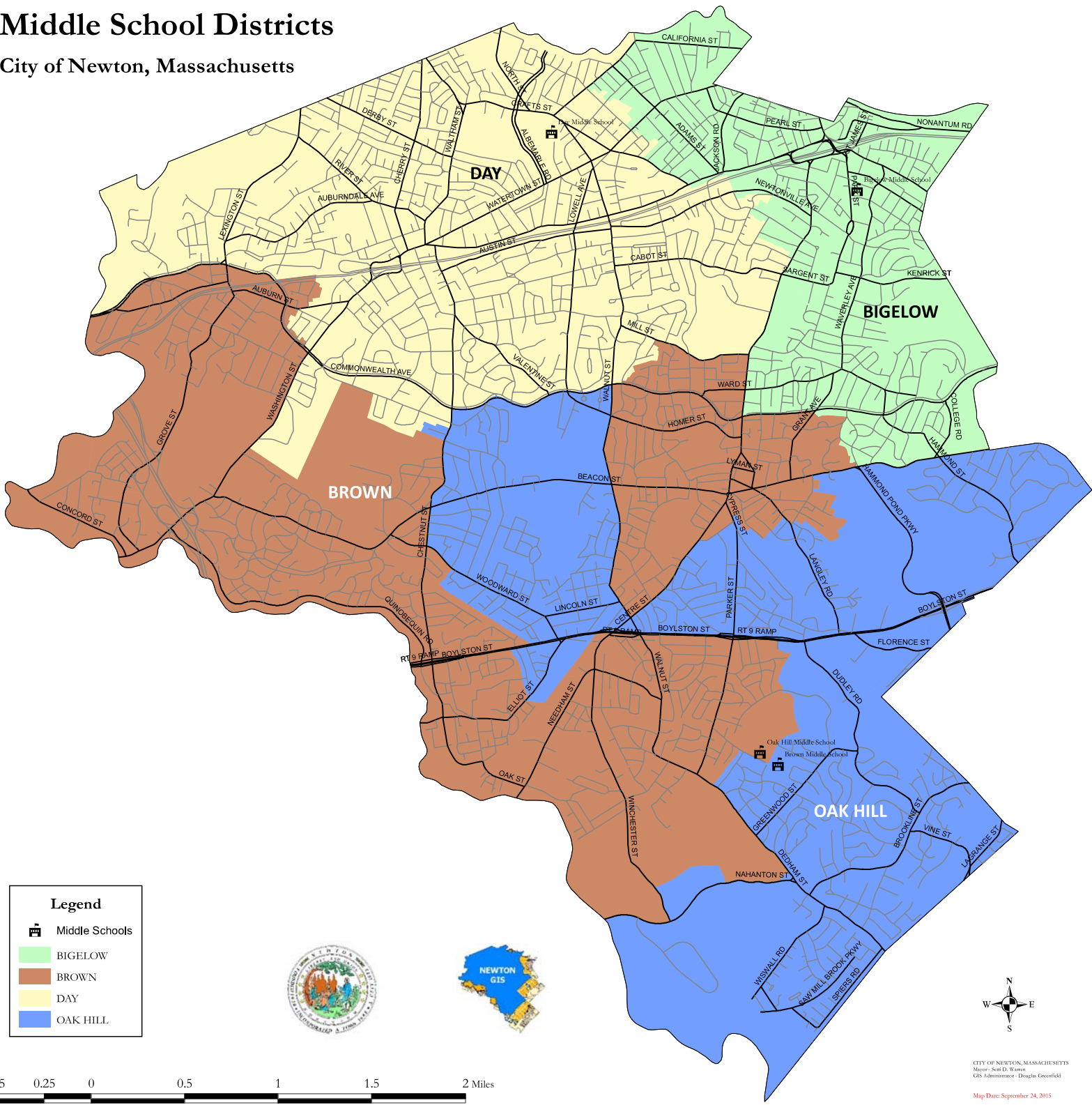
Legend

-  Elementary Schools
-  ANGIER
-  BOWEN
-  BURR
-  CABOT
-  COUNTRYSIDE
-  FRANKLIN
-  HORACE MANN
-  LINCOLN-ELIOT
-  MASON-RICE
-  MEMORIAL-SPAULDING
-  PEIRCE
-  UNDERWOOD
-  WARD
-  WILLIAMS
-  ZERVAS
-  Elementary School Buffer Zones

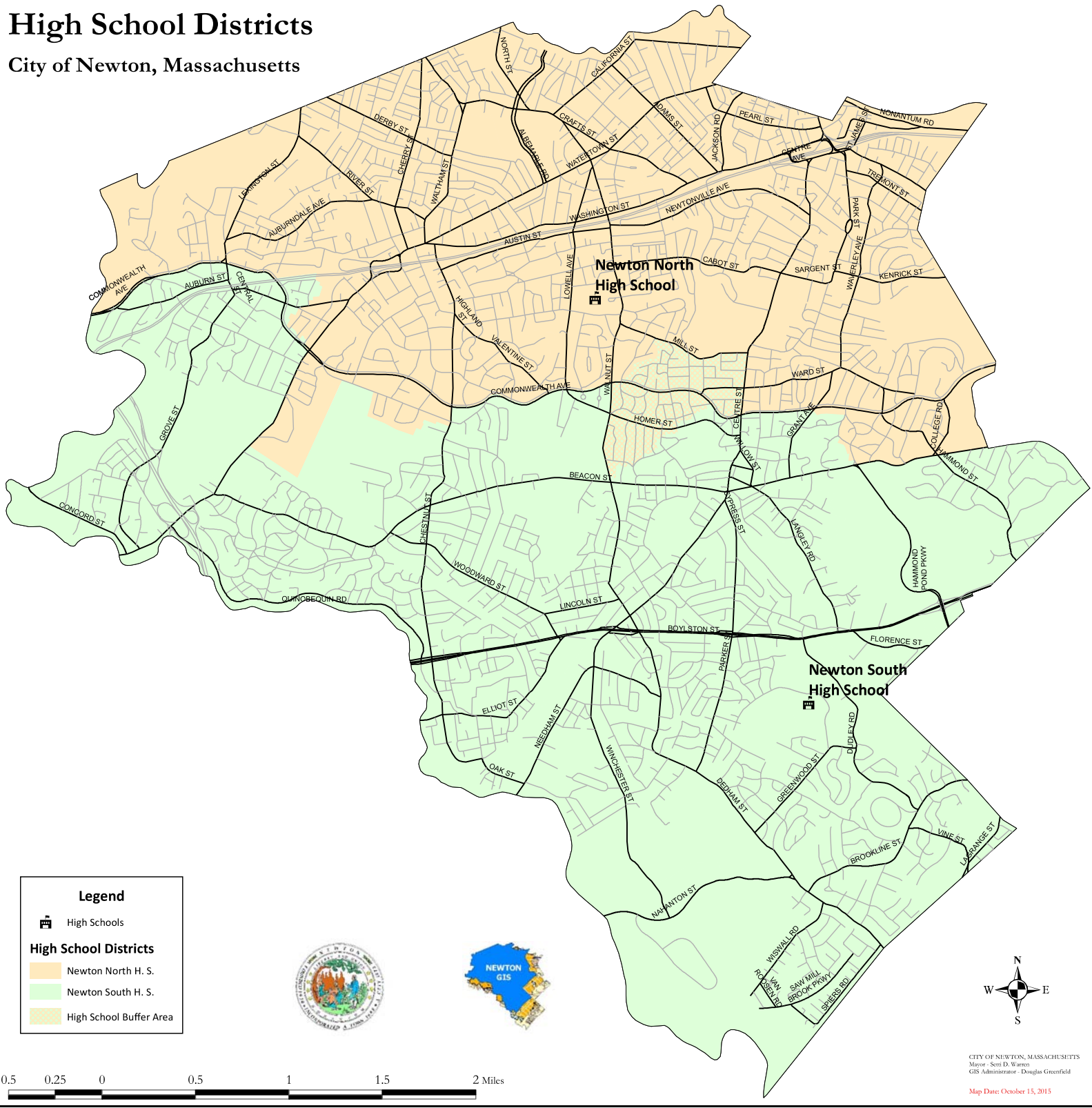


CITY OF NEWTON, MASSACHUSETTS
 Mayor: Kim D. Wilson
 GIS Administrator: Douglas Greenfield
 Map Date: October 06, 2016

Middle School Districts
City of Newton, Massachusetts



High School Districts
City of Newton, Massachusetts



Legend

- High Schools
- High School Districts**
- Newton North H. S.
- Newton South H. S.
- High School Buffer Area



CITY OF NEWTON, MASSACHUSETTS
Mayor - Scott D. Warren
GIS Administrator - Douglas Greenfield
Map Date: October 15, 2015

**APPENDIX F
TABLE 15
SCENARIOS FOR ENROLLMENT IN NEWTON PUBLIC SCHOOLS
KESSLER WOODS**

Proposed Unit Types		Enrollment Scenarios					
		Ratio 1	Resulting School Age Children	Ratio 2	Resulting School Age Children	Ratio 3	Resulting School Age Children
Units	%	#		#		#	
Studios	0%	0.000	0	0.000	0	0.000	0
1 BR Market	29 33%	0.000	0	0.000	0	0.000	0
1 BR Affordable	5 6%	0.000	0	0.000	0	0.000	0
2 BR Market	46 52%	0.192	9	0.193	9	0.258	12
2 BR Affordable	8 9%	0.914	7	0.922	7	1.219	10
3 BR Market	0 0%	0.740	0	0.731	0	0.929	0
3 BR Affordable	0 0%	2.579	0	2.548	0	3.250	0
Total	88		16		16		22
Average of Ratios		18					

COURT STREET

Proposed Unit Types		Enrollment Scenarios					
		Ratio 1	Resulting School Age Children	Ratio 2	Resulting School Age Children	Ratio 3	Resulting School Age Children
Units	%	#		#		#	
Studios	0%	0.000	0	0.000	0	0.000	0
1 BR Market	3 3%	0.000	0	0.000	0	0.000	0
1 BR Affordable	1 1%	0.000	0	0.000	0	0.000	0
2 BR Market	23 26%	0.192	4	0.193	4	0.258	6
2 BR Affordable	6 7%	0.914	5	0.922	6	1.219	7
3 BR Market	2 2%	0.740	1	0.731	1	0.929	2
3 BR Affordable	1 1%	2.579	3	2.548	3	3.250	3
Total	36		14		14		18
Average of Ratios		15					

AUSTIN STREET

Proposed Unit Types		Enrollment Scenarios					
		Ratio 1	Resulting School Age Children	Ratio 2	Resulting School Age Children	Ratio 3	Resulting School Age Children
Units	%	#		#		#	
Studios	0%	0.000	0	0.000	0	0.000	0
1 BR Market	22 25%	0.000	0	0.000	0	0.000	0
1 BR Affordable	7 8%	0.000	0	0.000	0	0.000	0
2 BR Market	29 33%	0.192	6	0.193	6	0.258	7
2 BR Affordable	10 11%	0.914	9	0.922	9	1.219	12
3 BR Market	0 0%	0.740	0	0.731	0	0.929	0
3 BR Affordable	0 0%	2.579	0	2.548	0	3.250	0
Total	68		15		15		20
Average of Ratios		16					

Notes:

- 1) Ratio 1 - Avalon Newton Highlands; Ratio 2 - Avalon at Chestnut Hill; Ratio 3 - Arborpoint at Woodland Station
- 2) All school children with physical addresses at the above developments are included in the ratio calculations. The assignment of school children to different unit types (e.g., 2BR or 3BR units) is based on industry estimates.
- 3) 48% of students are enrolled at the elementary grade level and 52% are enrolled at the secondary grade level.
- 4) An average of 14% of school age children attend private school.