



*New England School Development Council
 Celebrating over fifty years of service to education*

TO: Dr. John E. Phelan, Jr, Superintendent of Schools, Hopkinton, MA
 FROM: Ellen W. Kelly, Ed.M., Donald Kennedy, Ed.D., Demographic Team
 DATE: November 2, 2005
 RE: Enrollment Projections

We are pleased to send you the enclosed documents displaying the past, present, and projected enrollments for the Hopkinton 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.

- The NESDEC projection of a year ago (for fall, 2004) at grades K-5, based upon Hopkinton’s recent history, proved to be high by a total of 61 students.
- At the Kindergarten level, 268 students were projected, yet only 233 actually enrolled...a difference of 35 students. This was the first-of-its-kind decrease in the Birth to Kindergarten ratio as displayed in the chart below:

| School Year | Birth/K % |
|-------------|-----------|
| 1995-96 | 117% |
| 1996-97 | 141% |
| 1997-98 | 126% |
| 1998-99 | 118% |
| 1999-00 | 118% |
| 2000-01 | 118% |
| 2001-02 | 114% |
| 2002-03 | 118% |
| 2003-04 | 130% |
| 2004-05 | 114% |
| 2005-06 | 103% |

As you will see, figures for fall 2005 represent the lowest ratio of students entering Kindergarten as compared with births to residents five years earlier. We would caution that this figure could be an anomaly and we're unable to establish a trend without data for additional years. Although some of the drop may be the result of persons choosing private kindergarten, it is not likely that the 2006-07 Kindergarten will be above 114%. If Hopkinton wants a more accurate count, you can use either a town census or a count of 4-year-olds in the preschools serving Hopkinton. Or, you might be diligent in tracking down all eligible students during the spring Kindergarten registration.

For the past six years, Grades 2 and 5 have experienced growth from the previous years (sometimes by 10-16 students) However, in 2005-06, both experienced a small loss (2 students in Grade 2 and 4 students in Grade 5). Grades 2-10 taken as a group, experienced net in-migration (growth) for five years in a row, but have experienced a small loss in 2004-05 and 2005-06. Births also are down a bit from earlier years. Thus our projections for the future show a slower rate of growth than did previous enrollment forecasts. The reasons probably are several, yet they include the high cost of housing in eastern Massachusetts and an aging population.

If your district has need for further assistance in the area of long range facilities planning, we would urge you to call so that we might discuss our planning services which include our Demographic and Long-Range Enrollment Projection Studies.

We have enclosed suggestions for interpreting the printout and a brief description of the modified cohort survival methodology used in preparing the projections. As always, we would be delighted to hear from you regarding ways in which we might make the enrollment forecasts more useful to you. Please don't hesitate to call or email us at ep@nesdec.org. Best wishes for the school year.

SUGGESTIONS FOR ANALYZING YOUR ENROLLMENT REPORT

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 are normally quite responsive to these fluctuations.
2. Look down the K and 1 columns and note 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 10th 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 in-migration has probably occurred; if it is smaller, then out-migration has probably 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/junior high, 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.

HISTORICAL ENROLLMENTS BY GRADE

| BIRTH YEAR | BIRTHS | SCHOOL YEAR | Pre-K | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Ungrad | Pre-K-12 TOTAL |
|------------|--------|-------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|----------------|
| 1990 | 191 | 1995-96 | 23 | 224 | 208 | 211 | 191 | 182 | 179 | 169 | 152 | 141 | 115 | 98 | 92 | 78 | | 2063 |
| 1991 | 144 | 1996-97 | 25 | 203 | 232 | 209 | 208 | 191 | 184 | 181 | 169 | 151 | 121 | 110 | 91 | 83 | | 2158 |
| 1992 | 185 | 1997-98 | 27 | 233 | 213 | 239 | 215 | 215 | 197 | 189 | 184 | 162 | 135 | 118 | 105 | 97 | | 2329 |
| 1993 | 197 | 1998-99 | 39 | 233 | 255 | 220 | 242 | 215 | 219 | 205 | 195 | 180 | 147 | 134 | 123 | 108 | | 2515 |
| 1994 | 203 | 1999-00 | 48 | 240 | 258 | 254 | 234 | 241 | 217 | 230 | 207 | 198 | 172 | 136 | 135 | 114 | | 2684 |
| 1995 | 195 | 2000-01 | 51 | 231 | 260 | 274 | 265 | 234 | 254 | 225 | 236 | 218 | 181 | 168 | 141 | 130 | | 2868 |
| 1996 | 220 | 2001-02 | 53 | 250 | 253 | 265 | 285 | 269 | 241 | 261 | 221 | 236 | 197 | 184 | 176 | 139 | | 3030 |
| 1997 | 229 | 2002-03 | 51 | 271 | 286 | 265 | 268 | 288 | 270 | 253 | 258 | 223 | 223 | 206 | 187 | 165 | | 3214 |
| 1998 | 215 | 2003-04 | 50 | 279 | 283 | 294 | 269 | 271 | 290 | 270 | 245 | 269 | 213 | 229 | 204 | 186 | | 3352 |
| 1999 | 200 | 2004-05 | 67 | 227 | 296 | 297 | 300 | 267 | 281 | 277 | 271 | 244 | 252 | 213 | 227 | 203 | | 3422 |
| 2000 | 227 | 2005-06 | 68 | 233 | 244 | 294 | 299 | 305 | 263 | 283 | 271 | 269 | 231 | 246 | 206 | 226 | | 3438 |

HISTORICAL ENROLLMENTS IN GRADE COMBINATIONS

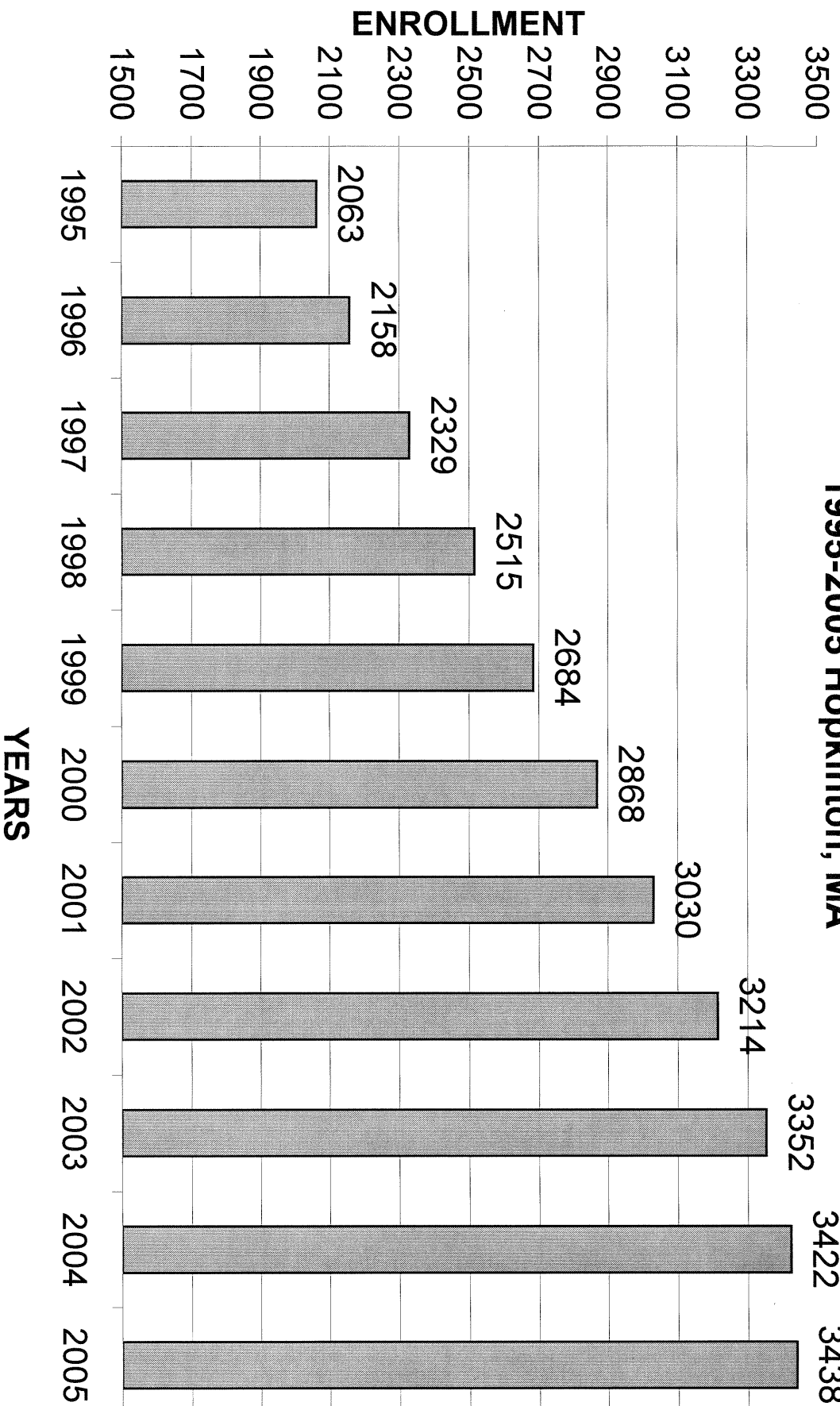
| SCHOOL YEAR | K-2 | K-5 | K-6 | K-8 | 5-8 | 6-8 | 7-8 | 7-12 | 9-12 |
|-------------|-----|------|------|------|------|-----|-----|------|------|
| 1995-96 | 643 | 1195 | 1364 | 1657 | 641 | 462 | 293 | 676 | 383 |
| 1996-97 | 644 | 1227 | 1408 | 1728 | 685 | 501 | 320 | 725 | 405 |
| 1997-98 | 685 | 1312 | 1501 | 1847 | 732 | 535 | 346 | 801 | 455 |
| 1998-99 | 708 | 1384 | 1589 | 1964 | 799 | 580 | 375 | 887 | 512 |
| 1999-00 | 752 | 1444 | 1674 | 2079 | 852 | 635 | 405 | 962 | 557 |
| 2000-01 | 765 | 1518 | 1743 | 2197 | 933 | 679 | 454 | 1074 | 620 |
| 2001-02 | 768 | 1563 | 1824 | 2281 | 959 | 718 | 457 | 1153 | 696 |
| 2002-03 | 822 | 1648 | 1901 | 2382 | 1004 | 734 | 481 | 1262 | 781 |
| 2003-04 | 856 | 1686 | 1956 | 2470 | 1074 | 784 | 514 | 1346 | 832 |
| 2004-05 | 820 | 1668 | 1945 | 2460 | 1073 | 792 | 515 | 1410 | 895 |
| 2005-06 | 771 | 1638 | 1921 | 2461 | 1086 | 823 | 540 | 1449 | 909 |

HISTORICAL ENROLLMENT DATA
 ANNUAL PERCENTAGE CHANGES

| Year | Total | Diff. | % |
|---------|-------|-------|------|
| 1995-96 | 2063 | | |
| 1996-97 | 2158 | 95 | 4.6% |
| 1997-98 | 2329 | 171 | 7.9% |
| 1998-99 | 2515 | 186 | 8.0% |
| 1999-00 | 2684 | 169 | 6.7% |
| 2000-01 | 2868 | 184 | 6.9% |
| 2001-02 | 3030 | 162 | 5.6% |
| 2002-03 | 3214 | 184 | 6.1% |
| 2003-04 | 3352 | 138 | 4.3% |
| 2004-05 | 3422 | 70 | 2.1% |
| 2005-06 | 3438 | 16 | 0.5% |

TOTAL CHANGE 1995-2005 1375 66.7%

HISTORICAL ENROLLMENT, Pre-K-12 1995-2005 Hopkinton, MA



ENROLLMENT PROJECTIONS BY GRADE*

| BIRTH YEAR | BIRTHS | SCHOOL YEAR | ENROLLMENT PROJECTIONS BY GRADE* | | | | | | | | | | | | Pre-K-12 TOTAL | | |
|------------|------------|-------------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|-----|------|
| | | | Pre-K | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | 11 | 12 |
| 2000 | 227 | 2005-06 | 68 | 233 | 244 | 294 | 299 | 305 | 263 | 283 | 271 | 269 | 231 | 246 | 206 | 226 | 3438 |
| 2001 | 233 | 2006-07 | 68 | 266 | 250 | 251 | 298 | 302 | 308 | 264 | 277 | 272 | 254 | 231 | 244 | 205 | 3490 |
| 2002 | 222 | 2007-08 | 68 | 253 | 286 | 258 | 255 | 301 | 305 | 310 | 259 | 278 | 257 | 254 | 229 | 243 | 3556 |
| 2003 | 215 | 2008-09 | 68 | 245 | 272 | 295 | 262 | 258 | 304 | 304 | 304 | 260 | 263 | 257 | 251 | 228 | 3574 |
| 2004 | 224 (est.) | 2009-10 | 68 | 256 | 263 | 280 | 299 | 265 | 261 | 306 | 301 | 306 | 246 | 263 | 250 | 250 | 3618 |
| 2005 | 224 (est.) | 2010-11 | 68 | 255 | 275 | 271 | 284 | 302 | 268 | 262 | 300 | 303 | 289 | 246 | 260 | 253 | 3636 |
| 2006 | | 2011-12 | | | 274 | 283 | 275 | 287 | 287 | 305 | 269 | 302 | 286 | 289 | 244 | 259 | |
| 2007 | | 2012-13 | | | | 282 | 287 | 278 | 278 | 290 | 307 | 264 | 258 | 286 | 243 | 243 | |
| 2008 | | 2013-14 | | | | | 286 | 290 | 281 | 291 | 301 | 265 | 244 | 285 | 283 | 285 | |
| 2009 | | 2014-15 | | | | | | 289 | 293 | 282 | 285 | 303 | 250 | 244 | 282 | 282 | |
| 2010 | | 2015-16 | | | | | | | 292 | 294 | 276 | 286 | 286 | 250 | 242 | 281 | |

PROJECTED ENROLLMENTS IN GRADE COMBINATIONS*

| SCHOOL YEAR | K-2 | K-5 | K-6 | K-8 | 5-8 | 6-8 | 7-8 | 7-12 | 9-12 |
|-------------|-----|------|------|------|------|-----|-----|------|------|
| 2005-06 | 771 | 1638 | 1921 | 2461 | 1086 | 823 | 540 | 1449 | 909 |
| 2006-07 | 767 | 1675 | 1939 | 2488 | 1121 | 813 | 549 | 1483 | 934 |
| 2007-08 | 797 | 1658 | 1968 | 2505 | 1152 | 847 | 537 | 1520 | 983 |
| 2008-09 | 812 | 1636 | 1943 | 2507 | 1175 | 871 | 564 | 1563 | 999 |
| 2009-10 | 799 | 1624 | 1930 | 2537 | 1174 | 913 | 607 | 1620 | 1013 |
| 2010-11 | 801 | 1655 | 1917 | 2520 | 1133 | 865 | 603 | 1651 | 1048 |
| 2011-12 | | | | | 1133 | 828 | 559 | 1637 | 1078 |
| 2012-13 | | | | | 1119 | 829 | 522 | 1622 | 1100 |
| 2013-14 | | | | | 1138 | 857 | 566 | 1663 | 1097 |
| 2014-15 | | | | | 1163 | 870 | 588 | 1646 | 1058 |
| 2015-16 | | | | | 1148 | 856 | 562 | 1621 | 1059 |

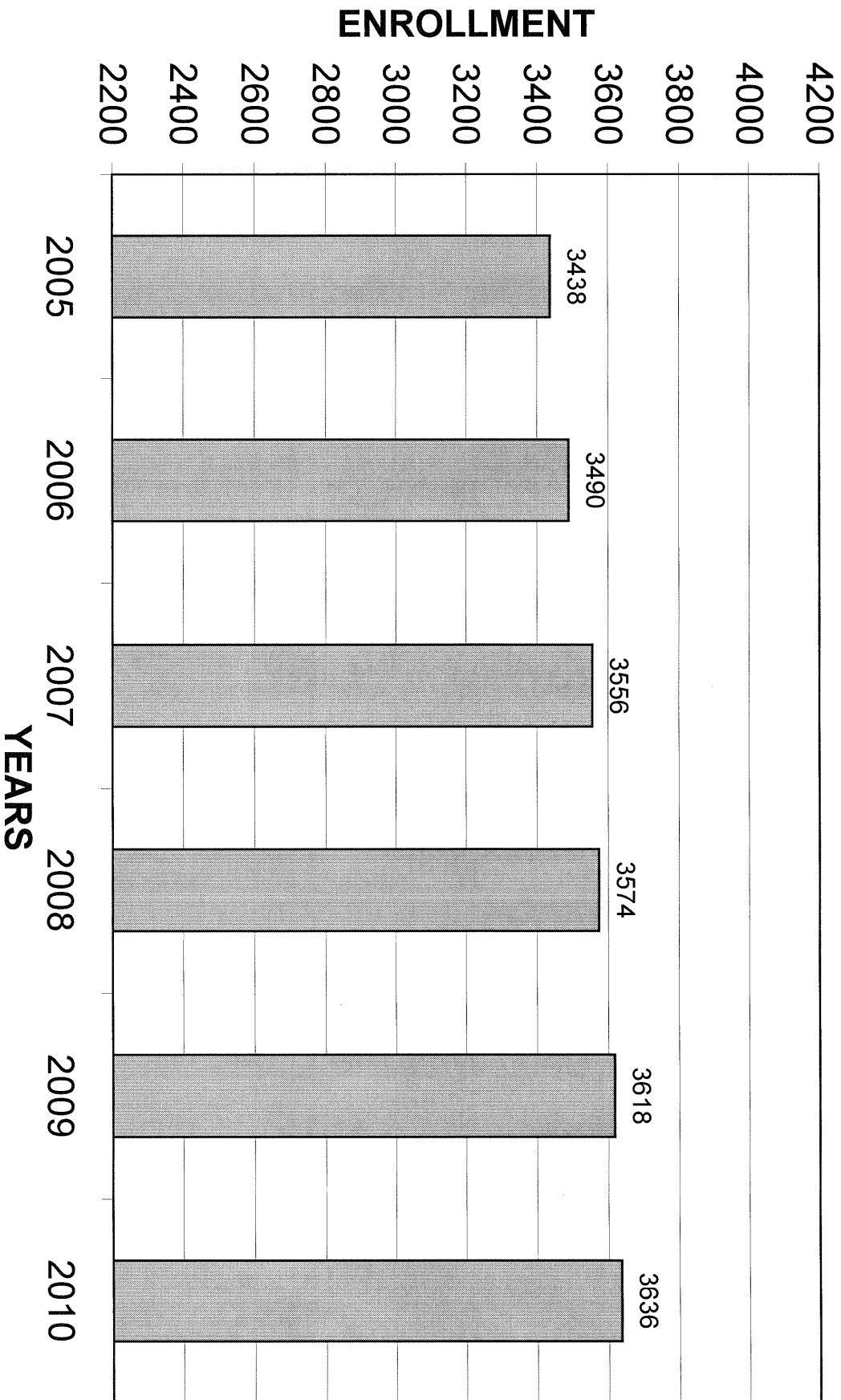
*PROJECTIONS SHOULD BE UPDATED ON AN ANNUAL BASIS

PROJECTED ENROLLMENT DATA
 ANNUAL PERCENTAGE CHANGES

| Years | Total | Diff. | % |
|---------|-------|-------|------|
| 2005-06 | 3438 | | |
| 2006-07 | 3490 | 52 | 1.5% |
| 2007-08 | 3556 | 66 | 1.9% |
| 2008-09 | 3574 | 18 | 0.5% |
| 2009-10 | 3618 | 44 | 1.2% |
| 2010-11 | 3636 | 18 | 0.5% |

TOTAL CHANGE 2005 - 2010 198 5.8%

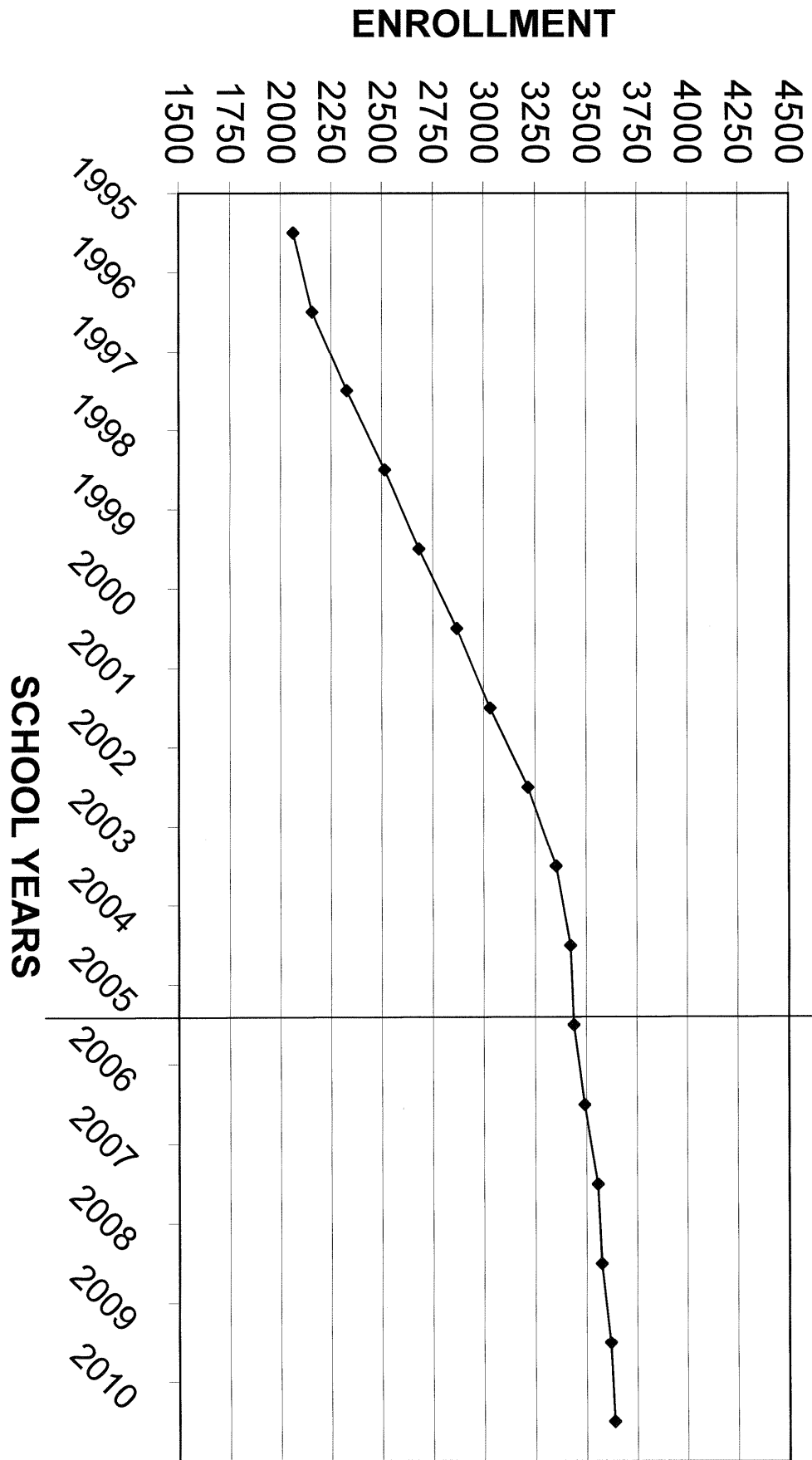
**PROJECTED Pre-K-12 ENROLLMENT THROUGH 2010 BASED ON DATA
FROM SCHOOL YEAR 2005-06 Hopkinton, MA**



HISTORICAL & PROJECTED ENROLLMENTS
1995 TO 2010 Hopkinton, MA

HISTORICAL

PROJECTED



ADDITIONAL HISTORICAL DATA: Hopkinton, MA

| | BUILDING PERMITS ISSUED | |
|------|-------------------------|---------|
| | SFDU's* | MFDU's* |
| 1995 | 161 | |
| 1996 | 96 | |
| 1997 | 95 | |
| 1998 | 291 | |
| 1999 | N/A | |
| 2000 | N/A | |
| 2001 | 50 | |
| 2002 | 49 | |
| 2003 | 39 | |
| 2004 | 73 | |
| 2005 | 43 | |

| | ENROLLMENT HISTORY | |
|---------|------------------------|--------------------------|
| | VOC-TECH 9-12 TOTAL | NON-PUBLIC K-12 TOTAL |
| 1995-96 | 29 | 218 |
| 1996-97 | 37 | 110 |
| 1997-98 | 23 | 118 |
| 1998-99 | 32 | 102 |
| 1999-00 | 28 | 123 |
| 2000-01 | 38 | 125 |
| 2001-02 | 36 | 175 |
| 2002-03 | 36 | 201 |
| 2003-04 | 34 | 191 |
| 2004-05 | 29 | 185 |
| 2005-06 | 28 | 184 |

* SFDU = Single Family Dwelling Unit
MFDU = Multiple Family Dwelling Unit

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