

NEEDHAM PUBLIC SCHOOLS

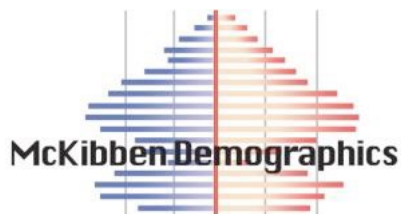
**POPULATION AND ENROLLMENT FORECASTS,
2023-24 THROUGH 2037-38**

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EXECUTIVE SUMMARY

1. The resident total fertility rate for Needham Public Schools over the 15-year life of the forecasts is below replacement level. (1.76 vs. the theoretical replacement level of 2.1)
2. Most in-migration to the district continues to occur in the 0-to-9 and 30-to-44-year-old age groups.
3. The local 18-to-24-year-old population continues to leave the district, going to college or moving to other urbanized areas. This population group accounts for the largest segment of the district's out migration flow. The second largest out flow is the 70+ age group, which are downsizing their homes and leaving the district
4. The primary factors causing the district's enrollment to rise and then stabilize over the next 15 years is the number of empty nest households (homeowners age 70+) "turning over" compared to the number of homes (homeowners aged 50-59) that become empty nest each year.
5. Changes in year-to-year enrollment over the next ten years will primarily be due to the size of the grade cohorts entering and moving through the school system in conjunction with the size of the cohorts leaving the system.
6. The elementary enrollment will stabilize after the 2030-31 school year in both scenarios. This will be due primarily to the fact that the rising 5th grade cohorts and the incoming grade cohorts will be roughly the same size.
7. In the Best scenario, the median age of the population will increase from 43.1 in 2020 to 45.1 in 2035. In the High scenario, the median age of the population will increase from 43.1 in 2020 to 44.9 in 2035.
8. Even if the district continues to have some of annual new home construction (particularly if that construction is rental units), the rate, magnitude and price of existing home sales will become the increasingly dominant factor affecting the amount of population and enrollment change.
9. In the Best scenario, total district enrollment is forecasted to increase by 144 students, or 2.6%, between 2022-23 and 2027-28. Total enrollment is forecasted to increase by 79 students, or 1.4%, from 2027-28 to 2032-33. The total enrollment is forecasted to grow by 12 students, or 0.2%, from 2032-33 to 2037-38.
10. In the High scenario, total district enrollment is forecasted to increase by 174 students, or 3.1%, between 2022-22 and 2027-28. Total enrollment is forecasted to increase by 108 students, or 1.9%, from 2027-28 to 2032-33. The total enrollment is forecasted to increase by 23 students, or 0.4%, from 2032-33 to 2037-38.

INTRODUCTION

By demographic principle, distinctions are made between projections and forecasts. A projection extrapolates the past (and present) into the future with little or no attempt to take into account any factors that may impact the extrapolation (e.g., changes in fertility rates, housing patterns or migration patterns) while a forecast results when a projection is modified by reasoning to take into account the aforementioned factors.

To maximize the use of this study as a planning tool, the ultimate goal is not simply to project the past into the future, but rather to assess various factors' impact on the future. The future population and enrollment change of each school district is influenced by a variety of factors. Not all factors will influence the entire school district at the same level. Some may affect different attendance areas at dissimilar magnitudes and rates causing changes at varying points of time within the same district. The forecaster's judgment, based on a thorough and intimate study of the district, has been used to modify the demographic trends and factors to predict likely changes more accurately. Therefore, strictly speaking, this study is a forecast, not a projection; and the amount of modification of the demographic trends varies between different areas of the district as well as within the timeframe of the forecast.

To calculate population forecasts of any type, particularly for smaller populations such as a school district, realistic suppositions must be made as to what the future will bring in terms of age specific fertility rates, mortality rates,

migration rates and residents' demographic behavior at certain points of the life course. The demographic history of the school district and its interplay with the social and economic history of the area is the starting point and basis of most of these suppositions particularly on key factors such as the age structure of the area. The unique nature of each district's and attendance area's demographic composition and rate of change over time must be assessed and understood to be factors throughout the life of the forecast series. For example, age structure, which is the variable with the greatest predictive value in regard to future population and enrollment change, is usually quite varied between different attendance areas. Moreover, no two populations, particularly at the school district, have exactly the same characteristics.

The manifest purpose of these forecasts is to ascertain the demographic factors that will ultimately influence the enrollment levels in the district's schools. There are of course, other non-demographic factors that affect enrollment levels over time. These factors include, but are not limited to transfer policies within the district; student transfers to and from neighboring districts; placement of "special programs" within school facilities that may serve students from outside the attendance area; state or federal mandates that dictate the movement of students from one facility to another (No Child Left Behind was an excellent example of this factor); the development of charter schools in the district and general area; the prevalence of home schooling in the

area; and the dynamics of local private schools.

Unless the district specifically requests the calculation of forecasts that reflect the effects of changes in these non-demographic and non-economic factors, their influences are held constant for the life of the forecasts. Again, the main function of these forecasts is to determine what impact demographic changes will have on future enrollment. It is quite possible to calculate special “scenario” forecasts to measure the impact of school policy modifications as well as planned economic and financial changes. However, in this case the results of these population and enrollment forecast are meant to represent the most likely scenario for changes over the next 15 years in the district and its attendance areas given the assumptions used in these forecasts.

The first part of the report will examine the assumptions made in calculating the population forecasts for the Needham Public Schools. Since the results of the population forecasts drive the subsequent enrollment forecasts, the assumptions listed in this section are paramount to understanding the area’s demographic dynamics. The remainder of the report is an explanation and analysis of the district’s population forecasts and how they will shape the district’s grade level enrollment forecasts.

DATA

The data used for the forecasts come from a variety of sources. The Needham Public Schools provided enrollments by grade and attendance center for the school years 2010-2011 to

2022-23. Birth and death data for the years 2000 through 2020 were obtained from the Massachusetts Department of Health. The net migration values were calculated using Internal Revenue Service migration reports for the years 2000 through 2020. The data used for the calculation of migration models came from the United States Bureau of the Census, 2005 to 2010, and the models were designed using demographic and economic factors. The base age-sex population counts used are from the results of the 2010 Census, calibrated to the 2020 Census results by attendance area.

Recently the Census Bureau began releasing annual estimates of demographic variables at the block group and tract level from the American Community Survey (ACS). There has been wide scale reporting of these results in the national, state, and local media. However, due to the methodological problems the Census Bureau is experiencing with their estimates derived from ACS data, particularly in areas with a population of less than 60,000, the results of the ACS are not used in these forecasts. For example, given the sampling framework used by the Census Bureau, each year only 340 of the over 11,200 current households in the district would have been included. For comparison 1,500 households in the district were included in the sample for the long form questionnaire in the 2000 Census. As a result of this small sample size, the ACS survey result from the last 5 years must be aggregated to produce the tract and block group estimates.

To develop the population forecast models, past net migration patterns, household structure, current age specific fertility patterns, the magnitude and

dynamics of the gross migration, the age specific mortality trends, the distribution of the population by age and sex, the rate and type of existing housing unit sales, and future housing unit construction are considered to be primary variables. In addition, the change in household size relative to the age structure of the forecast area was addressed. While there was a slight drop in the average household size in Massachusetts and most other areas of the nation during the previous 20 years, the average persons per household in Needham actually increase over the last decade. (2.72 persons per household in 2010 compared to 2.78 in 2020). However, the rate of this increase has been forecasted to slow significantly over the next fifteen years.

ASSUMPTIONS

For these forecasts, the mortality probabilities are held constant at the levels calculated for the year 2019. While the number of deaths in an area are impacted by and will change given the proportion of the local population over age 65, in the absence of an extraordinary event such as a natural disaster or a breakthrough in the treatment of heart disease, death rates rarely move rapidly in any direction, particularly at the school district or attendance area level. Thus, significant changes are not foreseen in district's mortality rates between now and the year 2035. (At this point in time, there is insufficient data at the geographic and age level to ascertain the impacts of COVID-19 on mortality rates.

We assume that most areas will return to their traditional mortality rate levels by 2023.) Any increases forecasted

in the number of deaths will be due primarily to the general aging of the district's population and specifically to the increase in the number of residents aged 65 and older. Given that the median age of the district is currently over 40, this will become an increasing important demographic dynamic over the next 15 years.

Similarly, fertility rates are assumed to stay fairly constant for the life of the forecasts. Like mortality rates, age specific fertility rates rarely change quickly or dramatically, particularly in small areas. Even with the recently reported rise in the age 30- to 39-year-old fertility rates of the United States, overall total fertility rates have stayed within a 15% range for most of the last 40 years. In fact, the vast majority of year-to-year change in an area's number of births is due to changes in the number of women in childbearing ages (particularly ages 20-34) rather than any fluctuation in an area's fertility rate.

The resident total fertility rate (TFR), the average number of births a woman will have while living in the school district during her lifetime, is estimated to be 1.76 for the total district for the ten years of the population forecasts. A TFR of 2.1 births per woman is considered to be the theoretical "replacement level" of fertility necessary for a population to remain constant in the absence of in-migration. Therefore, in the absence of migration, fertility alone would be insufficient to maintain the current level of population and enrollment within the Needham Public Schools over the course of the forecast period. It is important to note that this is the resident birth rate. Births that occur to women who then move into the district with their children are accounted for in

the migration calculations. At the current TFR and given the number of women in prime childbearing age in the district (ages 20–34-year-old), the district will consistently see the number of total resident births be on average over 90 lower than the average enrollment in grade one.

A close examination of data for Needham Public Schools has shown the age specific pattern of net migration will be nearly constant throughout the life of the forecasts. While the number of in and out migrants has changed in past years for the Needham Public Schools (and will change again over the next 15 years), the basic age pattern of the migrants has stayed nearly the same over the last 30 years. Based on the analysis of data it is safe to assume this age specific migration trend will remain unchanged into the future.

This pattern of migration shows most of the local out-migration occurring in the 18-to-24-year-old age group as young adults leave the area to go to college or move to other urbanized areas. Hence, when a district has larger than normal 12th grade classes, they will experience a slight rise in gross out migration as these students now leave for college. The second largest group of out-migrants are those householders aged 70 and older who are downsizing their residences and then in most cases move out of the district (this is an important outflow since these downsizing seniors provide most of the homes that are in the existing housing market). The majority of the local in-migration occurs in the 0-to-9 and 30-44 age groups (the bulk of them come from areas within 75 miles of the Needham Public Schools) primarily

consisting of younger adults and their children.

As the Norfolk County area is not currently contemplating any major expansions or contractions, the forecasts also assume that the current economic, political, social, and environmental factors, as well as the transportation and public works infrastructure (with a few notable exceptions) of the Needham Public Schools and its attendance areas will remain the same through the year 2034. Below is a list of assumptions and issues that are specific to Needham Public Schools. These issues have been used to modify the population forecast models to predict the impact of these factors more accurately on each area's population change. Specifically, the forecasts for the Needham Public School assume that throughout the study period these general factors will apply:

- a. The national, state or regional economy does not go into deep recession at any time during the 10 years of the forecasts; (Deep recession is defined as four consecutive quarters where the GDP contracts greater than 1% per quarter)
- b. The interest rate for a 30-year fixed home mortgage stays between 5.0% and 7.0% over the 15-year life of the forecasts;
- c. The rate of mortgage approval stays at 2015-2022 levels and lenders do not return to “sub-prime” mortgage practices;
- d. There are no additional restrictions placed on home mortgage lenders or additional

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| <p>bankruptcies of major credit providers;</p> <ul style="list-style-type: none">e. The rate of housing foreclosures does not exceed 125% of the 2015-2020 average of Norfolk County for any year in the forecasts;f. In the Best scenario, all currently platted, and approved housing developments are built out and completed by 2036. All housing units constructed are occupied by 2037;g. In the High scenario, all the aforementioned currently platted and approved housing developments are built out and completed by 2036. Additionally, the Overlay project will be Started in 2027 built out by 2031. All housing units constructed are occupied by 2034. Overlay is assumed to have 250 units total, with a 5 year build out plan;h. The average annual unemployment rates for the Norfolk County and the Greater Boston Metropolitan Area will remain below 7.0% for the 15 years of the forecasts;i. The rate of students transferring into and out of the Needham Public Schools will remain at the 2015-16 to 2022-23 average;j. The inflation rate for gasoline will stay below 5% per year for the 15 years of the forecasts;k. The state of Massachusetts will not change any of its current laws | <p>regarding inter-district transfers, charter schools or school vouchers;</p> <ul style="list-style-type: none">l. No charter school opens in the district or the immediate area any time over the next 15 years;m. The town of Needham will average approximately 260 existing housing unit sales annually until 2035;n. The apartment occupancy rate for the district stays above 95% for the 15 years of forecast cycle;o. There will be no building moratorium within the district;p. Businesses within the district and the Needham Public Schools area will remain viable;q. The number of existing home sales in the district that are a result of “distress sales” (homes worth less than the current mortgage value) will not exceed 20% of total homes sales in the district for any given year;r. Housing turnover rates (sale of existing homes in the district) will remain at their current levels. The majority of existing home sales are made by homeowners over the age of 60;s. The district will not experience any natural disasters over the next 15 years;t. Private school and home school attendance rates will remain constant; |
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- u. The number of students engaging in virtual learning, (both within and outside of the district) will remain constant over the next 15 years;
- v. There is no return to any pandemic conditions at any time over the next 15 years.

If a major employer in the district or in the Greater Boston Metropolitan Area (particularly in the western suburbs) closes, reduces or expands its operations, the population forecasts would need to be adjusted to reflect the changes brought about by the change in economic and employment conditions. The same holds true for any major change in the local infrastructure (e.g., highway construction, water and sewer expansion, changes in zoning regulations etc.), an economic downturn, any weakness in the housing market or any instance or situation that causes rapid and dramatic population changes that could not be foreseen at the time the forecasts were calculated.

The high proportion of high school graduates from the Needham Public Schools that attend college or move to urban areas outside of the district for employment is a significant demographic factor. Their departure is a major reason for the extremely high out-migration in the 18 to 24 age group and was taken into account when calculating these forecasts (this is also a contributing factor on why the district resident fertility rate and subsequent number of births is so low). The out-migration of graduating high school seniors is expected to continue over the period of the forecasts and the rate of out-migration has been forecasted

to remain the same over the life of the forecast series.

Finally, all demographic trends (i.e., births, deaths, and migration) are assumed to be linear in nature and annualized over the forecast period. For example, if 1,000 births are forecasted for a 5-year period, an equal number, or proportion of the births are assumed to occur every year, 200 per year. Actual year-to-year variations do and will occur, but overall year-to-year trends are expected to be constant.

METHODOLOGY

The population forecasts presented in this report are the result of using the Cohort-Component Method of population forecasting (Siegel, and Swanson, 2004: 561-601) (Smith et. al. 2004). As stated in the **INTRODUCTION**, the difference between a projection and a forecast is in the use of explicit judgment based upon the unique features of the area under study. Strictly speaking, a cohort projection refers to the future population that would result if a mathematical extrapolation of historical trends. Conversely, a cohort-component forecast refers to the future population that is expected because of a studied and purposeful selection of the components of change (i.e., births, deaths, and migration) and forecast models are developed to measure the impact of these changes in each specific geographic area.

Five sets of data are required to generate population and enrollment forecasts. These five data sets are:

- a. a base-year population (here, the 2010 Census population for Needham Public Schools);
- b. a set of age-specific fertility rates for the district and the attendance areas to be used over the forecast period;
- c. a set of age-specific survival (mortality) rates for the district and the attendance areas;
- d. a set of age-specific migration rates for the district and the attendance areas, and;
- e. the historical enrollment figures by grade.

The most significant and difficult aspect of producing enrollment forecasts is the generation of the population forecasts in which the school age population (and enrollment) is embedded. In turn, the most challenging aspect of generating the population forecasts is found in deriving the rates of change in fertility, mortality, and migration. From the standpoint of demographic analysis, the Needham Public Schools is classified as a “small area” population (as compared to the population of the state of Massachusetts or to that of the United States). Small area population forecasts are more complicated to calculate because local variations in fertility, mortality, and migration may be more irregular than those at the regional, state, or national scale. Especially challenging is the forecast of the migration rates for local areas, because changes in the area’s socioeconomic characteristics can quickly change from past and current patterns (Peters and Larkin, 2002.)

The population forecasts for Needham Public Schools were calculated using a cohort-component method with the populations divided into male and female groups by five-year age cohorts that range from 0-to-4 years of age to 85 years of age and older (85+). Age- and sex-specific fertility, mortality, and migration models were constructed to specifically reflect the unique demographic characteristics of each of the attendance areas in the Needham Public Schools.

The enrollment forecasts were calculated using a modified average survivorship method. Average survivor rates (i.e., the proportion of students who progress from one grade level to the next given the average amount of net migration for that grade level) over the previous five years of year-to-year enrollment data were calculated for grades two through twelve. This procedure is used to identify specific grades where there are large numbers of students changing facilities for non-demographic factors, such as private school transfers or enrollment in special programs.

The survivorship rates were modified or adjusted to reflect the average rate of forecasted in and out migration of 5-to-9, 10-to-14 and 15-to-17-year-old cohorts to each of the attendance centers in Needham Public Schools for the period 2010 to 2015. These survivorship rates then were adjusted to reflect the forecasted changes in age-specific migration the district should experience over the next five years. These modified survivorship rates were used to project the enrollment of grades 2 through 12 for the period 2015

to 2020. The survivorship rates were adjusted again for the period 2020 to 2025, 2025 to 2030 and 2030 to 2035 to reflect the predicted changes in the amount of age-specific migration in the district for those time period.

The forecasted enrollments for kindergarten and first grade are derived from the 5-to-9-year-old population of the age-sex population forecast at the elementary attendance center district level. This procedure allows the changes in the incoming grade sizes to be factors of forecasted population change and not an extrapolation of previous class sizes. Given the potentially large amount of variation in kindergarten enrollment due to parental choice, changes in the state's minimum age requirement, and differing district policies on allowing children to start Kindergarten early, first grade enrollment is deemed to be a more accurate and reliable starting point for the forecasts. (McKibben, 1996). The level of the accuracy for both the total population and total enrollment forecasts at the school district level is estimated to be $\pm 2.5\%$ for the life of the forecasts.

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Appendix A: Population Forecasts—Best Scenario

Needham Public Schools Total Population **BEST SCENARIO**

	2010	2015	2020	2025	2030	2035
0-4	1,871	1,980	1,960	1,920	1,920	1,910
5-9	2,488	2,270	2,470	2,440	2,410	2,480
10-14	2,467	2,620	2,420	2,560	2,510	2,510
15-19	1,863	2,050	2,230	2,010	2,230	2,170
20-24	981	980	1,060	1,190	1,060	1,230
25-29	713	940	920	950	1,010	910
30-34	979	1,390	1,540	1,520	1,530	1,530
35-39	1,755	1,760	2,130	2,230	2,180	2,120
40-44	2,293	2,130	2,120	2,650	2,740	2,660
45-49	2,523	2,270	2,180	2,110	2,630	2,700
50-54	2,419	2,480	2,260	2,120	2,090	2,600
55-59	2,045	2,380	2,440	2,210	2,090	2,040
60-64	1,801	1,930	2,230	2,300	2,070	1,970
65-69	1,185	1,640	1,770	2,050	2,120	1,860
70-74	874	1,090	1,530	1,630	1,920	1,970
75-79	830	830	1,040	1,440	1,540	1,750
80-84	776	760	760	950	1,330	1,420
85+	1,041	1,040	1,040	1,020	1,110	1,350
Total	28,904	30,540	32,100	33,300	34,490	35,180
Median Age	42.9	43.0	43.1	43.5	44.4	45.1
Births	1,350	1,370	1,350	1,380	1,370	1,370
Deaths	1,300	1,350	1,410	1,550	1,790	1,790
Natural Increase	50	20	-60	-170	-420	-420
Net Migration	1,610	1,500	1,370	1,270	1,200	1,200
Change	1,660	1,520	1,310	1,100	780	780

Differences between period Totals may not equal Change due to rounding.

Broadmeadow Elementary Total Population **BEST SCENARIO**

	2010	2015	2020	2025	2030	2035
0-4	391	390	360	320	380	350
5-9	562	520	500	470	450	470
10-14	545	600	540	520	490	480
15-19	340	420	480	430	420	390
20-24	138	150	250	260	220	220
25-29	97	110	120	210	160	140
30-34	127	220	210	260	310	260
35-39	378	310	380	370	420	450
40-44	465	440	360	540	530	560
45-49	512	460	440	360	540	530
50-54	441	500	460	420	350	530
55-59	394	430	500	450	420	350
60-64	329	390	420	480	430	400
65-69	207	290	350	380	440	400
70-74	172	170	250	300	340	400
75-79	155	160	160	230	290	310
80-84	142	140	150	140	210	260
85+	107	140	160	170	180	220
Total	5,498	5,840	6,090	6,310	6,580	6,720
Median Age	41.9	42.3	42.8	42.9	44.2	45.4
Births	210	200	220	220	200	200
Deaths	190	210	230	250	290	290
Natural Increase	20	-10	-10	-30	-90	-90
Net Migration	310	270	270	260	250	250
Change	330	260	260	230	160	160

Differences between period Totals may not equal Change due to rounding.

Eliot Elementary Total Population **BEST SCENARIO**

	2010	2015	2020	2025	2030	2035
0-4	281	330	340	350	330	320
5-9	370	350	390	400	400	410
10-14	350	440	410	430	440	430
15-19	245	220	320	310	360	370
20-24	142	110	100	220	200	220
25-29	157	280	230	190	300	270
30-34	225	360	440	320	300	360
35-39	279	490	590	620	470	430
40-44	385	410	600	680	700	560
45-49	369	380	410	600	670	690
50-54	384	360	380	390	590	660
55-59	306	380	360	370	390	570
60-64	245	300	360	350	360	380
65-69	160	240	290	360	340	350
70-74	137	150	220	260	320	310
75-79	165	130	140	210	240	300
80-84	141	150	120	130	200	230
85+	197	200	200	180	180	200
Total	4,537	5,280	5,900	6,370	6,790	7060
Median Age	42.8	40.7	41.1	42.5	44.3	46.2
Births	270	280	260	260	250	
Deaths	210	220	220	240	280	
Natural Increase	60	60	40	20	-30	
Net Migration	660	590	450	380	330	
Change	720	650	490	400	300	

Differences between period Totals may not equal Change due to rounding.

Sunita Williams Elementary Total Population BEST SCENARIO

	2010	2015	2020	2025	2030	2035
0-4	341	410	410	390	390	380
5-9	410	400	490	510	500	500
10-14	373	400	420	490	510	500
15-19	445	330	360	380	450	460
20-24	353	320	290	240	240	310
25-29	191	260	230	200	140	150
30-34	230	320	370	370	340	280
35-39	337	350	440	500	500	460
40-44	416	420	350	510	570	570
45-49	475	410	420	350	510	560
50-54	463	470	410	410	350	500
55-59	388	460	460	400	400	340
60-64	362	370	440	450	390	390
65-69	238	310	330	380	390	330
70-74	179	220	300	310	370	380
75-79	165	170	210	280	290	340
80-84	217	150	160	200	250	270
85+	449	380	320	280	270	290
Total	6,030	6,150	6,410	6,650	6,860	7010
Median Age	44.0	43.4	42.8	42.4	43.2	44.1
Births	310	330	300	300	290	
Deaths	360	320	300	310	350	
Natural Increase	-50	10	0	-10	-60	
Net Migration	210	210	220	230	220	
Change	160	220	220	220	160	

Differences between period Totals may not equal Change due to rounding.

Mitchell Elementary Total Population BEST SCENARIO

	2010	2015	2020	2025	2030	2035
0-4	344	370	380	390	380	440
5-9	461	440	520	500	500	520
10-14	417	470	460	530	510	510
15-19	270	400	470	420	520	500
20-24	120	100	130	230	220	280
25-29	85	90	70	100	210	200
30-34	148	150	150	120	150	250
35-39	294	210	210	190	160	190
40-44	400	290	240	230	220	180
45-49	407	400	290	240	230	210
50-54	383	400	390	290	240	230
55-59	351	380	390	390	280	230
60-64	299	280	300	310	310	220
65-69	174	250	230	240	250	240
70-74	116	160	240	210	230	240
75-79	86	120	160	230	210	220
80-84	79	80	100	150	220	190
85+	88	100	110	120	150	210
Total	4,521	4,690	4,840	4,890	4,990	5060
Median Age	41.5	42.0	40.6	39.1	35.2	31.6
Births		230	230	230	270	320
Deaths		230	250	280	300	330
Natural Increase		0	-20	-50	-30	-10
Net Migration		170	150	130	110	120
Change		170	130	80	80	110

Differences between period Totals may not equal Change due to rounding.

Newman Elementary Total Population BEST SCENARIO

	2010	2015	2020	2025	2030	2035
0-4	514	480	470	470	440	420
5-9	685	560	570	560	560	580
10-14	783	710	590	590	560	590
15-19	563	680	600	470	480	450
20-24	230	300	290	240	180	200
25-29	183	200	270	250	200	150
30-34	249	340	370	450	430	380
35-39	467	400	510	550	630	590
40-44	628	570	570	690	720	790
45-49	761	620	620	560	680	710
50-54	749	750	620	610	560	680
55-59	607	730	730	600	600	550
60-64	566	590	710	710	580	580
65-69	406	550	570	690	700	540
70-74	271	390	520	550	660	640
75-79	259	250	370	490	510	580
80-84	197	240	230	330	450	470
85+	201	220	250	270	330	430
Total	8,319	8,580	8,860	9,080	9,270	9330
Median Age	43.9	45.4	46.5	47.4	48.2	48.6
Births	330	330	340	330	310	
Deaths	310	350	380	450	540	
Natural Increase	20	-20	-40	-120	-230	
Net Migration	260	280	300	290	280	
Change	280	260	260	170	50	

Differences between period Totals may not equal Change due to rounding.

Appendix B: Population Forecasts—High Scenario

Needham Public Schools Total Population

HIGH SCENARIO

	2010	2015	2020	2025	2030	2035
0-4	1,871	1,980	1,960	1,920	1,940	1,960
5-9	2,488	2,270	2,470	2,440	2,440	2,510
10-14	2,467	2,620	2,420	2,560	2,520	2,550
15-19	1,863	2,050	2,230	2,010	2,210	2,160
20-24	981	980	1,060	1,190	1,030	1,170
25-29	713	940	920	950	1,030	900
30-34	979	1,390	1,540	1,520	1,560	1,570
35-39	1,755	1,760	2,130	2,230	2,220	2,190
40-44	2,293	2,130	2,120	2,650	2,760	2,740
45-49	2,523	2,270	2,180	2,110	2,630	2,720
50-54	2,419	2,480	2,260	2,120	2,090	2,600
55-59	2,045	2,380	2,440	2,210	2,090	2,040
60-64	1,801	1,930	2,230	2,300	2,070	1,970
65-69	1,185	1,640	1,770	2,050	2,100	1,860
70-74	874	1,090	1,530	1,630	1,920	1,940
75-79	830	830	1,040	1,440	1,540	1,750
80-84	776	760	760	950	1,330	1,420
85+	1,041	1,040	1,040	1,020	1,110	1,350
Total	28,904	30,540	32,100	33,300	34,590	35,400
Median Age	42.9	43.0	43.1	43.5	44.2	44.9
Births	1,350	1,370	1,350	1,380	1,390	1,390
Deaths	1,300	1,350	1,410	1,550	1,790	1,790
Natural Increase	50	20	-60	-170	-400	-400
Net Migration	1,610	1,500	1,360	1,360	1,310	1,310
Change	1,660	1,520	1,300	1,190	910	910

Differences between period Totals may not equal Change due to rounding.

Needham Public Schools Demographic Study – January 2023

Broadmeadow Elementary Total Population **HIGH SCENARIO**

	2010	2015	2020	2025	2030	2035
0-4	391	390	360	320	380	350
5-9	562	520	500	470	450	470
10-14	545	600	540	520	490	480
15-19	340	420	480	430	420	390
20-24	138	150	250	260	220	220
25-29	97	110	120	210	160	140
30-34	127	220	210	260	310	260
35-39	378	310	380	370	420	450
40-44	465	440	360	540	530	560
45-49	512	460	440	360	540	530
50-54	441	500	460	420	350	530
55-59	394	430	500	450	420	350
60-64	329	390	420	480	430	400
65-69	207	290	350	380	440	400
70-74	172	170	250	300	340	400
75-79	155	160	160	230	290	310
80-84	142	140	150	140	210	260
85+	107	140	160	170	180	220
Total	5,498	5,840	6,090	6,310	6,580	6,720
Median Age	41.9	42.3	42.8	42.9	44.2	45.4
Births	210	200	220	220	200	
Deaths	190	210	230	250	290	
Natural Increase	20	-10	-10	-30	-90	
Net Migration	310	270	260	260	250	
Change	330	260	250	230	160	

Differences between period Totals may not equal Change due to rounding.

Needham Public Schools Demographic Study – January 2023

Eliot Elementary Total Population **HIGH SCENARIO**

	2010	2015	2020	2025	2030	2035
0-4	281	330	340	350	350	370
5-9	370	350	390	400	430	440
10-14	350	440	410	430	450	470
15-19	245	220	320	310	340	360
20-24	142	110	100	220	170	160
25-29	157	280	230	190	320	260
30-34	225	360	440	320	330	400
35-39	279	490	590	620	510	500
40-44	385	410	600	680	720	640
45-49	369	380	410	600	670	710
50-54	384	360	380	390	590	660
55-59	306	380	360	370	390	570
60-64	245	300	360	350	360	380
65-69	160	240	290	360	320	350
70-74	137	150	220	260	320	280
75-79	165	130	140	210	240	300
80-84	141	150	120	130	200	230
85+	197	200	200	180	180	200
Total	4,537	5,280	5,900	6,370	6,890	7280
Median Age	42.8	40.7	41.1	42.5	43.8	45.3
Births	270	280	260	260	270	270
Deaths	210	220	220	240	280	280
Natural Increase	60	60	40	20	-10	-10
Net Migration	660	590	450	470	440	440
Change	720	650	490	490	430	430

Differences between period Totals may not equal Change due to rounding.

Sunita Williams Elementary Total Population HIGH SCENARIO

	2010	2015	2020	2025	2030	2035
0-4	341	410	410	390	390	380
5-9	410	400	490	510	500	500
10-14	373	400	420	490	510	500
15-19	445	330	360	380	450	460
20-24	353	320	290	240	240	310
25-29	191	260	230	200	140	150
30-34	230	320	370	370	340	280
35-39	337	350	440	500	500	460
40-44	416	420	350	510	570	570
45-49	475	410	420	350	510	560
50-54	463	470	410	410	350	500
55-59	388	460	460	400	400	340
60-64	362	370	440	450	390	390
65-69	238	310	330	380	390	330
70-74	179	220	300	310	370	380
75-79	165	170	210	280	290	340
80-84	217	150	160	200	250	270
85+	449	380	320	280	270	290
Total	6,030	6,150	6,410	6,650	6,860	7010
Median Age	44.0	43.4	42.8	42.4	43.2	44.1
Births	310	330	300	300	290	
Deaths	360	320	300	310	350	
Natural Increase	-50	10	0	-10	-60	
Net Migration	210	210	220	230	220	
Change	160	220	220	220	160	

Differences between period Totals may not equal Change due to rounding.

Mitchell Elementary Total Population HIGH SCENARIO

	2010	2015	2020	2025	2030	2035
0-4	344	370	380	390	380	440
5-9	461	440	520	500	500	520
10-14	417	470	460	530	510	510
15-19	270	400	470	420	520	500
20-24	120	100	130	230	220	280
25-29	85	90	70	100	210	200
30-34	148	150	150	120	150	250
35-39	294	210	210	190	160	190
40-44	400	290	240	230	220	180
45-49	407	400	290	240	230	210
50-54	383	400	390	290	240	230
55-59	351	380	390	390	280	230
60-64	299	280	300	310	310	220
65-69	174	250	230	240	250	240
70-74	116	160	240	210	230	240
75-79	86	120	160	230	210	220
80-84	79	80	100	150	220	190
85+	88	100	110	120	150	210
Total	4,521	4,690	4,840	4,890	4,990	5060
Median Age	41.5	42.0	40.6	39.1	35.2	31.6
Births		230	230	230	270	320
Deaths		230	250	280	300	330
Natural Increase		0	-20	-50	-30	-10
Net Migration		170	150	130	110	120
Change		170	130	80	80	110

Differences between period Totals may not equal Change due to rounding.

Newman Elementary Total Population HIGH SCENARIO

	2010	2015	2020	2025	2030	2035
0-4	514	480	470	470	440	420
5-9	685	560	570	560	560	580
10-14	783	710	590	590	560	590
15-19	563	680	600	470	480	450
20-24	230	300	290	240	180	200
25-29	183	200	270	250	200	150
30-34	249	340	370	450	430	380
35-39	467	400	510	550	630	590
40-44	628	570	570	690	720	790
45-49	761	620	620	560	680	710
50-54	749	750	620	610	560	680
55-59	607	730	730	600	600	550
60-64	566	590	710	710	580	580
65-69	406	550	570	690	700	540
70-74	271	390	520	550	660	640
75-79	259	250	370	490	510	580
80-84	197	240	230	330	450	470
85+	201	220	250	270	330	430
Total	8,319	8,580	8,860	9,080	9,270	9330
Median Age	43.9	45.4	46.5	47.4	48.2	48.6
Births		330	330	340	330	310
Deaths		310	350	380	450	540
Natural Increase		20	-20	-40	-120	-230
Net Migration		260	280	300	290	280
Change		280	260	260	170	50

Differences between period Totals may not equal Change due to rounding.

Appendix C: Enrollment Forecasts—Best Scenario

Needham Public Schools Total Enrollment

BEST SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
PK	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
K	418	417	414	408	398	397	401	404	406	408	411	408	407	405	404	396
1	389	436	432	429	422	412	411	415	418	420	421	424	423	422	420	419
2	433	399	448	444	440	432	422	421	425	428	430	431	434	433	432	430
3	421	443	406	455	452	448	440	430	429	433	437	438	440	442	441	440
4	434	429	449	413	462	459	455	445	435	434	439	445	447	449	451	450
5	436	442	434	454	418	469	464	460	450	440	439	446	453	454	456	458
Total: K-5	2531	2566	2583	2603	2592	2617	2593	2575	2563	2563	2577	2592	2604	2605	2604	2593
6	446	438	446	438	461	424	476	471	467	459	447	446	453	460	461	463
7	443	442	434	442	434	456	422	474	469	465	457	445	444	451	458	459
8	375	434	433	425	429	425	447	414	465	460	456	448	436	435	442	449
Total: 7-8	818	876	867	867	863	881	869	888	934	925	913	893	880	886	900	908
9	417	368	425	424	417	420	417	438	406	456	451	447	439	427	426	433
10	428	415	364	421	420	413	416	413	434	402	451	449	445	437	425	424
11	421	426	411	360	417	416	409	412	409	430	398	449	447	443	435	423
12	379	419	422	407	356	413	412	405	408	405	426	394	445	443	439	431
SP	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Total: 9-SP	1653	1636	1630	1620	1618	1670	1662	1676	1665	1701	1734	1747	1784	1758	1733	1719
Total: K-12	5533	5601	5611	5613	5619	5677	5685	5695	5714	5733	5756	5763	5806	5794	5783	5768
Total: K-12	5533	5601	5611	5613	5619	5677	5685	5695	5714	5733	5756	5763	5806	5794	5783	5768
Change		68	10	2	6	58	8	10	19	19	23	7	43	-12	-11	-15
%Change		1.2%	0.2%	0.0%	0.1%	1.0%	0.1%	0.2%	0.3%	0.3%	0.4%	0.1%	0.7%	-0.2%	-0.2%	-0.3%
Total: K-5	2531	2566	2583	2603	2592	2617	2593	2575	2563	2563	2577	2592	2604	2605	2604	2593
Change		35	17	20	-11	25	-24	-18	-12	0	14	15	12	1	-1	-11
%Change		1.4%	0.7%	0.8%	-0.4%	1.0%	-0.9%	-0.7%	-0.5%	0.0%	0.5%	0.6%	0.5%	0.0%	0.0%	-0.4%
Total: 6	446	438	446	438	461	424	476	471	467	459	447	446	453	460	461	463
Change		-8	8	-8	23	-37	52	-5	-4	-8	-12	-1	7	7	1	2
%Change		-1.8%	1.8%	-1.8%	5.3%	-8.0%	12.3%	-1.1%	-0.8%	-1.7%	-2.6%	-0.2%	1.6%	1.5%	0.2%	0.4%
Total: 7-8	818	876	867	867	863	881	869	888	934	925	913	893	880	886	900	908
Change		58	-9	0	-4	18	-12	19	46	-9	-12	-20	-13	6	14	8
%Change		7.1%	-1.0%	0.0%	-0.5%	2.1%	-1.4%	2.2%	5.2%	-1.0%	-1.3%	-2.2%	-1.5%	0.7%	1.6%	0.9%
Total: 9-SP	1653	1636	1630	1620	1618	1670	1662	1676	1665	1701	1734	1747	1784	1758	1733	1719
Change		-17	-6	-10	-2	52	-8	14	-11	36	33	13	37	-26	-25	-14
%Change		-1.0%	-0.4%	-0.6%	-0.1%	3.2%	-0.5%	0.8%	-0.7%	2.2%	1.9%	0.7%	2.1%	-1.5%	-1.4%	-0.8%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Needham Public Schools Demographic Study – January 2023

Broadmeadow Elementary: Total Enrollment BEST SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
K	78	77	76	77	74	73	74	75	77	78	79	79	80	80	81	80
1	81	82	82	81	81	78	77	78	79	81	81	82	82	83	83	84
2	90	83	84	84	83	83	80	79	80	81	83	83	84	84	85	85
3	86	93	85	86	86	85	85	82	81	82	83	85	85	86	86	87
4	99	88	94	86	87	87	86	84	81	80	81	84	86	86	87	87
5	76	100	89	95	87	88	86	85	83	80	79	82	85	87	87	88
Total: K-5	510	523	510	509	498	494	488	483	481	482	486	495	502	506	509	511
Total: K-5	510	523	510	509	498	494	488	483	481	482	486	495	502	506	509	511
Change		13	-13	-1	-11	-4	-6	-5	-2	1	4	9	7	4	3	2
%Change		2.5%	-2.5%	-0.2%	-2.2%	-0.8%	-1.2%	-1.0%	-0.4%	0.2%	0.8%	1.9%	1.4%	0.8%	0.6%	0.4%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Eliot Elementary: Total Enrollment BEST SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
K	66	68	69	68	66	67	67	68	68	69	70	71	72	73	74	72
1	74	68	69	70	69	67	68	68	69	69	70	71	72	73	74	75
2	66	75	69	70	71	70	68	69	69	70	70	71	72	73	74	75
3	69	67	76	70	71	72	71	69	70	70	71	71	72	72	73	74
4	73	70	68	78	71	72	73	72	70	71	71	72	72	73	73	74
5	78	74	71	69	79	72	73	74	73	71	72	72	73	72	73	73
Total: K-5	426	422	422	425	427	420	420	420	419	420	424	428	433	436	441	443
Total: K-5	426	422	422	425	427	420	420	420	419	420	424	428	433	436	441	443
Change		-4	0	3	2	-7	0	0	-1	1	4	4	5	3	5	2
%Change		-0.9%	0.0%	0.7%	0.5%	-1.6%	0.0%	0.0%	-0.2%	0.2%	1.0%	0.9%	1.2%	0.7%	1.1%	0.5%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Needham Public Schools Demographic Study – January 2023

Sunita Williams Elementary: Total Enrollment **BEST SCENARIO**

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
K	88	90	91	90	88	88	89	89	87	86	86	85	84	83	82	80
1	79	92	92	93	92	90	90	91	91	89	88	88	87	86	85	84
2	99	81	96	96	96	95	93	93	94	94	92	91	91	90	89	88
3	89	102	83	98	98	98	97	95	95	96	96	94	94	94	93	92
4	84	92	104	85	100	100	100	99	97	97	99	99	98	98	98	97
5	90	86	93	105	86	102	102	102	101	99	99	101	102	101	101	101
Total: K-5	529	543	559	567	560	573	571	569	565	561	560	558	556	552	548	542
Total: K-5	529	543	559	567	560	573	571	569	565	561	560	558	556	552	548	542
Change		14	16	8	-7	13	-2	-2	-4	-4	-1	-2	-2	-4	-4	-6
%Change		2.6%	2.9%	1.4%	-1.2%	2.3%	-0.3%	-0.4%	-0.7%	-0.7%	-0.2%	-0.4%	-0.4%	-0.7%	-0.7%	-1.1%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Mitchell Elementary: Total Enrollment **BEST SCENARIO**

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
K	85	83	81	79	78	78	79	79	80	80	81	79	78	77	76	74
1	63	89	86	84	82	81	81	82	82	83	83	84	84	83	82	81
2	78	65	91	88	86	84	83	83	84	84	85	85	86	86	85	84
3	74	80	66	92	89	87	85	84	84	85	86	86	86	87	87	86
4	78	75	81	67	93	90	88	86	85	85	86	87	87	87	88	88
5	74	80	76	82	68	94	91	89	87	86	86	87	88	88	88	89
Total: K-5	452	472	481	492	496	514	507	503	502	503	507	508	509	508	506	502
Total: K-5	452	472	481	492	496	514	507	503	502	503	507	508	509	508	506	502
Change		20	9	11	4	18	-7	-4	-1	1	4	1	1	-1	-2	-4
%Change		4.4%	1.9%	2.3%	0.8%	3.6%	-1.4%	-0.8%	-0.2%	0.2%	0.8%	0.2%	0.2%	-0.2%	-0.4%	-0.8%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Needham Public Schools Demographic Study – January 2023

Newman Elementary: Total Enrollment

BEST SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
K	101	99	97	94	92	91	92	93	94	95	95	94	93	92	91	90
1	92	105	103	101	98	96	95	96	97	98	99	99	98	97	96	95
2	100	95	108	106	104	100	98	97	98	99	100	101	101	100	99	98
3	103	101	96	109	108	106	102	100	99	100	101	102	103	103	102	101
4	100	104	102	97	111	110	108	104	102	101	102	103	104	105	105	104
5	118	102	105	103	98	113	112	110	106	104	103	104	105	106	107	107
Total: K-5	614	606	611	610	611	616	607	600	596	597	600	603	604	603	600	595
Total: K-5	614	606	611	610	611	616	607	600	596	597	600	603	604	603	600	595
Change		-8	5	-1	1	5	-9	-7	-4	1	3	3	1	-1	-3	-5
%Change		-1.3%	0.8%	-0.2%	0.2%	0.8%	-1.5%	-1.2%	-0.7%	0.2%	0.5%	0.5%	0.2%	-0.2%	-0.5%	-0.8%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

High Rock: Total Enrollment

BEST SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
6	446	438	446	438	461	424	476	471	467	459	447	446	453	460	461	463
Total 6	446	438	446	438	461	424	476	471	467	459	447	446	453	460	461	463
Total 6	446	438	446	438	461	424	476	471	467	459	447	446	453	460	461	463
Change		-8	8	0	15	-37	52	-5	-4	-8	-12	-1	7	7	1	2
% Change		-2.7%	-11%	0.0%	3.4%	-8.0%	12%	-1.1%	-0.8%	-1.7%	-2.6%	-0.2%	1.6%	1.5%	0.2%	0.4%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

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Pollard Middle School: Total Enrollment BEST SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
7	443	442	434	442	434	456	422	474	469	465	457	445	444	451	458	459
8	375	434	433	425	429	425	447	414	465	460	456	448	436	435	442	449
Total:																
7-8	818	876	867	867	863	881	869	888	934	925	913	893	880	886	900	908
Total:																
7-8	818	876	867	867	863	881	869	888	934	925	913	893	880	886	900	908
Change		58	-9	0	-4	18	-12	19	46	-9	-12	-20	-13	6	14	8
% Change		7.1%	-1.0%	0.0%	-0.5%	2.1%	-1.4%	2.2%	5.2%	-1.0%	-1.3%	-2.2%	-1.5%	0.7%	1.6%	0.9%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Needham High School: Total Enrollment BEST SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
9	417	368	425	424	417	420	417	438	406	456	451	447	439	427	426	433
10	428	415	364	421	420	413	416	413	434	402	451	449	445	437	425	424
11	421	426	411	360	417	416	409	412	409	430	398	449	447	443	435	423
12	379	419	422	407	356	413	412	405	408	405	426	394	445	443	439	431
Total:																
9-12	1645	1628	1622	1612	1610	1662	1654	1668	1657	1693	1726	1739	1776	1750	1725	1711
Total:																
9-12	1645	1628	1622	1612	1610	1662	1654	1668	1657	1693	1726	1739	1776	1750	1725	1711
Change		-17	-6	-10	-2	52	-8	14	-11	36	33	13	37	-26	-25	-14
% Change		-1.0%	-0.4%	-0.6%	-0.1%	3.2%	-0.5%	0.8%	-0.7%	2.2%	1.9%	0.8%	2.1%	-1.5%	-1.4%	-0.8%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Appendix D: Enrollment Forecasts—High Scenario

Needham Public Schools Total Enrollment

HIGH SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
PK	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
K	418	416	414	408	404	405	410	413	415	417	418	413	410	406	403	398
1	389	436	431	429	422	418	417	422	425	427	428	429	426	423	419	416
2	433	399	448	443	440	434	428	427	433	436	438	439	439	436	433	429
3	421	443	406	455	451	448	442	436	436	442	446	447	448	448	445	442
4	434	429	449	413	462	458	455	447	442	442	449	455	456	457	457	454
5	436	442	434	454	418	469	463	460	452	448	448	457	463	464	465	465
Total: K-5	2531	2565	2582	2602	2597	2632	2615	2605	2603	2612	2627	2640	2642	2634	2622	2604
6	446	438	446	438	461	424	476	470	467	461	455	455	464	470	471	472
7	443	442	434	442	434	456	422	474	468	465	459	453	453	462	468	469
8	375	434	433	425	429	425	447	414	465	459	456	450	444	444	453	459
Total: 7-8	818	876	867	867	863	881	869	888	933	924	915	903	897	906	921	928
9	417	368	425	424	417	420	417	438	406	456	450	447	441	435	435	444
10	428	415	364	421	420	413	416	413	434	402	451	448	445	439	433	433
11	421	426	411	360	417	416	409	412	409	430	398	449	446	443	437	431
12	379	419	422	407	356	413	412	405	408	405	426	394	445	442	439	433
SP	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Total: 9-SP	1653	1636	1630	1620	1618	1670	1662	1676	1665	1701	1733	1746	1785	1767	1752	1749
Total: K-12	5533	5600	5610	5612	5624	5692	5707	5724	5753	5783	5815	5829	5873	5862	5851	5838
Total: K-12	5533	5600	5610	5612	5624	5692	5707	5724	5753	5783	5815	5829	5873	5862	5851	5838
Change		67	10	2	12	68	15	17	29	30	32	14	44	-11	-11	-13
%Change		1.2%	0.2%	0.0%	0.2%	1.2%	0.3%	0.3%	0.5%	0.5%	0.6%	0.2%	0.8%	-0.2%	-0.2%	-0.2%
Total: K-5	2531	2565	2582	2602	2597	2632	2615	2605	2603	2612	2627	2640	2642	2634	2622	2604
Change		34	17	20	-5	35	-17	-10	-2	9	15	13	2	-8	-12	-18
%Change		1.3%	0.7%	0.8%	-0.2%	1.3%	-0.6%	-0.4%	-0.1%	0.3%	0.6%	0.5%	0.1%	-0.3%	-0.5%	-0.7%
Total: 6	446	438	446	438	461	424	476	470	467	461	455	455	464	470	471	472
Change		-8	8	-8	23	-37	52	-6	-3	-6	-6	0	9	6	1	1
%Change		-1.8%	1.8%	-1.8%	5.3%	-8.0%	12%	-1.3%	-0.6%	-1.3%	-1.3%	0.0%	2.0%	1.3%	0.2%	0.2%
Total: 7-8	818	876	867	867	863	881	869	888	933	924	915	903	897	906	921	928
Change		58	-9	0	-4	18	-12	19	45	-9	-9	-12	-6	9	15	7
%Change		7.1%	-1.0%	0.0%	-0.5%	2.1%	-1.4%	2.2%	5.1%	-1.0%	-1.0%	-1.3%	-0.7%	1.0%	1.7%	0.8%
Total: 9-SP	1653	1636	1630	1620	1618	1670	1662	1676	1665	1701	1733	1746	1785	1767	1752	1749
Change		-17	-6	-10	-2	52	-8	14	-11	36	32	13	39	-18	-15	-3
%Change		-1.0%	-0.4%	-0.6%	-0.1%	3.2%	-0.5%	0.8%	-0.7%	2.2%	1.9%	0.8%	2.2%	-1.0%	-0.8%	-0.2%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

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Broadmeadow Elementary: Total Enrollment HIGH SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	2037-38
K	78	77	76	77	74	73	74	75	77	78	79	79	80	80	81	80
1	81	82	82	81	81	78	77	78	79	81	81	82	82	83	83	84
2	90	83	84	84	83	83	80	79	80	81	83	83	84	84	85	85
3	86	93	85	86	86	85	85	82	81	82	83	85	85	86	86	87
4	99	88	94	86	87	87	86	84	81	80	81	84	86	86	87	87
5	76	100	89	95	87	88	86	85	83	80	79	82	85	87	87	88
Total: K-5	510	523	510	509	498	494	488	483	481	482	486	495	502	506	509	511
Total: K-5	510	523	510	509	498	494	488	483	481	482	486	495	502	506	509	511
Change		13	-13	-1	-11	-4	-6	-5	-2	1	4	9	7	4	3	2
%Change		2.5%	-2.5%	-0.2%	-2.2%	-0.8%	-1.2%	-1.0%	-0.4%	0.2%	0.8%	1.9%	1.4%	0.8%	0.6%	0.4%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Eliot Elementary: Total Enrollment HIGH SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	2037-38
K	66	67	69	68	72	75	76	77	77	78	77	76	75	74	73	74
1	74	68	68	70	69	73	74	75	76	76	77	76	75	74	73	72
2	66	75	69	69	71	72	74	75	77	78	78	79	77	76	75	74
3	69	67	76	70	70	72	73	75	77	79	80	80	80	78	77	76
4	73	70	68	78	71	71	73	74	77	79	81	82	81	81	79	78
5	78	74	71	69	79	72	72	74	75	79	81	83	83	82	82	80
Total: K-5	426	421	421	424	432	435	442	450	459	469	474	476	471	465	459	454
Total: K-5	426	421	421	424	432	435	442	450	459	469	474	476	471	465	459	454
Change		-5	0	3	8	3	7	8	9	10	5	2	-5	-6	-6	-5
%Change		-1.2%	0.0%	0.7%	1.9%	0.7%	1.6%	1.8%	2.0%	2.2%	1.1%	0.4%	-1.1%	-1.3%	-1.3%	-1.1%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Sunita Williams Elementary: Total Enrollment HIGH SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
K	88	90	91	90	88	88	89	89	87	86	86	85	84	83	82	80
1	79	92	92	93	92	90	90	91	91	89	88	88	87	86	85	84
2	99	81	96	96	96	95	93	93	94	94	92	91	91	90	89	88
3	89	102	83	98	98	98	97	95	95	96	96	94	94	94	93	92
4	84	92	104	85	100	100	100	99	97	97	99	99	98	98	98	97
5	90	86	93	105	86	102	102	102	101	99	99	101	102	101	101	101
Total: K-5	529	543	559	567	560	573	571	569	565	561	560	558	556	552	548	542
Total: K-5	529	543	559	567	560	573	571	569	565	561	560	558	556	552	548	542
Change		14	16	8	-7	13	-2	-2	-4	-4	-1	-2	-2	-4	-4	-6
%Change		2.6%	2.9%	1.4%	-1.2%	2.3%	-0.3%	-0.4%	-0.7%	-0.7%	-0.2%	-0.4%	-0.4%	-0.7%	-0.7%	-1.1%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Mitchell Elementary: Total Enrollment HIGH SCENARIO

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
K	85	83	81	79	78	78	79	79	80	80	81	79	78	77	76	74
1	63	89	86	84	82	81	81	82	82	83	83	84	84	83	82	81
2	78	65	91	88	86	84	83	83	84	84	85	85	86	86	85	84
3	74	80	66	92	89	87	85	84	84	85	86	86	86	87	87	86
4	78	75	81	67	93	90	88	86	85	85	86	87	87	87	88	88
5	74	80	76	82	68	94	91	89	87	86	86	87	88	88	88	89
Total: K-5	452	472	481	492	496	514	507	503	502	503	507	508	509	508	506	502
Total: K-5	452	472	481	492	496	514	507	503	502	503	507	508	509	508	506	502
Change		20	9	11	4	18	-7	-4	-1	1	4	1	1	-1	-2	-4
%Change		4.4%	1.9%	2.3%	0.8%	3.6%	-1.4%	-0.8%	-0.2%	0.2%	0.8%	0.2%	0.2%	-0.2%	-0.4%	-0.8%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

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Newman Elementary: Total Enrollment **HIGH SCENARIO**

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
K	101	99	97	94	92	91	92	93	94	95	95	94	93	92	91	90
1	92	105	103	101	98	96	95	96	97	98	99	99	98	97	96	95
2	100	95	108	106	104	100	98	97	98	99	100	101	101	100	99	98
3	103	101	96	109	108	106	102	100	99	100	101	102	103	103	102	101
4	100	104	102	97	111	110	108	104	102	101	102	103	104	105	105	104
5	118	102	105	103	98	113	112	110	106	104	103	104	105	106	107	107
Total: K-5	614	606	611	610	611	616	607	600	596	597	600	603	604	603	600	595
Total: K-5	614	606	611	610	611	616	607	600	596	597	600	603	604	603	600	595
Change		-8	5	-1	1	5	-9	-7	-4	1	3	3	1	-1	-3	-5
%Change		-1.3%	0.8%	-0.2%	0.2%	0.8%	-1.5%	-1.2%	-0.7%	0.2%	0.5%	0.5%	0.2%	-0.2%	-0.5%	-0.8%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

High Rock: Total Enrollment **HIGH SCENARIO**

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
6	446	438	446	438	461	424	476	470	467	461	455	455	464	470	471	472
Total 6	446	438	446	438	461	424	476	470	467	461	455	455	464	470	471	472
Total 6	446	438	446	438	461	424	476	470	467	461	455	455	464	470	471	472
Change	-4	-8	8	0	15	-37	52	-6	-3	-6	-6	0	9	6	1	1
% Change	-0.9%	-2.7%	-11%	0.0%	3.4%	-8.0%	12%	-1.3%	-0.6%	-1.3%	-1.3%	0.0%	2.0%	1.3%	0.2%	0.2%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Needham Public Schools Demographic Study – January 2023

Pollard Middle School: Total Enrollment **HIGH SCENARIO**

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
7	443	442	434	442	434	456	422	474	468	465	459	453	453	462	468	469
8	375	434	433	425	429	425	447	414	465	459	456	450	444	444	453	459
Total: 7-8	818	876	867	867	863	881	869	888	933	924	915	903	897	906	921	928
Total: 7-8	818	876	867	867	863	881	869	888	933	924	915	903	897	906	921	928
Change		58	-9	0	-4	18	-12	19	45	-9	-9	-12	-6	9	15	7
% Change		7.1%	-1.0%	0.0%	-0.5%	2.1%	-1.4%	2.2%	5.1%	-1.0%	-1.0%	-1.3%	-0.7%	1.0%	1.7%	0.8%

Red numbers are current enrollment; Orange cells are forecasted enrollment.

Needham High School: Total Enrollment **HIGH SCENARIO**

	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	3037-38
9	417	368	425	424	417	420	417	438	406	456	450	447	441	435	435	444
10	428	415	364	421	420	413	416	413	434	402	451	448	445	439	433	433
11	421	426	411	360	417	416	409	412	409	430	398	449	446	443	437	431
12	379	419	422	407	356	413	412	405	408	405	426	394	445	442	439	433
Total: 9-12	1645	1628	1622	1612	1610	1662	1654	1668	1657	1693	1725	1738	1777	1759	1744	1741
Total: 9-12	1645	1628	1622	1612	1610	1662	1654	1668	1657	1693	1725	1738	1777	1759	1744	1741
Change		-17	-6	-10	-2	52	-8	14	-11	36	32	13	39	-18	-15	-3
% Change		-1.0%	-0.4%	-0.6%	-0.1%	3.2%	-0.5%	0.8%	-0.7%	2.2%	1.9%	0.8%	2.2%	-1.0%	-0.9%	-0.2%

Red numbers are current enrollment; Orange cells are forecasted enrollment.