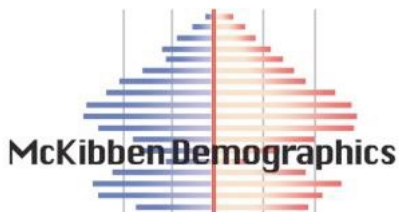# NEEDHAM PUBLIC SCHOOLS

POPULATION AND ENROLLMENT FORECASTS, 2022-23 THROUGH 2036-37

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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. (1.78 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 five 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 2031-32 school year in both scenarios. This will be due primarily to the fact that the rising 5th grade cohorts and the the incoming grade cohorts will be roughly the same size.

7.   In the Best-A scenario, the median age of the population will increase from 43.4 in 2020 to 46.1 in 2035. In the High scenario, the median age of the population will increase from 43.4 in 2020 to 45.9 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-A scenario, total district enrollment is forecasted to increase by 80 students, or 1.4%, between 2021-22 and 2026-27. Total enrollment is forecasted to increase by 41 students, or 0.7%, from 2026-27 to 2031-32. The total enrollment is forecasted to grow by 65 students, or 1.2%, from 2031-32 to 2036-37.

10.   In the High scenario, total district enrollment is forecasted to increase by 105 students, or 1.9%, between 2021-22 and 2026-27. Total enrollment is forecasted to increase by 93 students, or 1.7%, from 2026-27 to 2031-32. The total enrollment is forecasted to increase by 70 students, or 1.2%, from 2031-32 to 2036-37.

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 2021-22. Birth and death data for the years 2000 through 2019 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 2018. 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.

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 330 of the over 11,000 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 the Needham Public Schools as well as most other areas of the state and the nation during the previous 20 years, the rate of this decline has been forecasted to slow somewhat over the next ten years.

ASSUMPTIONS

For these forecasts, the mortality probabilities are held constant at the levels calculated for the year 2015. 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 ascertain the impacts of COVID-19 on mortality rates.

We assume that most areas will return to their traditional mortality rate levels by 2022.) 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 10% 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 1.78 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 a resident birth rate. Births that occur to women who then move into the district with their children are accounted for in the migration calculations.

A close examination of data for the 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 the which 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 the Needham Public Schools These issues have been used to modify the population forecast models to more accurately predict the impact of these factors 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 below 4.5% over the 15-year life of the forecasts;

c. The rate of mortgage approval stays at 2015-2020 levels and lenders do not return to "sub-prime" mortgage practices;

d. There are no additional restrictions placed on home mortgage lenders or additional bankruptcies of major credit providers;

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-A scenario, all currently platted, and approved housing developments are built out and completed by 2034. All

housing units constructed are occupied by 2035;

g. In the High scenario, all the aforementioned currently platted, and approved housing developments are built out and completed by 2034. Additionally, the Overlay project will be built out by 2030. 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 2020-21 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 regarding inter-district transfers, charter schools or school vouchers;

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 240 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;

u. In the Best-A scenario, the forecasts assume that an under 18-year-old COVID vaccine is discovered this fiscal year, becomes readily available and that school resumes normally for all students in SY 22/23;

v. The High scenario assumes that an under 18-year-old COVID vaccine is discovered this fiscal year, becomes readily available and that

school resumes normally for all students in SY 22/23 and the aforementioned development and the Overlay development.

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	1,950	1,900	1,920	1,840	1,830
5-9	2,488	2,350	2,430	2,190	2,300	2,290
10-14	2,467	2,650	2,500	2,600	2,340	2,450
15-19	1,863	2,040	2,250	2,090	2,190	1,950
20-24	981	950	1,070	1,160	1,090	1,180
25-29	713	780	750	880	1,010	910
30-34	979	1,400	1,470	1,440	1,510	1,580
35-39	1,755	1,800	2,220	2,290	2,190	2,250
40-44	2,293	2,090	2,120	2,820	2,920	2,840
45-49	2,523	2,270	2,210	2,120	2,800	2,900
50-54	2,419	2,480	2,260	2,200	2,100	2,770
55-59	2,045	2,380	2,440	2,210	2,140	2,040
60-64	1,801	2,000	2,290	2,370	2,130	2,070
65-69	1,185	1,670	1,840	2,170	2,240	1,980
70-74	874	1,090	1,530	1,750	2,040	2,060
75-79	830	820	1,020	1,440	1,600	1,870
80-84	776	760	760	940	1,350	1,470
85+	1,041	1,030	1,020	1,000	1,100	1,340
Total	**28,904**	**30,510**	**32,080**	**33,590**	**34,890**	**35,780**
Median Age	42.9	43.2	43.4	43.9	45.1	46.1
Births		1,230	1,260	1,270	1,310	1,290
Deaths		1,210	1,250	1,310	1,470	1,730
Natural Increase		20	10	-40	-160	-440
Net Migration		1,610	1,570	1,250	1,220	1,380
Change		*1,630*	*1,580*	*1,210*	*1,060*	*940*

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	400	380	390	380
5-9	562	520	520	450	470	470
10-14	545	600	540	550	480	500
15-19	340	410	460	440	440	370
20-24	138	120	190	230	200	220
25-29	97	70	50	130	180	160
30-34	127	220	200	200	250	280
35-39	378	320	420	370	360	410
40-44	465	500	440	580	540	520
45-49	512	460	500	440	580	530
50-54	441	500	460	500	430	570
55-59	394	430	500	450	480	430
60-64	329	390	420	480	430	470
65-69	207	290	340	380	440	400
70-74	172	170	240	300	340	390
75-79	155	160	150	220	270	310
80-84	142	140	150	140	210	250
85+	107	140	160	170	180	220
Total	**5,498**	**5,830**	**6,140**	**6,410**	**6,670**	**6880**
Median Age	41.9	42.7	43.3	43.9	45.2	46.2

		2010-2015	2015-2020	2020-2025	2025-2030	2030-2035	
Births		200	200	210	220	220	
Deaths		190	210	230	250	290	
Natural Increase		10	-10	-20	-30	-70	
Net Migration		320	320	60	280	270	
Change		*330*	*310*	*40*	*250*	*200*	

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	300	320	320	310	310
5-9	370	390	400	410	420	400
10-14	350	400	430	440	440	450
15-19	245	280	340	350	370	380
20-24	142	170	210	260	260	240
25-29	157	220	240	270	340	320
30-34	225	230	280	310	340	400
35-39	279	370	360	420	430	460
40-44	385	270	360	360	480	520
45-49	369	380	270	360	360	470
50-54	384	360	380	270	360	360
55-59	306	380	360	370	270	350
60-64	245	300	360	350	360	250
65-69	160	240	290	360	340	350
70-74	137	150	220	280	340	320
75-79	165	130	140	210	260	320
80-84	141	150	120	130	200	230
85+	197	200	200	180	180	200
Total	**4,537**	**4,920**	**5,280**	**5,650**	**6,060**	**6330**
Median Age	42.8	41.9	40.8	40.6	41.3	42.0

	2015	2020	2025	2030	2035
Births	230	250	250	270	280
Deaths	210	220	220	230	270
Natural Increase	20	30	30	40	10
Net Migration	360	350	330	110	310
Change	*380*	*380*	*360*	*150*	*320*

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	400	400	390	380	380
5-9	410	420	480	470	460	450
10-14	373	440	450	510	500	490
15-19	445	320	380	400	460	450
20-24	353	280	260	220	250	310
25-29	191	240	170	160	120	150
30-34	230	360	400	320	300	270
35-39	337	390	520	560	470	450
40-44	416	440	390	620	650	570
45-49	475	410	440	390	610	650
50-54	463	470	410	440	390	610
55-59	388	460	460	400	430	380
60-64	362	370	440	450	390	420
65-69	238	300	310	380	390	330
70-74	179	220	280	300	360	360
75-79	165	170	210	260	270	340
80-84	217	150	160	200	250	250
85+	449	380	320	280	270	290
Total	**6,030**	**6,220**	**6,480**	**6,750**	**6,950**	**7150**
Median Age	44.0	43.0	42.3	42.8	44.1	45.4

	2010	2015	2020	2025	2030	2035
Births		290	290	280	280	280
Deaths		360	320	300	310	340
Natural Increase		-70	-30	-20	-30	-60
Net Migration		280	270	260	250	240
Change		*210*	*240*	*240*	*220*	*180*

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	350	330	340	350	350
5-9	461	440	460	370	410	420
10-14	417	490	480	490	400	440
15-19	270	380	470	420	430	340
20-24	120	140	190	220	180	200
25-29	85	50	80	130	170	120
30-34	148	220	210	220	260	270
35-39	294	280	360	380	360	400
40-44	400	290	310	510	520	500
45-49	407	400	290	310	510	520
50-54	383	400	390	290	310	500
55-59	351	380	390	390	280	290
60-64	299	350	360	380	370	270
65-69	174	290	330	360	370	360
70-74	116	160	270	320	340	350
75-79	86	110	150	260	290	320
80-84	79	80	100	140	240	270
85+	88	90	90	100	140	200
Total	**4,521**	**4,900**	**5,260**	**5,630**	**5,930**	**6120**
Median Age	41.5	41.7	40.8	42.4	43.9	45.2
Births		190	200	220	240	220
Deaths		140	150	180	220	280
Natural Increase		50	50	40	20	-60
Net Migration		330	320	300	290	280
Change		*380*	*370*	*340*	*310*	*220*

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	510	450	490	410	410
5-9	685	580	570	490	540	550
10-14	783	720	600	610	520	570
15-19	563	650	600	480	490	410
20-24	230	240	220	230	200	210
25-29	183	200	210	190	200	160
30-34	249	370	380	390	360	360
35-39	467	440	560	560	570	530
40-44	628	590	620	750	730	730
45-49	761	620	710	620	740	730
50-54	749	750	620	700	610	730
55-59	607	730	730	600	680	590
60-64	566	590	710	710	580	660
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**	**8,640**	**8,920**	**9,150**	**9,280**	**9300**
Median Age	43.9	45.2	46.8	48.1	49.2	49.9
Births		320	320	310	300	290
Deaths		310	350	380	460	550
Natural Increase		10	-30	-70	-160	-260
Net Migration		320	310	300	290	280
Change		*330*	*280*	*230*	*130*	*20*

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	1,950	1,900	1,920	1,810	1,840
5-9	2,488	2,350	2,430	2,190	2,350	2,280
10-14	2,467	2,650	2,500	2,600	2,360	2,510
15-19	1,863	2,040	2,250	2,090	2,160	1,940
20-24	981	950	1,070	1,160	1,050	1,120
25-29	713	780	750	880	1,030	900
30-34	979	1,400	1,470	1,440	1,530	1,620
35-39	1,755	1,800	2,220	2,290	2,250	2,320
40-44	2,293	2,090	2,120	2,820	2,940	2,930
45-49	2,523	2,270	2,210	2,120	2,800	2,930
50-54	2,419	2,480	2,260	2,200	2,100	2,770
55-59	2,045	2,380	2,440	2,210	2,140	2,040
60-64	1,801	2,000	2,290	2,370	2,130	2,070
65-69	1,185	1,670	1,840	2,170	2,240	1,980
70-74	874	1,090	1,530	1,750	2,040	2,060
75-79	830	820	1,020	1,440	1,600	1,870
80-84	776	760	760	940	1,350	1,470
85+	1,041	1,030	1,020	1,000	1,100	1,340
Total	**28,904**	**30,510**	**32,080**	**33,590**	**34,980**	**35,990**
Median Age	42.9	43.2	43.4	43.9	45.0	45.9
Births		1,230	1,260	1,270	1,300	1,270
Deaths		1,210	1,250	1,310	1,470	1,730
Natural Increase		20	10	-40	-170	-460
Net Migration		1,610	1,570	1,250	1,220	1,490
Change		*1,630*	*1,580*	*1,210*	*1,050*	*1,030*

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

Broadmeadow Elementary Total Population   **HIGH SCENARIO**

	2010	2015	2020	2025	2030	2035
0-4	391	390	400	380	390	380
5-9	562	520	520	450	470	470
10-14	545	600	540	550	480	500
15-19	340	410	460	440	440	370
20-24	138	120	190	230	200	220
25-29	97	70	50	130	180	160
30-34	127	220	200	200	250	280
35-39	378	320	420	370	360	410
40-44	465	500	440	580	540	520
45-49	512	460	500	440	580	530
50-54	441	500	460	500	430	570
55-59	394	430	500	450	480	430
60-64	329	390	420	480	430	470
65-69	207	290	340	380	440	400
70-74	172	170	240	300	340	390
75-79	155	160	150	220	270	310
80-84	142	140	150	140	210	250
85+	107	140	160	170	180	220
Total	**5,498**	**5,830**	**6,140**	**6,410**	**6,670**	**6880**
Median Age	41.9	42.7	43.3	43.9	45.2	46.2
Births		200	200	210	220	220
Deaths		190	210	230	250	290
Natural Increase		10	-10	-20	-30	-70
Net Migration		320	320	60	280	270
Change		*330*	*310*	*40*	*250*	*200*

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

Eliot Elementary Total Population   HIGH SCENARIO

	2010	2015	2020	2025	2030	2035
0-4	281	300	320	320	280	320
5-9	370	390	400	410	470	390
10-14	350	400	430	440	460	510
15-19	245	280	340	350	340	370
20-24	142	170	210	260	220	180
25-29	157	220	240	270	360	310
30-34	225	230	280	310	360	440
35-39	279	370	360	420	490	530
40-44	385	270	360	360	500	610
45-49	369	380	270	360	360	500
50-54	384	360	380	270	360	360
55-59	306	380	360	370	270	350
60-64	245	300	360	350	360	250
65-69	160	240	290	360	340	350
70-74	137	150	220	280	340	320
75-79	165	130	140	210	260	320
80-84	141	150	120	130	200	230
85+	197	200	200	180	180	200
Total	**4,537**	**4,920**	**5,280**	**5,650**	**6,150**	**6540**
Median Age	42.8	41.9	40.8	40.6	41.0	41.8
Births		230	250	250	260	260
Deaths		210	220	220	230	270
Natural Increase		20	30	30	30	-10
Net Migration		360	350	330	110	420
Change		*380*	*380*	*360*	*140*	*410*

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	400	400	390	380	380
5-9	410	420	480	470	460	450
10-14	373	440	450	510	500	490
15-19	445	320	380	400	460	450
20-24	353	280	260	220	250	310
25-29	191	240	170	160	120	150
30-34	230	360	400	320	300	270
35-39	337	390	520	560	470	450
40-44	416	440	390	620	650	570
45-49	475	410	440	390	610	650
50-54	463	470	410	440	390	610
55-59	388	460	460	400	430	380
60-64	362	370	440	450	390	420
65-69	238	300	310	380	390	330
70-74	179	220	280	300	360	360
75-79	165	170	210	260	270	340
80-84	217	150	160	200	250	250
85+	449	380	320	280	270	290
Total	**6,030**	**6,220**	**6,480**	**6,750**	**6,950**	**7150**
Median Age	44.0	43.0	42.3	42.8	44.1	45.4
Births		290	290	280	280	280
Deaths		360	320	300	310	340
Natural Increase		-70	-30	-20	-30	-60
Net Migration		280	270	260	250	240
Change		*210*	*240*	*240*	*220*	*180*

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	350	330	340	350	350
5-9	461	440	460	370	410	420
10-14	417	490	480	490	400	440
15-19	270	380	470	420	430	340
20-24	120	140	190	220	180	200
25-29	85	50	80	130	170	120
30-34	148	220	210	220	260	270
35-39	294	280	360	380	360	400
40-44	400	290	310	510	520	500
45-49	407	400	290	310	510	520
50-54	383	400	390	290	310	500
55-59	351	380	390	390	280	290
60-64	299	350	360	380	370	270
65-69	174	290	330	360	370	360
70-74	116	160	270	320	340	350
75-79	86	110	150	260	290	320
80-84	79	80	100	140	240	270
85+	88	90	90	100	140	200
Total	**4,521**	**4,900**	**5,260**	**5,630**	**5,930**	**6120**
Median Age	41.5	41.7	40.8	42.4	43.9	45.2

		2015	2020	2025	2030	2035	
Births		190	200	220	240	220	
Deaths		140	150	180	220	280	
Natural Increase		50	50	40	20	-60	
Net Migration		330	320	300	290	280	
Change		*380*	*370*	*340*	*310*	*220*	

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	510	450	490	410	410
5-9	685	580	570	490	540	550
10-14	783	720	600	610	520	570
15-19	563	650	600	480	490	410
20-24	230	240	220	230	200	210
25-29	183	200	210	190	200	160
30-34	249	370	380	390	360	360
35-39	467	440	560	560	570	530
40-44	628	590	620	750	730	730
45-49	761	620	710	620	740	730
50-54	749	750	620	700	610	730
55-59	607	730	730	600	680	590
60-64	566	590	710	710	580	660
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**	**8,640**	**8,920**	**9,150**	**9,280**	**9300**
Median Age	43.9	45.2	46.8	48.1	49.2	49.9

	2015	2020	2025	2030	2035	
Births	320	320	310	300	290	
Deaths	310	350	380	460	550	
Natural Increase	10	-30	-70	-160	-260	
Net Migration	320	310	300	290	280	
Change	*330*	*280*	*230*	*130*	*20*	

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

Appendix C: Enrollment Forecasts—Best Scenario

Needham Public Schools Total Enrollment   **BEST SCENARIO**

	2021-22	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
PK	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
K	369	382	386	388	392	396	397	398	401	400	398	393	390	388	386	391
1	411	391	395	399	401	405	409	410	411	414	413	411	407	405	403	400
2	415	421	400	404	409	410	415	419	419	420	424	422	422	418	416	413
3	430	423	427	407	411	417	419	424	428	428	430	432	431	430	426	424
4	439	439	428	432	413	417	423	423	428	432	435	438	441	439	438	434
5	433	448	444	433	437	420	422	428	428	433	438	443	447	450	448	447
Total: K-5	**2497**	**2504**	**2480**	**2463**	**2463**	**2465**	**2485**	**2502**	**2515**	**2527**	**2538**	**2539**	**2538**	**2530**	**2517**	**2509**
6	**450**	**461**	**459**	**455**	**442**	**444**	**426**	**428**	**434**	**437**	**439**	**445**	**450**	**454**	**457**	**455**
7	383	459	468	466	462	446	448	430	432	441	441	443	447	452	456	459
8	445	379	450	459	457	457	442	444	426	428	439	439	441	445	450	454
Total: 7-8	**828**	**838**	**918**	**925**	**919**	**903**	**890**	**874**	**858**	**869**	**880**	**882**	**888**	**897**	**906**	**913**
9	431	449	377	448	457	455	455	440	442	424	426	437	437	439	443	448
10	420	429	445	373	444	452	450	450	436	438	420	424	435	435	437	441
11	377	418	425	441	369	440	447	446	446	432	434	418	422	433	433	435
12	441	375	414	421	437	365	436	443	442	442	428	430	414	418	429	429
SP	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Total: 9-12	**1677**	**1679**	**1669**	**1691**	**1715**	**1720**	**1796**	**1787**	**1774**	**1744**	**1716**	**1717**	**1716**	**1733**	**1750**	**1761**
Total: K-12	5526	5556	5600	5608	5613	5606	5671	5665	5655	5651	5647	5657	5666	5688	5704	5712
Change		30	44	8	5	-7	65	-6	-10	-4	-4	10	9	22	16	8
%Change		0.5%	0.8%	0.1%	0.1%	-0.1%	1.2%	-0.1%	-0.2%	-0.1%	-0.1%	0.2%	0.2%	0.4%	0.3%	0.1%
Total: K-5	2497	2504	2480	2463	2463	2465	2485	2502	2515	2527	2538	2539	2538	2530	2517	2509
Change		7	-24	-17	0	2	20	17	13	12	11	1	-1	-8	-13	-8
%Change		0.3%	-1.0%	-0.7%	0.0%	0.1%	0.8%	0.7%	0.5%	0.5%	0.4%	0.0%	0.0%	-0.3%	-0.5%	-0.3%
Total: 6	450	461	459	455	442	444	426	428	434	437	439	445	450	454	457	455
Change		11	-2	-4	-13	2	-18	2	6	3	2	6	5	4	3	-2
%Change		2.4%	-0.4%	-0.9%	-2.9%	0.5%	-4.1%	0.5%	1.4%	0.7%	0.5%	1.4%	1.1%	0.9%	0.7%	-0.4%
Total: 7-8	828	838	918	925	919	903	890	874	858	869	880	882	888	897	906	913
Change		10	80	7	-6	-16	-13	-16	-16	11	11	2	6	9	9	7
%Change		1.2%	9.5%	0.8%	-0.6%	-1.7%	-1.4%	-1.8%	-1.8%	1.3%	1.3%	0.2%	0.7%	1.0%	1.0%	0.8%
Total: 9-12	1677	1679	1669	1691	1715	1720	1796	1787	1774	1744	1716	1717	1716	1733	1750	1761
Change		2	-10	22	24	5	76	-9	-13	-30	-28	1	-1	17	17	11
%Change		0.1%	-0.6%	1.3%	1.4%	0.3%	4.4%	-0.5%	-0.7%	-1.7%	-1.6%	0.1%	-0.1%	1.0%	1.0%	0.6%

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

Broadmeadow Elementary: Total Enrollment   BEST SCENARIO

	2021-22	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
K	76	77	78	79	80	82	83	83	84	84	83	82	81	80	79	80
1	87	79	80	81	82	83	85	86	86	87	87	86	85	84	83	82
2	84	90	81	82	83	84	85	87	88	88	89	89	89	88	87	85
3	97	87	92	83	84	85	87	88	90	91	91	91	91	91	90	89
4	80	99	88	93	84	85	86	86	87	89	90	92	92	92	92	91
5	92	82	100	89	94	85	84	85	85	86	88	91	93	93	93	93
Total: K-5	516	514	519	507	507	504	510	515	520	525	528	531	531	528	524	520
Total: K-5	516	514	519	507	507	504	510	515	520	525	528	531	531	528	524	520
Change		-2	5	-12	0	-3	6	5	5	5	3	3	0	-3	-4	-4
%Change		-0.4%	1.0%	-2.3%	0.0%	-0.6%	1.2%	1.0%	1.0%	1.0%	0.6%	0.6%	0.0%	-0.6%	-0.8%	-0.8%

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

Eliot Elementary: Total Enrollment   BEST SCENARIO

	2021-22	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
K	73	74	74	73	73	72	72	71	71	70	70	69	69	70	71	72
1	68	76	75	75	74	74	73	73	72	72	71	71	70	70	71	72
2	69	69	78	77	77	75	75	74	74	73	74	73	73	72	72	73
3	75	70	70	80	78	78	76	76	75	75	74	75	74	74	73	73
4	75	77	71	71	81	79	79	77	77	76	77	75	77	75	75	74
5	71	77	78	72	72	82	80	80	78	78	78	79	77	79	77	77
Total: K-5	431	443	446	448	455	460	455	451	447	444	444	442	440	440	439	441
Total: K-5	431	443	446	448	455	460	455	451	447	444	444	442	440	440	439	441
Change		12	3	2	7	5	-5	-4	-4	-3	0	-2	-2	0	-1	2
%Change		2.8%	0.7%	0.4%	1.6%	1.1%	-1.1%	-0.9%	-0.9%	-0.7%	0.0%	-0.5%	-0.5%	0.0%	-0.2%	0.5%

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

Sunita Williams Elementary: Total Enrollment BEST SCENARIO

	2021-22	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
K	76	80	81	81	82	82	81	81	80	80	79	78	77	76	75	77
1	89	81	82	83	83	84	84	83	83	82	82	81	80	79	78	77
2	86	92	83	84	85	85	87	87	85	85	84	84	83	82	81	80
3	79	88	93	84	85	87	87	89	89	87	87	86	87	85	84	83
4	90	81	89	94	85	86	88	88	90	90	90	90	89	90	88	87
5	86	92	82	90	95	87	88	90	90	92	92	92	93	92	93	91
Total: K-5	**506**	**514**	**510**	**516**	**515**	**511**	**515**	**518**	**517**	**516**	**514**	**511**	**509**	**504**	**499**	**495**
Total: K-5	506	514	510	516	515	511	515	518	517	516	514	511	509	504	499	495
Change		8	-4	6	-1	-4	4	3	-1	-1	-2	-3	-2	-5	-5	-4
%Change		1.6%	-0.8%	1.2%	-0.2%	-0.8%	0.8%	0.6%	-0.2%	-0.2%	-0.4%	-0.6%	-0.4%	-1.0%	-1.0%	-0.8%

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

Mitchell Elementary: Total Enrollment BEST SCENARIO

	2021-22	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
K	60	65	66	67	68	69	69	70	71	71	72	71	71	71	71	71
1	74	66	68	69	70	71	72	72	73	74	74	75	75	76	76	75
2	74	75	67	69	71	72	73	74	74	75	76	75	77	77	78	78
3	78	75	76	68	70	72	73	74	75	75	77	77	76	78	78	79
4	73	80	76	77	69	71	73	74	75	76	76	78	78	77	79	79
5	91	74	81	77	78	70	72	74	75	76	77	77	79	79	78	80
Total: K-5	**450**	**435**	**434**	**427**	**426**	**425**	**432**	**438**	**443**	**447**	**452**	**453**	**456**	**458**	**460**	**462**
Total: K-5	450	435	434	427	426	425	432	438	443	447	452	453	456	458	460	462
Change		-15	-1	-7	-1	-1	7	6	5	4	5	1	3	2	2	2
%Change		-3.3%	-0.2%	-1.6%	-0.2%	-0.2%	1.6%	1.4%	1.1%	0.9%	1.1%	0.2%	0.7%	0.4%	0.4%	0.4%

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

Newman Elementary: Total Enrollment   BEST SCENARIO

	2021-22	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
K	84	86	87	88	89	91	92	93	95	95	94	93	92	91	90	91
1	93	89	90	91	92	93	95	96	97	99	99	98	97	96	95	94
2	102	95	91	92	93	94	95	97	98	99	101	101	100	99	98	97
3	101	103	96	92	94	95	96	97	99	100	101	103	103	102	101	100
4	121	102	104	97	94	96	97	98	99	101	102	103	105	105	104	103
5	93	123	103	105	98	96	98	99	100	101	103	104	105	107	107	106
Total: K-5	**594**	**598**	**571**	**565**	**560**	**565**	**573**	**580**	**588**	**595**	**600**	**602**	**602**	**600**	**595**	**591**
Total: K-5	594	598	571	565	560	565	573	580	588	595	600	602	602	600	595	591
Change		*4*	*-27*	*-6*	*-5*	*5*	*8*	*7*	*8*	*7*	*5*	*2*	*0*	*-2*	*-5*	*-4*
%Change		*0.7%*	*-4.5%*	*-1.1%*	*-0.9%*	*0.9%*	*1.4%*	*1.2%*	*1.4%*	*1.2%*	*0.8%*	*0.3%*	*0.0%*	*-0.3%*	*-0.8%*	*-0.7%*

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

High Rock: Total Enrollment   BEST SCENARIO

	2021-22	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
6	450	461	459	455	442	444	426	428	434	437	439	445	450	454	457	455
Total 6	**450**	**461**	**459**	**455**	**442**	**444**	**426**	**428**	**434**	**437**	**439**	**445**	**450**	**454**	**457**	**455**
Total 6	450	461	459	455	442	444	426	428	434	437	439	445	450	454	457	455
Change		*11*	*-2*	*-6*	*-17*	*2*	*-18*	*2*	*6*	*3*	*2*	*6*	*5*	*4*	*3*	*-2*
% Change		*2%*	*-8.0%*	*-1.3%*	*-3.7%*	*0.5%*	*-4.1%*	*0.5%*	*1.4%*	*0.7%*	*0.5%*	*1.4%*	*1.1%*	*0.9%*	*0.7%*	*-0.4%*

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

Pollard Middle School: Total Enrollment   BEST SCENARIO

	2021-22	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
7	383	459	468	466	462	446	448	430	432	441	441	443	447	452	456	459
8	445	379	450	459	457	457	442	444	426	428	439	439	441	445	450	454
Total: 7-8	**828**	**838**	**918**	**925**	**919**	**903**	**890**	**874**	**858**	**869**	**880**	**882**	**888**	**897**	**906**	**913**
Total: 7-8	828	838	918	925	919	903	890	874	858	869	880	882	888	897	906	913
Change		*10*	*80*	*7*	*-6*	*-16*	*-13*	*-16*	*-16*	*11*	*11*	*2*	*6*	*9*	*9*	*7*
% Change		*1.2%*	*9.5%*	*0.8%*	*-0.6%*	*-1.7%*	*-1.4%*	*-1.8%*	*-1.8%*	*1.3%*	*1.3%*	*0.2%*	*0.7%*	*1.0%*	*1.0%*	*0.8%*

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

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

	2021-22	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
9	431	449	377	448	457	455	455	440	442	424	426	437	437	439	443	448
10	420	429	445	373	444	452	450	450	436	438	420	424	435	435	437	441
11	377	418	425	441	369	440	447	446	446	432	434	418	422	433	433	435
12	441	375	414	421	437	365	436	443	442	442	428	430	414	418	429	429
Total: 9-12	1669	1671	1661	1683	1707	1712	1788	1779	1766	1736	1708	1709	1708	1725	1742	1753
Total: 9-12	1669	1671	1661	1683	1707	1712	1788	1779	1766	1736	1708	1709	1708	1725	1742	1753
Change		2	-10	22	24	5	76	-9	-13	-30	-28	1	-1	17	17	11
% Change		0.1%	-0.6%	1.3%	1.4%	0.3%	4.4%	-0.5%	-0.7%	-1.7%	-1.6%	0.1%	-0.1%	1.0%	1.0%	0.6%

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

Appendix D: Enrollment Forecasts—High Scenario

Needham Public Schools Total Enrollment   **HIGH SCENARIO**

	2021-22	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
PK	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
K	369	382	386	389	398	407	409	409	410	408	404	398	394	390	388	393
1	411	391	395	399	403	412	418	420	420	421	419	415	410	407	403	400
2	415	421	400	404	409	414	423	429	430	430	431	428	426	420	417	412
3	430	423	427	407	411	418	424	433	439	440	441	440	438	435	428	425
4	439	439	428	432	413	418	425	428	438	444	447	450	449	447	444	437
5	433	448	444	433	437	421	424	430	434	444	450	455	459	458	456	453
Total: K-5	2497	2504	2480	2464	2471	2490	2523	2549	2571	2587	2592	2586	2576	2557	2536	2520
6	450	461	459	455	442	444	427	430	436	443	451	457	462	466	465	463
7	383	459	468	466	462	446	448	431	434	443	447	456	459	464	468	467
8	445	379	450	459	457	457	442	444	427	430	441	445	454	457	462	466
Total: 7-8	828	838	918	925	919	903	890	875	861	873	888	901	913	921	930	933
9	431	449	377	448	457	455	455	440	442	425	428	439	443	452	455	460
10	420	429	445	373	444	452	450	450	436	438	421	426	437	441	450	453
11	377	418	425	441	369	440	447	446	446	432	434	419	424	435	439	448
12	441	375	414	421	437	365	436	443	442	442	428	430	415	420	431	435
SP	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Total: 9-12	1677	1679	1669	1691	1715	1720	1796	1787	1774	1745	1719	1722	1727	1756	1783	1804
Total: K-12	5526	5556	5600	5609	5621	5631	5710	5715	5716	5722	5724	5740	5752	5774	5788	5794
Change		30	44	9	12	10	79	5	1	6	2	16	12	22	14	6
% Change		0.5%	0.8%	0.2%	0.2%	0.2%	1.4%	0.1%	0.0%	0.1%	0.0%	0.3%	0.2%	0.4%	0.2%	0.1%
Total: K-5	2497	2504	2480	2464	2471	2490	2523	2549	2571	2587	2592	2586	2576	2557	2536	2520
Change		7	-24	-16	7	19	33	26	22	16	5	-6	-10	-19	-21	-16
% Change		0.3%	-1.0%	-0.6%	0.3%	0.8%	1.3%	1.0%	0.9%	0.6%	0.2%	-0.2%	-0.4%	-0.7%	-0.8%	-0.6%
Total: 6	450	461	459	455	442	444	427	430	436	443	451	457	462	466	465	463
Change		11	-2	-4	-13	2	-17	3	6	7	8	6	5	4	-1	-2
% Change		2.4%	-0.4%	-0.9%	-2.9%	0.5%	-3.8%	0.7%	1.4%	1.6%	1.8%	1.3%	1.1%	0.9%	-0.2%	-0.4%
Total: 7-8	828	838	918	925	919	903	890	875	861	873	888	901	913	921	930	933
Change		10	80	7	-6	-16	-13	-15	-14	12	15	13	12	8	9	3
% Change		1.2%	9.5%	0.8%	-0.6%	-1.7%	-1.4%	-1.7%	-1.6%	1.4%	1.7%	1.5%	1.3%	0.9%	1.0%	0.3%
Total: 9-12	1677	1679	1669	1691	1715	1720	1796	1787	1774	1745	1719	1722	1727	1756	1783	1804
Change		2	-10	22	24	5	76	-9	-13	-29	-26	3	5	29	27	21
% Change		0.1%	-0.6%	1.3%	1.4%	0.3%	4.4%	-0.5%	-0.7%	-1.6%	-1.5%	0.2%	0.3%	1.7%	1.5%	1.2%

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

Broadmeadow Elementary: Total Enrollment HIGH SCENARIO

	2021-22	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
K	76	77	78	79	80	82	83	83	84	84	83	82	81	80	79	80
1	87	79	80	81	82	83	85	86	86	87	87	86	85	84	83	82
2	84	90	81	82	83	84	85	87	88	88	89	89	89	88	87	85
3	97	87	92	83	84	85	87	88	90	91	91	91	91	91	90	89
4	80	99	88	93	84	85	86	86	87	89	90	92	92	92	92	91
5	92	82	100	89	94	85	84	85	85	86	88	91	93	93	93	93
Total: K-5	**516**	**514**	**519**	**507**	**507**	**504**	**510**	**515**	**520**	**525**	**528**	**531**	**531**	**528**	**524**	**520**
Total: K-5	516	514	519	507	507	504	510	515	520	525	528	531	531	528	524	520
Change		-2	5	-12	0	-3	6	5	5	5	3	3	0	-3	-4	-4
% Change		-0.4%	1.0%	-2.3%	0.0%	-0.6%	1.2%	1.0%	1.0%	1.0%	0.6%	0.6%	0.0%	-0.6%	-0.8%	-0.8%

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

Eliot Elementary: Total Enrollment   HIGH SCENARIO

	2021-22	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
K	73	74	74	74	79	83	84	82	80	78	76	74	73	72	73	74
1	68	76	75	75	76	81	82	83	81	79	77	75	73	72	71	72
2	69	69	78	77	77	79	83	84	85	83	81	79	77	74	73	72
3	75	70	70	80	78	79	81	85	86	87	85	83	81	79	75	74
4	75	77	71	71	81	80	81	82	87	88	89	87	85	83	81	77
5	71	77	78	72	72	83	82	82	84	89	90	91	89	87	85	83
Total: K-5	**431**	**443**	**446**	**449**	**463**	**485**	**493**	**498**	**503**	**504**	**498**	**489**	**478**	**467**	**458**	**452**
Total: K-5	431	443	446	449	463	485	493	498	503	504	498	489	478	467	458	452
Change		12	3	3	14	22	8	5	5	1	-6	-9	-11	-11	-9	-6
% Change		2.8%	0.7%	0.7%	3.1%	4.8%	1.6%	1.0%	1.0%	0.2%	-1.2%	-1.8%	-2.2%	-2.3%	-1.9%	-1.3%

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

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

	2021-22	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
K	76	80	81	81	82	82	81	81	80	80	79	78	77	76	75	77
1	89	81	82	83	83	84	84	83	83	82	82	81	80	79	78	77
2	86	92	83	84	85	85	87	87	85	85	84	84	83	82	81	80
3	79	88	93	84	85	87	87	89	89	87	87	86	87	85	84	83
4	90	81	89	94	85	86	88	88	90	90	90	90	89	90	88	87
5	86	92	82	90	95	87	88	90	90	92	92	92	93	92	93	91
Total: K-5	**506**	**514**	**510**	**516**	**515**	**511**	**515**	**518**	**517**	**516**	**514**	**511**	**509**	**504**	**499**	**495**
Total: K-5	506	514	510	516	515	511	515	518	517	516	514	511	509	504	499	495
Change		8	-4	6	-1	-4	4	3	-1	-1	-2	-3	-2	-5	-5	-4
% Change		1.6%	-0.8%	1.2%	-0.2%	-0.8%	0.8%	0.6%	-0.2%	-0.2%	-0.4%	-0.6%	-0.4%	-1.0%	-1.0%	-0.8%

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

Mitchell Elementary: Total Enrollment **HIGH SCENARIO**

	2021-22	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
K	60	65	66	67	68	69	69	70	71	71	72	71	71	71	71	71
1	74	66	68	69	70	71	72	72	73	74	74	75	75	76	76	75
2	74	75	67	69	71	72	73	74	74	75	76	75	77	77	78	78
3	78	75	76	68	70	72	73	74	75	75	77	77	76	78	78	79
4	73	80	76	77	69	71	73	74	75	76	76	78	78	77	79	79
5	91	74	81	77	78	70	72	74	75	76	77	77	79	79	78	80
Total: K-5	**450**	**435**	**434**	**427**	**426**	**425**	**432**	**438**	**443**	**447**	**452**	**453**	**456**	**458**	**460**	**462**
Total: K-5	450	435	434	427	426	425	432	438	443	447	452	453	456	458	460	462
Change		-15	-1	-7	-1	-1	7	6	5	4	5	1	3	2	2	2
% Change		-3.3%	-0.2%	-1.6%	-0.2%	-0.2%	1.6%	1.4%	1.1%	0.9%	1.1%	0.2%	0.7%	0.4%	0.4%	0.4%

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

Newman Elementary: Total Enrollment   HIGH SCENARIO

	2021-22	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
K	84	86	87	88	89	91	92	93	95	95	94	93	92	91	90	91
1	93	89	90	91	92	93	95	96	97	99	99	98	97	96	95	94
2	102	95	91	92	93	94	95	97	98	99	101	101	100	99	98	97
3	101	103	96	92	94	95	96	97	99	100	101	103	103	102	101	100
4	121	102	104	97	94	96	97	98	99	101	102	103	105	105	104	103
5	93	123	103	105	98	96	98	99	100	101	103	104	105	107	107	106
Total: K-5	594	598	571	565	560	565	573	580	588	595	600	602	602	600	595	591
Total: K-5	594	598	571	565	560	565	573	580	588	595	600	602	602	600	595	591
Change		4	-27	-6	-5	5	8	7	8	7	5	2	0	-2	-5	-4
% Change		0.7%	-4.5%	-1.1%	-0.9%	0.9%	1.4%	1.2%	1.4%	1.2%	0.8%	0.3%	0.0%	-0.3%	-0.8%	-0.7%

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

High Rock: Total Enrollment   HIGH SCENARIO

	2021-22	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
6	450	461	459	455	442	444	427	430	436	443	451	457	462	466	465	463
Total 6	450	461	459	455	442	444	427	430	436	443	451	457	462	466	465	463
Total 6	450	461	459	455	442	444	427	430	436	443	451	457	462	466	465	463
Change	56	11	-2	-6	-17	2	-17	3	6	7	8	6	5	4	-1	-2
% Change		2.4%	-8.0%	-1.3%	-3.7%	0.5%	-3.8%	0.7%	1.4%	1.6%	1.8%	1.3%	1.1%	0.9%	-0.2%	-0.4%

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

Pollard Middle School: Total Enrollment   HIGH SCENARIO

	2021-22	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
7	383	459	468	466	462	446	448	431	434	443	447	456	459	464	468	467
8	445	379	450	459	457	457	442	444	427	430	441	445	454	457	462	466
Total: 7-8	828	838	918	925	919	903	890	875	861	873	888	901	913	921	930	933
Total: 7-8	828	838	918	925	919	903	890	875	861	873	888	901	913	921	930	933
Change		10	80	7	-6	-16	-13	-15	-14	12	15	13	12	8	9	3
% Change		1.2%	9.5%	0.8%	-0.6%	-1.7%	-1.4%	-1.7%	-1.6%	1.4%	1.7%	1.5%	1.3%	0.9%	1.0%	0.3%

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

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

	2021-22	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
9	431	449	377	448	457	455	455	440	442	425	428	439	443	452	455	460
10	420	429	445	373	444	452	450	450	436	438	421	426	437	441	450	453
11	377	418	425	441	369	440	447	446	446	432	434	419	424	435	439	448
12	441	375	414	421	437	365	436	443	442	442	428	430	415	420	431	435
Total: 9-12	1669	1671	1661	1683	1707	1712	1788	1779	1766	1737	1711	1714	1719	1748	1775	1796
Total: 9-12	1669	1671	1661	1683	1707	1712	1788	1779	1766	1737	1711	1714	1719	1748	1775	1796
Change		2	-10	22	24	5	76	-9	-13	-29	-26	3	5	29	27	21
% Change		0.1%	-0.6%	1.3%	1.4%	0.3%	4.4%	-0.5%	-0.7%	-1.6%	-1.5%	0.2%	0.3%	1.7%	1.5%	1.2%

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