



**Danville, NH**

**SAU #106**

**Timberlane Regional School District**

**School Year 2023-24 Enrollment Projection Report**

**Spring Update**

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## Danville, NH Enrollment Summary Spring Update

NESDEC is pleased to send you this report displaying the past, present, and projected enrollments for your District. It is important to update enrollment projections every year to identify changes in enrollment patterns. Ten-year projections are designed to provide your District with yearly, up-to-date enrollment information that can be used by boards and administrators for effective planning and allocation of resources.

Included in this report are graphs representing historical and projected grade-by-grade enrollments, as well as historical and projected enrollments in grade combinations. We received the enrollment data from the District, and we assume that the method of collecting this data has been consistent from year to year.

Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the “out-years.” Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes. For more information, please refer to the Methodology, Reliability and Use of this Document section.

We are pleased to send you this Spring Update. We have reviewed the updated Spring Enrollment and note that the enrollment growth is similar to the previous projection for Grades K-12. We look forward to fully updating enrollment data in Fall, 2024.

# Historical Enrollment Spring Update

School District: Danville, NH - SAU #106 Timberlane

3/20/2024

NOTE: Spring enrollment data provided by the 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 |
| 2008                           | 34      | 2013-14     | 14 | 41 | 54 | 49 | 27 | 60 | 56 | 53 | 62 | 79 | 56 | 63 | 67 | 76 | 0    | 743  | 757   |
| 2009                           | 35      | 2014-15     | 5  | 38 | 49 | 51 | 54 | 28 | 60 | 57 | 51 | 61 | 73 | 57 | 65 | 68 | 0    | 712  | 717   |
| 2010                           | 29      | 2015-16     | 15 | 27 | 39 | 52 | 56 | 51 | 28 | 59 | 57 | 52 | 59 | 74 | 59 | 65 | 0    | 678  | 693   |
| 2011                           | 33      | 2016-17     | 22 | 43 | 28 | 43 | 43 | 55 | 48 | 30 | 59 | 52 | 49 | 57 | 68 | 60 | 0    | 635  | 657   |
| 2012                           | 25      | 2017-18     | 7  | 40 | 52 | 33 | 44 | 47 | 56 | 48 | 30 | 55 | 48 | 52 | 53 | 66 | 0    | 624  | 631   |
| 2013                           | 33      | 2018-19     | 25 | 30 | 44 | 51 | 32 | 46 | 36 | 59 | 45 | 28 | 51 | 50 | 51 | 50 | 0    | 573  | 598   |
| 2014                           | 45      | 2019-20     | 10 | 60 | 32 | 42 | 59 | 33 | 48 | 40 | 58 | 45 | 32 | 50 | 45 | 48 | 0    | 592  | 602   |
| 2015                           | 29      | 2020-21     | 11 | 29 | 53 | 34 | 41 | 59 | 29 | 45 | 39 | 53 | 48 | 33 | 51 | 47 | 0    | 561  | 572   |
| 2016                           | 40      | 2021-22     | 20 | 42 | 42 | 53 | 42 | 44 | 58 | 32 | 46 | 39 | 45 | 46 | 35 | 53 | 0    | 577  | 597   |
| 2017                           | 41      | 2022-23     | 34 | 41 | 43 | 47 | 52 | 43 | 44 | 60 | 33 | 44 | 40 | 48 | 47 | 37 | 0    | 579  | 613   |
| 2018                           | 44      | Fall 2023   | 22 | 39 | 41 | 43 | 48 | 52 | 37 | 43 | 58 | 33 | 43 | 40 | 47 | 49 | 0    | 573  | 595   |
| 2024 Spring Update             |         |             | 24 | 42 | 41 | 44 | 50 | 52 | 37 | 44 | 58 | 33 | 43 | 38 | 49 | 48 | 0    | 579  | 603   |

\*Birth data provided by Public Health Vital Records Departments in each state.

\*\* < 10 Not reported, to protect subgroups with fewer than 10 students.

| Historical Enrollment in Grade Combinations |      |     |      |     |     |     |     |      |      |
|---------------------------------------------|------|-----|------|-----|-----|-----|-----|------|------|
| School Year                                 | PK-5 | K-5 | PK-8 | K-8 | 5-8 | 6-8 | 7-8 | 6-12 | 9-12 |
| 2013-14                                     | 301  | 287 | 495  | 481 | 250 | 194 | 141 | 456  | 262  |
| 2014-15                                     | 285  | 280 | 454  | 449 | 229 | 169 | 112 | 432  | 263  |
| 2015-16                                     | 268  | 253 | 436  | 421 | 196 | 168 | 109 | 425  | 257  |
| 2016-17                                     | 282  | 260 | 423  | 401 | 189 | 141 | 111 | 375  | 234  |
| 2017-18                                     | 279  | 272 | 412  | 405 | 189 | 133 | 85  | 352  | 219  |
| 2018-19                                     | 264  | 239 | 396  | 371 | 168 | 132 | 73  | 334  | 202  |
| 2019-20                                     | 284  | 274 | 427  | 417 | 191 | 143 | 103 | 318  | 175  |
| 2020-21                                     | 256  | 245 | 393  | 382 | 166 | 137 | 92  | 316  | 179  |
| 2021-22                                     | 301  | 281 | 418  | 398 | 175 | 117 | 85  | 296  | 179  |
| 2022-23                                     | 304  | 270 | 441  | 407 | 181 | 137 | 77  | 309  | 172  |
| Fall 2023                                   | 282  | 260 | 416  | 394 | 171 | 134 | 91  | 313  | 179  |
| Spring 2024                                 | 290  | 266 | 425  | 401 | 172 | 135 | 91  | 313  | 178  |

| Historical Percentage Changes |      |       |        |
|-------------------------------|------|-------|--------|
| School Year                   | K-12 | Diff. | %      |
| 2013-14                       | 743  |       |        |
| 2014-15                       | 712  | -31   | -4.2%  |
| 2015-16                       | 678  | -34   | -4.8%  |
| 2016-17                       | 635  | -43   | -6.3%  |
| 2017-18                       | 624  | -11   | -1.7%  |
| 2018-19                       | 573  | -51   | -8.2%  |
| 2019-20                       | 592  | 19    | 3.3%   |
| 2020-21                       | 561  | -31   | -5.2%  |
| 2021-22                       | 577  | 16    | 2.9%   |
| 2022-23                       | 579  | 2     | 0.3%   |
| Fall 2023                     | 573  | -6    | -1.0%  |
| Change                        | -170 |       | -22.9% |

# Projected Enrollment Spring Update

School District: Danville, NH - SAU #106 Timberlane

3/20/2024

Note: Spring projections are based on updated Spring enrollment data.

| 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 |
| 2018                             | 44      |        | Spring 2024 | 24 | 42 | 41 | 44 | 50 | 52 | 37 | 44 | 58 | 33 | 43 | 38 | 49 | 48 |      | 579  | 603   |
| 2019                             | 41      |        | 2024-25     | 22 | 41 | 46 | 43 | 47 | 52 | 49 | 38 | 44 | 56 | 32 | 43 | 38 | 51 |      | 580  | 602   |
| 2020                             | 35      |        | 2025-26     | 23 | 35 | 45 | 48 | 46 | 49 | 49 | 51 | 38 | 43 | 55 | 32 | 43 | 40 |      | 574  | 597   |
| 2021                             | 38      |        | 2026-27     | 23 | 38 | 39 | 47 | 51 | 47 | 46 | 51 | 51 | 37 | 42 | 56 | 32 | 45 |      | 582  | 605   |
| 2022                             | 36      |        | 2027-28     | 24 | 36 | 42 | 41 | 50 | 53 | 45 | 48 | 51 | 49 | 36 | 42 | 57 | 33 |      | 583  | 607   |
| 2023                             | 39      | (est.) | 2028-29     | 24 | 39 | 40 | 44 | 44 | 52 | 50 | 47 | 48 | 49 | 48 | 36 | 42 | 60 |      | 599  | 623   |
| 2024                             | 38      | (est.) | 2029-30     | 25 | 38 | 43 | 42 | 47 | 45 | 49 | 52 | 47 | 46 | 48 | 48 | 36 | 44 |      | 585  | 610   |
| 2025                             | 37      | (est.) | 2030-31     | 25 | 37 | 42 | 45 | 45 | 49 | 43 | 51 | 52 | 45 | 45 | 48 | 48 | 38 |      | 588  | 613   |
| 2026                             | 38      | (est.) | 2031-32     | 26 | 38 | 41 | 44 | 48 | 46 | 46 | 45 | 51 | 50 | 44 | 45 | 48 | 50 |      | 596  | 622   |
| 2027                             | 37      | (est.) | 2032-33     | 27 | 37 | 42 | 43 | 47 | 50 | 44 | 48 | 45 | 49 | 49 | 44 | 45 | 50 |      | 593  | 620   |
| 2028                             | 38      | (est.) | 2033-34     | 28 | 38 | 41 | 44 | 46 | 49 | 47 | 46 | 48 | 44 | 48 | 49 | 44 | 47 |      | 591  | 619   |

Note: Ungraded students (UNGR) often are high school students whose anticipated years of graduation are unknown, or students with special needs - UNGR not included in Grade Combinations for 7-12, 9-12, etc.

Based on an estimate of births

Based on children already born

Based on students already enrolled

\*Birth data provided by Public Health Vital Records Departments in each state.

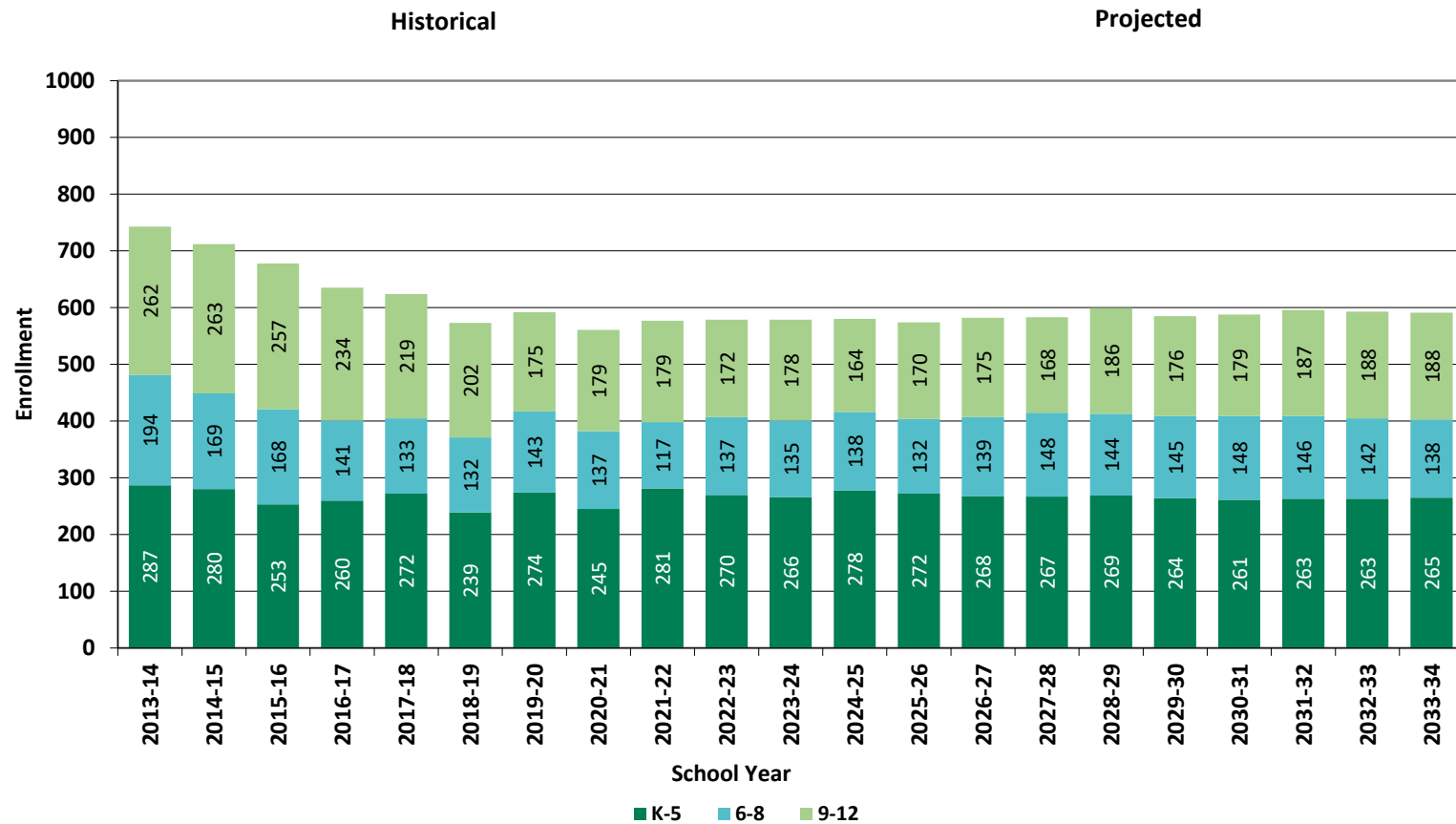
\*\* < 10 Not reported, to protect subgroups with fewer than 10 students.

| Projected Enrollment in Grade Combinations* |      |     |      |     |     |     |     |      |      |
|---------------------------------------------|------|-----|------|-----|-----|-----|-----|------|------|
| School Year                                 | PK-5 | K-5 | PK-8 | K-8 | 5-8 | 6-8 | 7-8 | 6-12 | 9-12 |
| Spring 2024                                 | 290  | 266 | 425  | 401 | 172 | 135 | 91  | 313  | 178  |
| 2024-25                                     | 300  | 278 | 438  | 416 | 187 | 138 | 100 | 302  | 164  |
| 2025-26                                     | 295  | 272 | 427  | 404 | 181 | 132 | 81  | 302  | 170  |
| 2026-27                                     | 291  | 268 | 430  | 407 | 185 | 139 | 88  | 314  | 175  |
| 2027-28                                     | 291  | 267 | 439  | 415 | 193 | 148 | 100 | 316  | 168  |
| 2028-29                                     | 293  | 269 | 437  | 413 | 194 | 144 | 97  | 330  | 186  |
| 2029-30                                     | 289  | 264 | 434  | 409 | 194 | 145 | 93  | 321  | 176  |
| 2030-31                                     | 286  | 261 | 434  | 409 | 191 | 148 | 97  | 327  | 179  |
| 2031-32                                     | 289  | 263 | 435  | 409 | 192 | 146 | 101 | 333  | 187  |
| 2032-33                                     | 290  | 263 | 432  | 405 | 186 | 142 | 94  | 330  | 188  |
| 2033-34                                     | 293  | 265 | 431  | 403 | 185 | 138 | 92  | 326  | 188  |

| Projected Percentage Changes |      |       |       |
|------------------------------|------|-------|-------|
| School Year                  | K-12 | Diff. | %     |
| Spring 2024                  | 579  |       |       |
| 2024-25                      | 580  | 1     | 0.2%  |
| 2025-26                      | 574  | -6    | -1.0% |
| 2026-27                      | 582  | 8     | 1.4%  |
| 2027-28                      | 583  | 1     | 0.2%  |
| 2028-29                      | 599  | 16    | 2.7%  |
| 2029-30                      | 585  | -14   | -2.3% |
| 2030-31                      | 588  | 3     | 0.5%  |
| 2031-32                      | 596  | 8     | 1.4%  |
| 2032-33                      | 593  | -3    | -0.5% |
| 2033-34                      | 591  | -2    | -0.3% |
| Change                       | 12   |       | 2.1%  |

\*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

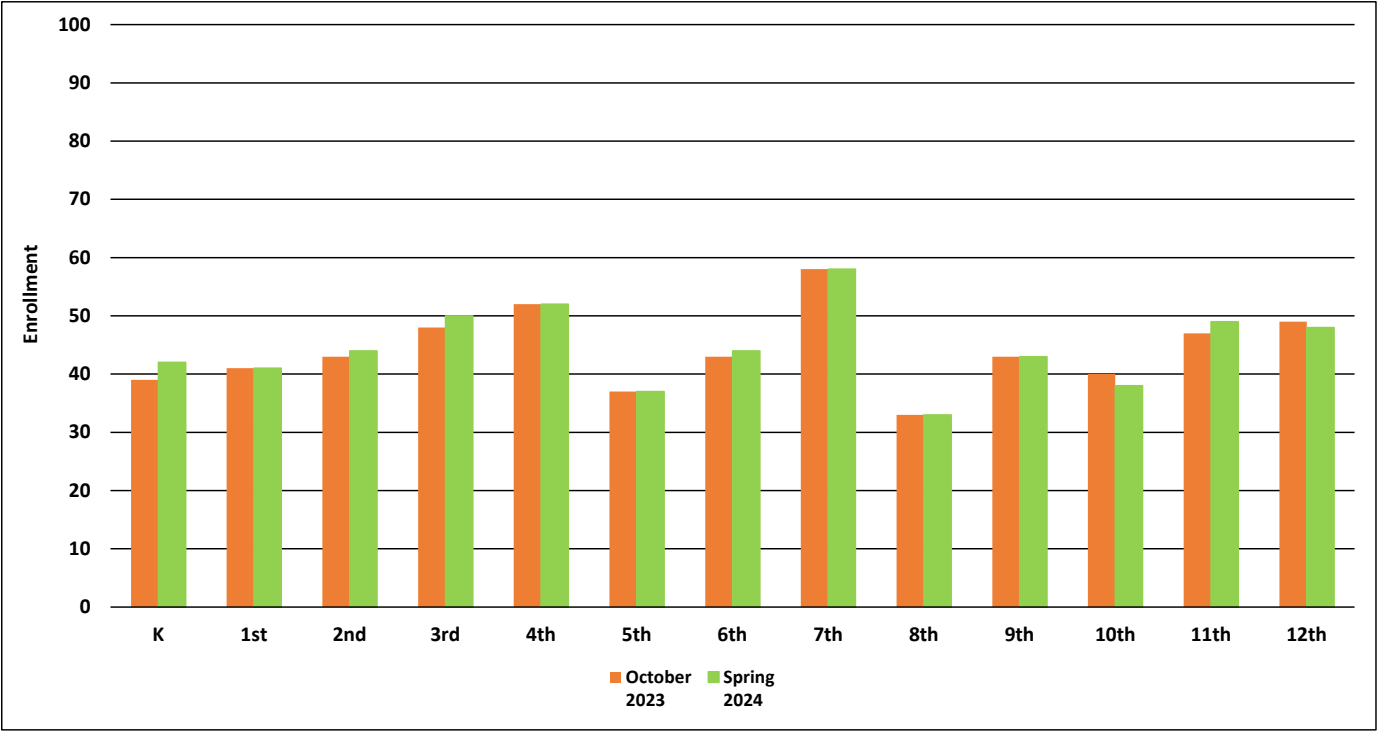
# Historical & Spring Projected Enrollments in Grade Combinations



Note: Projections are based on Spring 2024 data.



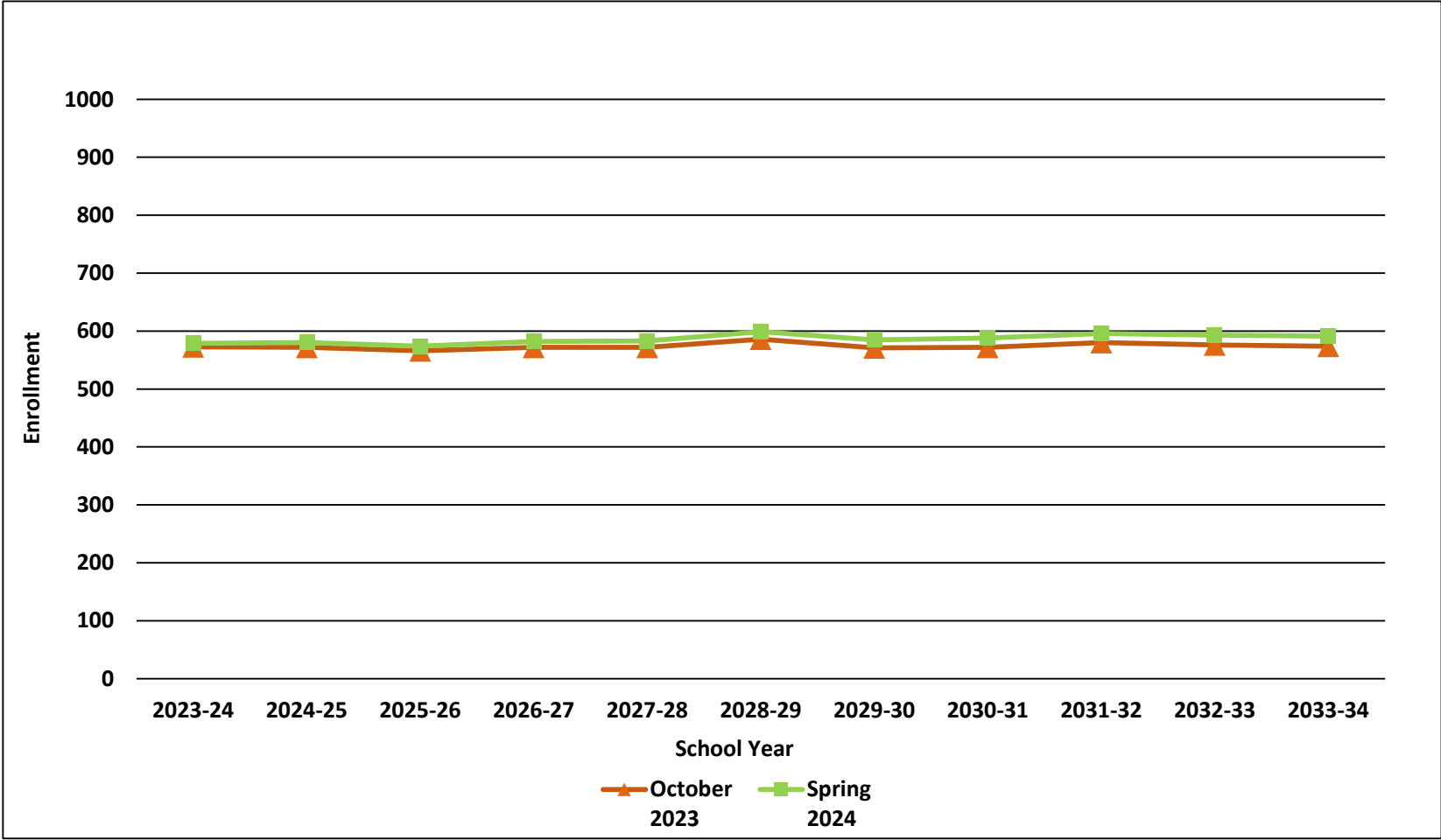
# October 2023 vs. Spring 2024 Enrollment by Grade



|              | K  | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | 12th |
|--------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| October 2023 | 39 | 41  | 43  | 48  | 52  | 37  | 43  | 58  | 33  | 43  | 40   | 47   | 49   |
| Spring 2024  | 42 | 41  | 44  | 50  | 52  | 37  | 44  | 58  | 33  | 43  | 38   | 49   | 48   |

**NESDEC**

# Grades K-12 Projections October 2023 vs. Spring 2024



# Methodology, Reliability and Use of this Document

## 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 that are wholly computer- or formula-driven. Such modification permits the incorporation of important, current district-specific demographic information into the generation of enrollment forecasts (such as in/out-migration of students, resident births, HUD-reported building permits, etc.). 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 2022-23 increased to 104 students in Grade 2 in 2023-24, the percentage of survival would be 104%, or a ratio of 1.04. 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 to project into future years. The ratios are the key factors in the reliability of the projections, assuming validity of the data at the starting point.

## RELIABILITY OF ENROLLMENT PROJECTIONS

Projections can serve as useful guides to school administrators for educational planning. Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the "out-years." Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes, but they should be viewed as subject to change given the likelihood of potential shifts in underlying assumptions/trends, such as student migration, births as they relate to Kindergarten enrollment, and other factors.

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**. The least reliable category is the group for which an estimate must be made **to predict the number of births**, thereby adding additional uncertainty. See these three multi-colored groupings on the "Projected Enrollment" tab.

Annual updates allow for early identification of recent changes in historical trends. When the actual enrollment in a grade is significantly different (higher or lower) 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 screenshots, which can be inserted into PowerPoint slides, Word documents, etc. Because screenshots create graphics, the image is not editable. Please feel free to contact us if you need assistance in this matter, by phone (508-481-9444) or by email ([ep@nesdec.org](mailto:ep@nesdec.org)).