# 2016-17 Enrollment Projections 

TO: Timothy J. Farmer, Superintendent of Schools, Sharon, MA<br>FROM: Donald G. Kennedy, Ed.D., Demographic Specialist<br>DATE: $\quad$ March 6, 2017<br>RE:<br>Enrollment Projections (related to projections of January 11, 2017)

We are pleased to send you the enclosed documents displaying the past, present, and projected enrollments for the Sharon School District. We have used the figures given to us by the District and we assume that the method of collecting the enrollment data has been consistent from year to year. It is worth noting that this time of transition is the most difficult of the past 25 years to reliably forecast future enrollments, due to the irregular/uneven pace of communities recovering from the effects of the economic cycle upon real estate markets and school enrollments.

NESDEC's enrollment projection totals from fall of 2014 data came within 121 students of the actual Grade K-12 enrollment total for fall, 2016 ( 3,541 projected v. 3,420 actual) - no data was sent to NESDEC in 2015-16, thus the forecast for 2016-17 was based upon data that was two years old. We have adjusted the ratios for future projections. In Grades K-5, 1,544 pupils were projected v. 1,511 enrolled; in Grades 6-8, 897 pupils were projected v. 851 registered; and in Grades 9-12, 1,100 pupils were forecast v. 1,058 enrolled.

The two factors now at work which will have the greatest effect upon future enrollments are: a. a fairly steady number of births to Sharon residents and, b. substantial in-migration of new families - which had slowed, due to the 2008 Recession. The students currently in Grades 1-10 were born during a period when Sharon was averaging 151 births per year. More recently (and expected over the next 6-7 years) are 130-148 births annually... averaging about 141 births per year, 10 fewer per year than previously. Hard-hit Connecticut experienced an $8.6 \%$ decline in births from 2007 to 2009 (in part caused by the economic Recession), the largest decline among the six New England states - followed by an $8.1 \%$ decline in Rhode Island births, the two states with the highest rates of unemployment in the New England region - Massachusetts births declined by only -3.9\% over these three years. Economists are forecasting a slow-yet-steady recovery from the current rates of unemployment which, in turn, may lead to additional in-migration and
births. The unemployment rate as of December, 2016 in RI was 4.9\%; US non-farm unemployment 4.7\%; CT 4.4\%; ME 3.8\%; New England average 3.6\%; VT 3.2\%; MA 3.1 \% and NH 2.7\% - other nearby states: PA $5.4 \%$; NY $4.8 \%$; and NJ 4.7\%. The rate of unemployment influences the likelihood of improving real estate sales, residential construction and thus affects the number of new families moving into the community - the US unemployment rate was above $10 \%$ during the Great Recession of 2008.

The ever-changing relationship between Sharon births and Kindergarten enrollments is displayed on the B-K graph. Sharon, over the past seven years, has registered about 150 Kindergarteners for every 100 births (five years previous), a relationship which has been slightly increasing. This fall there were 163 Kindergarteners for every 100 births as opposed to the 126 Kindergarteners for every 100 births in 2013-14. NESDEC Kindergarten projections (from two-year old data) for 2015-16 anticipated 201 children v. 212 enrolled. Next year's Grade 1 is expected to be about $+22 \%$ larger than the previous year's Kindergarten class - partly a function of the high cost of Sharon real estate at this time.
"Hidden Trends" within the district: Like many nearby communities, Sharon continues to experience fluctuations in enrollment and in/out-migration in Grades 1-8. There are additional trends and counter-trends to consider. More so than other grade levels, Grades 1-8 in most districts tend to be quite stable in their numbers. Grades 9-12 are excluded from the calculation as there tends to be a $-2 \%$ decrease for reasons having little to do with students moving out of the community. Regarding the Grade 1-8 stability, if last year the Grade 1-7 total was 1,800 children, then (if no one moved in or out) this fall's Grades 2-8 would equal about 1,800 - the same cohort of children. Because Grades 1-8 tend to be the most stable in total K-12 enrollment, these Grades 1-8 are excellent places to discover "hidden trends" that otherwise might go unnoticed and provide a useful yardstick by which to measure a district's tendency toward in-/out-migration. In the case of Sharon, we know that the school district is currently experiencing "net inmigration" of families with school age children. For example, the 1,822 children in Grades 1-7 in 2014-15 increased by 30 children to 1,861 students in Grades 2-8 in 2015-16, and the 1,843 children in Grades 1-7 in 2015-16 increased by 72 children to 1,915 students in Grades 2-8 in 2016-17. These fluctuations have averaged about +76 students per year for the last five years. The presence of an in-migration trend is evidence of the complexity of enrollments in these unsettled economic times. Analysis of these hidden trends provides an additional benchmark by which to assess enrollment trends.

Over the next three years of these preliminary projections, K-5 enrollments are forecast to increase by $\mathbf{2 5 0}$ children; Grades 68 to grow by 48 students; and the high school level to increase by about 41 pupils...all within the next three years - as the larger classes move up the grades. After that point these projections show an increase in enrollment in Grades K-5 of 183 students; Grades 6-8 an increase of 299 pupils; and a rise of 217 pupils in Grades $9-12$ - as classes age their way through the grades. That said, it is possible that real estate turnover will have increased further, bringing in additional new families - see the "Projections" page. Although the Year \#1-3 forecast likely will occur, the longer-term future is better viewed as a possible
direction which may be affected by improved real estate conditions. That longer-term future also will be affected by the real estate market and the number of babies-yet-to-be-born...it is quite likely that the birth numbers will increase as the new families move in.

Will these patterns of increasing enrollments really last for as long as ten years? That is difficult to answer. All projections are more reliable for Years \#1-5 in the future; and less reliable in Years \#6-10 - as some many factors can change. As soon as the economy and real estate situation becomes more stable in the region, additional in-migration may occur in Sharon. Many communities in the region sold during 2008-2014 only about $60-80 \%$ as many homes as in 2003-2007. In the case of Sharon, an average of 217 single-family homes were being sold in 2003-07; this pace declined to only 164 homes sold in 2010 ( $76 \%$ of the earlier pace). However, 268 homes were sold in 2013 and 245 homes in 2016, as the community recovered its stronger pace in real estate sales. Similarly, an average of 23 condos was being sold annually prior to the Recession. That rate declined to only 16 units sold in 2011 ( $48 \%$ of the earlier pace); more recently sales have increased to 33 condo units in 2015, and 22 units in 2016. Building permits had slowed as well; see the "Additional Data" table below. As additional families move in, any forecasted declines may moderate. See the description on Page 4 below regarding "reliability of projections". The birth numbers used in the projections, through 2015, are from the MA Department of Public Health. The "estimated" years, beginning with 2016 are a rolling five-year average, which NESDEC has found to be the most accurate method of estimation. Local City/Town Clerks have up-to-date information on local births however do not have access to the number of Sharon residents born out-of-state (information which will eventually become known to the MA DPH).

The two most difficult grades to forecast in all districts are Kindergarten and Grade 9. The latter is difficult to anticipate, as there are so many options for Grade 9 (in vocational or agricultural schools, private or parochial non-public schools, etc.). Kindergarten can be difficult to project based upon births alone, as many districts have large numbers of "net move-ins/move-outs" who are ages 1-4. Some districts take extra steps to track 3 and 4-year olds with a local census, or report to NESDEC the known number of 4year olds in local preschools/nursery schools which typically enroll Kindergarteners in the district. Knowing this information helps NESDEC to project Kindergarteners more reliably...as does data from the Kindergarten Screening in districts which also track 3 and 4-year old siblings (or neighbors) at that time. The more data, in addition to births, which is sent to NESDEC regarding the incoming Kindergarten class, the greater is the chance that "enrollment surprises" will be minimized.

Will many new families be moving into our school district? Everyday across America, 10,000 "Baby Boomers" celebrate their $65^{\text {th }}$ birthday - a phenomenon which will continue for a decade. New England has a disproportionately large share of these senior citizens, many of whom had planned to "downsize" their living arrangements, yet postponed putting homes on the market due to the Great Recession. School enrollments are influenced strongly by the number of real estate sales, as these contribute new families moving
into many districts. In over $80 \%$ of districts, the number of real estate sales is $4-5$ times larger than the number of building permits for new residential construction - thus the number of real estate sales often is a more important factor than building permits.

In New England, how rapidly will additional homes be placed on the market? A mid-2014 study using data from the Federal Housing Finance Agency, Bureau of Economic Analysis and the U.S. Census Bureau directly links home prices to the "real Gross Domestic Product" (GDP) in each of the nine regions in the country. However New England ranks only $7^{\text {th }}$ among the 9 regions in the recovery of its regional economy (as measured in "the bubble" prior to the Recession, in "real GDP"). Comparing the regional economies from 2 Quarter of 2007 to 4 Quarter 2013: W. South Central = +18.6\% (that is, many jobs are available); W. North Central +11.8\%; Pacific $+7.4 \%$; E. South Central $+5.6 \%$; Middle Atlantic + 5.1\%; Mountain $+4.1 \%$; New England $+3.4 \%$; South Atlantic + $2.1 \%$; and E. North Central $+2.0 \%$. Home sales prices are $+14.6 \%$ in the W. South Central region (including Texas, Arkansas, Louisiana, and Oklahoma) with the strongest "real G.D.P." v. $-4.4 \%$ in New England. Thus, although real estate sales and rentals are very strong in some New England towns and cities, there are many senior citizens still refraining from placing their homes on the market - as house prices still may be rising. New England births, however, are likely to remain at low levels, due to the advanced age of the New England population.

## Analyzing Your Enrollment

## Historical Public Enrollments

1. After the "YEAR" column can be found the "BIRTHS" column. The number of births to residents for each of eleven years is displayed. Note any trends, e.g., have births been decreasing? increasing? leveling off? Kindergarten and Grade 1 enrollments normally are quite responsive to these fluctuations.
2. Look down the $K$ and 1 columns, noting the direction of the trend. This affords a comparison of these classes over a ten-year period. Add the K and Grade 1 enrollments of the first school year recorded, and compare them with the sum of the current K and Grade 1 enrollments.
3. Take the first K class and follow it diagonally to trace its movement to Grade 1 , 2 , etc. up to its current 10 th grade status. This comparison (which can be accomplished for other classes also) gives some measure of the effects of migration in your school district. If a sixth grade class today is larger than it was as a K class six years ago, then net in-migration probably has occurred; if it is smaller, then net out-migration probably has occurred.
4. Compare each K class with the previous year's graduating class. Note which is larger and by what amount one surpasses the other. Larger graduating classes generally reflect declining enrollments; larger K classes generally indicate increasing enrollments.
5. In the "Grade Combinations" section, note the trends of elementary, middle school and high school enrollments. A significant and consistent trend in these summaries usually results in the corresponding trend for projected enrollments. If enrollments are leveling off in the elementary grades after a period of decline, then the secondary enrollments might be expected to continue to decline for several years until the leveling off experience has had time to take hold at the secondary grades.

## Enrollment Projections

1. Note the trends exhibited in the total K-12 (or 1-12) projection for the next five years as well as the projections for various grade
combinations. The trends on this page should generally exhibit a continuation of the trends mentioned above for historical enrollments, although the rate of change may be quite different.
2. Look at the births in the most recent years and note whether the trend is up, down, or level.
3. Make similar comparisons as appropriate on this page as were suggested for the "Historical Public Enrollments" page.

## PROJECTION METHODOLOGY

Cohort component (survival) technique is a frequently used method of preparing enrollment forecasts. NESDEC uses this method, but modifies it in order to move away from forecasts which are wholly computer or formula driven. Such modification permits the incorporation of important, current town-specific information into the generation of the enrollment forecasts (such as the volume of real estate sales, building permits, in/outmigration, etc.). Basically, percentages are calculated from the historical enrollment data to determine a reliable percentage of increase or decrease in enrollment between any two grades. For example, if 100 students enrolled in Grade 1 in 2014-15, increased to 104 students in Grade 2 in 2015-16, the percentage of survival would have been $104 \%$ or a ratio of 1.04 . Such ratios are calculated between each pair of grades or years in school over several recent years.

After study and analysis of the historical ratios, and based upon a reasonable set of assumptions regarding births, migration rates, retention rates, etc., ratios most indicative of future growth patterns are determined for each pair of grades. The ratios thus selected are applied to the present enrollment statistics for a pre-determined number of years. The ratios used are the key factors in the reliability of the projections, given the validity of the data at the starting point. The strength of the ratios lies in the fact that each ratio encompasses collectively the variables that account for increases or decreases in the size of a grade enrollment as it moves on to the next grade. Each ratio represents the cumulative effect of the following factors:

1. Real estate turnover and new residential construction;
2. Migration, in or out, of the schools;
3. Drop-outs, transfers, etc.;
4. Births to residents;
5. Retention in the same grade.

## RELIABILITY OF ENROLLMENT PROJECTIONS

Projections can serve as useful guides to school administrators for educational planning. In this regard, the projections are generally most reliable when they are closest in time to the current year. Projections six to ten years out may serve as a guide to future enrollments, and are useful for facility planning purposes. However, they should be viewed as subject to change given the likelihood of changes in the underlying assumptions/trends.

Projections that are based upon the children who already are in the district (the current K -12 population only) will be the most reliable; the second level of reliability will be for those children already born into the community but not yet old enough to be in school. A less reliable category is the group for which an estimate must be made to predict the number of births, thereby adding an additional variable. See these three multi-colored groupings on the "Projected Enrollment" slide/page.

How often do the actual enrollments closely match the NESDEC projections? The research literature reports the closest that enrollment forecasters are likely to come to actual enrollments is about $1 \%$ variance per year-from-the-known-data. That is, a $1 \%$ variance from projection-toactual "one-year-out" into the future ( $2 \%$ variance "two-years-out" ... $10 \%$ variance "ten-years-out"). NESDEC reaches this "highest possible" standard in about $90 \%$ of cases. When our NESDEC variance is greater, the reasons often are one of the following: a. imbedded/intervening "hidden" variables (examples: a parochial school closed or other students returned from non-public schools, a charter school opened, the Kindergarten program changed entrance age or to extended/full-day, the high school toughened its course credit/graduation requirements, the District set new attendance boundaries for elementary schools, or the District had well-publicized budget/referendum academic accreditation difficulties); b. the District size was below 500 students, thus subject to fluctuations in total numbers; or c. the District has not done enrollment projections on an annual basis.

Annual updates allow for early identification of recent changes in historical trends. When the actual enrollment in a grade is significantly different (high or low) from the projected number, it is important (yet difficult) to determine whether this is a one-year aberration or whether a new trend may have begun. In light of this possibility, NESDEC urges all school districts to have updated enrollment forecasts developed by NESDEC each October. This service is available at no cost to affiliated school districts.

## Using This Information Electronically

If you would like to extract the information contained in this report for your own documents or presentations, you can use Adobe Acrobat reader to convert the desired information to a "snapshot," which can be inserted into PowerPoint slides, Word documents, etc. Because the snapshot tool creates a graphic, the image is not editable.

Steps for Using The Snapshot Tool in Adobe Acrobat Reader:

1. Click on Edit Menu (earlier versions of Adobe Reader might require you to click on the Tools menu and then choose "Select and Zoom;");
2. Choose "Take a Snapshot" (or "Snapshot Tool" in earlier versions);
3. Click and drag around the text, chart, and/or graphics that you would like to capture: your selection will be copied to the clipboard automatically;
4. Click in the document where you would like the information to appear;*
5. Give Paste command.

If you have an earlier version of Adobe Acrobat and these instructions don't work for you, contact your tech support person, or NESDEC and we will try to assist you. Telephone (508)481-9444 or ep@nesdec.org. Ask for Carol or Christina.
*You may paste your snapshot onto a PowerPoint slide, onto an Excel sheet, or even into a graphics program to save as a separate graphic file (in .jpg or other format), so that it is available for inserting into future documents.

## Sharon, MA Historical Enrollment

School District:

| Historical Enrollment By Grade |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Birth Year | Births | School Year | PK | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | UNGR | K-12 | PK-12 |
| 2001 | 164 | 2006-07 | 63 | 213 | 221 | 231 | 284 | 242 | 274 | 314 | 269 | 262 | 282 | 254 | 289 | 280 | 0 | 3415 | 3478 |
| 2002 | 181 | 2007-08 | 57 | 189 | 228 | 222 | 233 | 284 | 245 | 275 | 312 | 270 | 280 | 282 | 251 | 287 | 0 | 3358 | 3415 |
| 2003 | 162 | 2008-09 | 53 | 196 | 212 | 248 | 221 | 235 | 290 | 255 | 286 | 319 | 272 | 280 | 284 | 248 | 71 | 3417 | 3470 |
| 2004 | 190 | 2009-10 | 76 | 222 | 218 | 215 | 257 | 229 | 242 | 297 | 256 | 290 | 318 | 273 | 286 | 281 | 0 | 3384 | 3460 |
| 2005 | 144 | 2010-11 | 46 | 207 | 227 | 214 | 272 | 240 | 243 | 282 | 250 | 257 | 318 | 255 | 312 | 310 | 0 | 3387 | 3433 |
| 2006 | 140 | 2011-12 | 43 | 195 | 198 | 261 | 224 | 230 | 269 | 240 | 248 | 305 | 251 | 310 | 313 | 277 | 0 | 3321 | 3364 |
| 2007 | 155 | 2012-13 | 46 | 207 | 227 | 214 | 272 | 240 | 243 | 282 | 250 | 257 | 318 | 255 | 312 | 310 | 0 | 3387 | 3433 |
| 2008 | 149 | 2013-14 | 61 | 187 | 230 | 227 | 224 | 292 | 266 | 248 | 289 | 258 | 258 | 324 | 256 | 314 | 0 | 3373 | 3434 |
| 2009 | 102 | 2014-15 | 49 | 212 | 238 | 242 | 259 | 247 | 304 | 281 | 251 | 296 | 256 | 266 | 323 | 259 | 0 | 3434 | 3483 |
| 2010 | 125 | 2015-16 | 51 | 184 | 237 | 248 | 249 | 262 | 256 | 306 | 285 | 255 | 287 | 257 | 268 | 327 | 0 | 3421 | 3472 |
| 2011 | 130 | 2016-17 | 48 | 212 | 235 | 250 | 271 | 268 | 275 | 266 | 306 | 279 | 250 | 282 | 260 | 266 | 0 | 3420 | 3468 |


| Historical Enrollment in Grade Combinations |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | PK-5 | K-5 | K-6 | K-8 | $\mathbf{5 - 8}$ | $\mathbf{6 - 8}$ | $\mathbf{7 - 8}$ | $\mathbf{7 - 1 2}$ | $\mathbf{9 - 1 2}$ |
| $\mathbf{2 0 0 6 - 0 7}$ | 1528 | 1465 | 1779 | 2310 | 1119 | 845 | 531 | 1636 | 1105 |
| $\mathbf{2 0 0 7 - 0 8}$ | 1458 | 1401 | 1676 | 2258 | 1102 | 857 | 582 | 1682 | 1100 |
| $\mathbf{2 0 0 8 - 0 9}$ | 1455 | 1402 | 1657 | 2262 | 1150 | 860 | 605 | 1689 | 1084 |
| $\mathbf{2 0 0 9 - 1 0}$ | 1459 | 1383 | 1680 | 2226 | 1085 | 843 | 546 | 1704 | 1158 |
| $\mathbf{2 0 1 0 - 1 1}$ | 1449 | 1403 | 1685 | 2192 | 1032 | 789 | 507 | 1702 | 1195 |
| $\mathbf{2 0 1 1 - 1 2}$ | 1420 | 1377 | 1617 | 2170 | 1062 | 793 | 553 | 1704 | 1151 |
| $\mathbf{2 0 1 2 - 1 3}$ | 1449 | 1403 | 1685 | 2192 | 1032 | 789 | 507 | 1702 | 1195 |
| $\mathbf{2 0 1 3 - 1 4}$ | 1487 | 1426 | 1674 | 2221 | 1061 | 795 | 547 | 1699 | 1152 |
| $\mathbf{2 0 1 4 - 1 5}$ | 1551 | 1502 | 1783 | 2330 | 1132 | 828 | 547 | 1651 | 1104 |
| $\mathbf{2 0 1 5 - 1 6}$ | 1487 | 1436 | 1742 | 2282 | 1102 | 846 | 540 | 1679 | 1139 |
| $\mathbf{2 0 1 6 - 1 7}$ | 1559 | 1511 | 1777 | 2362 | 1126 | 851 | 585 | 1643 | 1058 |


| Historical Percentage Changes |  |  |  |
| :---: | :---: | :---: | :---: |
| Year | K-12 | Diff. | $\%$ |
| $\mathbf{2 0 0 6 - 0 7}$ | 3415 | 0 | $0.0 \%$ |
| $\mathbf{2 0 0 7 - 0 8}$ | 3358 | -57 | $-1.7 \%$ |
| $\mathbf{2 0 0 8 - 0 9}$ | 3417 | 59 | $1.8 \%$ |
| $\mathbf{2 0 0 9 - 1 0}$ | 3384 | -33 | $-1.0 \%$ |
| $\mathbf{2 0 1 0 - 1 1}$ | 3387 | 3 | $0.1 \%$ |
| $\mathbf{2 0 1 1 - 1 2}$ | 3321 | -66 | $-1.9 \%$ |
| $\mathbf{2 0 1 2 - 1 3}$ | 3387 | 66 | $2.0 \%$ |
| $\mathbf{2 0 1 3 - 1 4}$ | 3373 | -14 | $-0.4 \%$ |
| $\mathbf{2 0 1 4 - 1 5}$ | 3434 | 61 | $1.8 \%$ |
| $\mathbf{2 0 1 5 - 1 6}$ | 3421 | -13 | $-0.4 \%$ |
| $\mathbf{2 0 1 6 - 1 7}$ | 3420 | -1 | $0.0 \%$ |
| Change | $\mathbf{0 . 1 \%}$ |  |  |

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## Sharon, MA Historical Enrollment

PK-12, 2006-2016

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## Sharon, MA Projected Enrollment

| Enrollment Projections By Grade* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Birth Year | Births |  | School Year | PK | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | UNGR | K-12 | PK-12 |
| 2011 | 130 |  | 2016-17 | 48 | 212 | 235 | 250 | 271 | 268 | 275 | 266 | 306 | 279 | 250 | 282 | 260 | 266 | 0 | 3420 | 3468 |
| 2012 | 148 |  | 2017-18 | 50 | 256 | 259 | 247 | 272 | 288 | 279 | 284 | 268 | 308 | 274 | 251 | 284 | 261 | 0 | 3531 | 3581 |
| 2013 | 143 |  | 2018-19 | 52 | 247 | 313 | 272 | 269 | 289 | 300 | 288 | 286 | 270 | 302 | 276 | 252 | 286 | 0 | 3650 | 3702 |
| 2014 | 143 | 0 | 2019-20 | 54 | 247 | 302 | 329 | 296 | 286 | 301 | 310 | 291 | 288 | 265 | 304 | 277 | 253 | 0 | 3749 | 3803 |
| 2015 | 140 | (prov.) | 2020-21 | 56 | 242 | 302 | 317 | 358 | 315 | 298 | 311 | 313 | 293 | 282 | 267 | 306 | 279 | 0 | 3883 | 3939 |
| 2016 | 141 | (est.) | 2021-22 | 58 | 243 | 296 | 317 | 345 | 381 | 328 | 308 | 314 | 315 | 287 | 284 | 268 | 308 | 0 | 3994 | 4052 |
| 2017 | 143 | (est.) | 2022-23 | 60 | 247 | 297 | 311 | 345 | 367 | 397 | 339 | 311 | 316 | 309 | 289 | 286 | 269 | 0 | 4083 | 4143 |
| 2018 | 142 | (est.) | 2023-24 | 62 | 245 | 302 | 312 | 338 | 367 | 383 | 411 | 342 | 313 | 310 | 311 | 291 | 288 | 0 | 4213 | 4275 |
| 2019 | 142 | (est.) | 2024-25 | 64 | 245 | 300 | 317 | 339 | 359 | 383 | 396 | 415 | 344 | 307 | 312 | 313 | 293 | 0 | 4323 | 4387 |
| 2020 | 141 | (est.) | 2025-26 | 66 | 244 | 300 | 315 | 345 | 361 | 374 | 396 | 399 | 418 | 337 | 309 | 314 | 315 | 0 | 4427 | 4493 |
| 2021 | 142 | (est.) | 2026-27 | 68 | 245 | 298 | 315 | 343 | 367 | 376 | 387 | 399 | 402 | 410 | 339 | 311 | 316 | 0 | 4508 | 4576 |

*Projections should be updated on an annual basis in order to reflect changes in births, real estate sales, in-/out-migration of families, and housing construction.
$\square$ Based on an estimate of births
$\square$ Based on children already born $\qquad$ Based on students already enrolled

| Projected Enrollment in Grade Combinations* |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | PK-5 | K-5 | K-6 | K-8 | $\mathbf{5 - 8}$ | $\mathbf{6 - 8}$ | $\mathbf{7 - 8}$ | $\mathbf{7 - 1 2}$ | $\mathbf{9 - 1 2}$ |
| $\mathbf{2 0 1 6 - 1 7}$ | 1559 | 1511 | 1777 | 2362 | 1126 | 851 | 585 | 1643 | 1058 |
| $\mathbf{2 0 1 7 - 1 8}$ | 1651 | 1601 | 1885 | 2461 | 1139 | 860 | 576 | 1646 | 1070 |
| $\mathbf{2 0 1 8 - 1 9}$ | 1742 | 1690 | 1978 | 2534 | 1144 | 844 | 556 | 1672 | 1116 |
| $\mathbf{2 0 1 9 - 2 0}$ | 1815 | 1761 | 2071 | 2650 | 1190 | 889 | 579 | 1678 | 1099 |
| $\mathbf{2 0 2 0 - 2 1}$ | 1888 | 1832 | 2143 | 2749 | 1215 | 917 | 606 | 1740 | 1134 |
| $\mathbf{2 0 2 1 - 2 2}$ | 1968 | 1910 | 2218 | 2847 | 1265 | 937 | 629 | 1776 | 1147 |
| $\mathbf{2 0 2 2 - 2 3}$ | 2024 | 1964 | 2303 | 2930 | 1363 | 966 | 627 | 1780 | 1153 |
| $\mathbf{2 0 2 3 - 2 4}$ | 2009 | 1947 | 2358 | 3013 | 1449 | 1066 | 655 | 1855 | 1200 |
| $\mathbf{2 0 2 4 - 2 5}$ | 2007 | 1943 | 2339 | 3098 | 1538 | 1155 | 759 | 1984 | 1225 |
| $\mathbf{2 0 2 5 - 2 6}$ | 2005 | 1939 | 2335 | 3152 | 1587 | 1213 | 817 | 2092 | 1275 |
| $\mathbf{2 0 2 6 - 2 7}$ | 2012 | 1944 | 2331 | 3132 | 1564 | 1188 | 801 | 2177 | 1376 |


| Projected Percentage Changes |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Year | K-12 | Diff. | $\%$ |  |  |
| $\mathbf{2 0 1 6 - 1 7}$ | 3420 | 0 | $0.0 \%$ |  |  |
| $\mathbf{2 0 1 7 - 1 8}$ | 3531 | 111 | $3.2 \%$ |  |  |
| $\mathbf{2 0 1 8 - 1 9}$ | 3650 | 119 | $3.4 \%$ |  |  |
| $\mathbf{2 0 1 9 - 2 0}$ | 3749 | 99 | $2.7 \%$ |  |  |
| $\mathbf{2 0 2 0 - 2 1}$ | 3883 | 134 | $3.6 \%$ |  |  |
| $\mathbf{2 0 2 1 - 2 2}$ | 3994 | 111 | $2.9 \%$ |  |  |
| $\mathbf{2 0 2 2 - 2 3}$ | 4083 | 89 | $2.2 \%$ |  |  |
| $\mathbf{2 0 2 3 - 2 4}$ | 4213 | 130 | $3.2 \%$ |  |  |
| $\mathbf{2 0 2 4 - 2 5}$ | 4323 | 110 | $2.6 \%$ |  |  |
| $\mathbf{2 0 2 5 - 2 6}$ | 4427 | 104 | $2.4 \%$ |  |  |
| $\mathbf{2 0 2 6 - 2 7}$ | 4508 | 81 | $1.8 \%$ |  |  |
| Change | $\mathbf{1 0 8 8}$ |  |  |  | $\mathbf{3 1 . 8} \%$ |

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## TESDEF

## Sharon, MA Projected Enrollment

PK-12 TO 2026 Based On Data Through School Year 2016-17


[^0]
## MESDEE

## Sharon, MA Historical \& Projected Enrollment

PK-12, 2006-2026

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## Sharon, MA Birth-to-Kindergarten Relationship


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## NTSपाइE

## Sharon, MA Additional Data

| Building Permits Issued |  |  |
| :---: | :---: | :---: |
| Year | Single-Family | Multi-Units |
| 2005 | 12 | 0 |
|  |  |  |
| 2012 | 32 | 0 |
| 2013 | 21 | 0 |
| 2014 | 16 | 0 |
| 2015 | 10 | 0 |
| 2016 | 16 | 0 |


| $\begin{array}{c}\text { Enrollment History } \\ \text { Voc-Tech } \\ \text { Y-12 Total }\end{array}$ |  |  |
| :---: | :---: | :---: | \(\left.\begin{array}{c}Non-Public <br>

K-12 Total\end{array}\right]\)

Source: HUD and Building Department

| Residents in Non-Public Independent and Parochial Schools (General Education) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Enrollments as of Oct. 1 | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | K-12 TOTAL |
|  | 20 | 18 | 11 | 25 | 15 | 19 | 13 | 34 | 19 | 16 | 17 | 16 | 12 | 235 |


| K-12 Home-Schooled Students |  |
| :---: | :---: |
| 2016 | 20 |



The above data were used to assist in the preparation of the enrollment projections. If additional demographic work is needed, please contact our office
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