



**Winooski School District  
Winooski, VT**

**2021-22 Enrollment Projection Report**

# Enrollment Summary

The global pandemic continues to influence our nation's public health and economic stability in unpredictable ways. As such, it is still too early to identify many of the factors that could impact school enrollments. Over the past school year, we have seen fluctuations in the real estate market and job trends, which have impacted student attendance patterns. Moreover, during the past school year, we have seen how school enrollment patterns can differ substantially from one district to another, with some districts losing students while others experience an influx of students.

We are pleased to send you the past, present, and projected enrollments for your District. New this year, we have added graphs that highlight Historical and Projected Enrollments in Grade Combinations. We have received 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.

Of note, projections are generally more reliable when they are closest in time to the current year. Projections four to ten years out may serve as a guide to future enrollments.

In light of this, NESDEC has added a "Second Semester refresher" enrollment projection at no cost to affiliates.

The NESDEC enrollment projection fell within +3 students of the K-12 total, 710 students projected vs. 713 enrolled. Births have decreased by -27 from a ten-year average of 107 to an average of 80 annually. Enrollment in Grades 1-8 is usually pretty stable and a good predictor. For the past eight years, grades 1-8 were losing an average of -7 net "move-outs" of students in the following year.

Over the next three years, K-5 enrollments are projected to decrease, Grades 6-8 enrollments are projected to stabilize, and 9-12 enrollments are projected to decline, as students move through the grades.

# Historical Enrollment

School District: Winooski, VT

11/1/2021

| 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 |
| 2006                           | 117     | 2011-12     | 90  | 72 | 59 | 58 | 65 | 60 | 52 | 58 | 36 | 63 | 53 | 59 | 76 | 66 | 59   | 777  | 867   |
| 2007                           | 88      | 2012-13     | 93  | 65 | 69 | 55 | 63 | 61 | 63 | 50 | 61 | 44 | 60 | 48 | 66 | 66 | 35   | 771  | 864   |
| 2008                           | 130     | 2013-14     | 57  | 69 | 58 | 57 | 55 | 54 | 54 | 55 | 46 | 56 | 41 | 67 | 46 | 40 | 30   | 698  | 755   |
| 2009                           | 101     | 2014-15     | 57  | 69 | 58 | 57 | 55 | 54 | 54 | 55 | 46 | 56 | 41 | 67 | 46 | 40 | 30   | 698  | 755   |
| 2010                           | 97      | 2015-16     | 115 | 48 | 63 | 65 | 63 | 60 | 52 | 53 | 56 | 52 | 56 | 56 | 45 | 27 | 56   | 696  | 811   |
| 2011                           | 106     | 2016-17     | 114 | 58 | 51 | 65 | 66 | 64 | 59 | 55 | 53 | 59 | 61 | 58 | 59 | 48 | 0    | 756  | 870   |
| 2012                           | 124     | 2017-18     | 106 | 69 | 65 | 60 | 61 | 62 | 52 | 53 | 60 | 47 | 66 | 73 | 54 | 61 | 0    | 783  | 889   |
| 2013                           | 120     | 2018-19     | 118 | 63 | 70 | 64 | 56 | 51 | 64 | 52 | 60 | 55 | 48 | 61 | 59 | 44 | 0    | 747  | 865   |
| 2014                           | 102     | 2019-20     | 104 | 64 | 57 | 62 | 62 | 58 | 49 | 61 | 52 | 55 | 52 | 54 | 47 | 52 | 0    | 725  | 829   |
| 2015                           | 91      | 2020-21     | 68  | 69 | 60 | 58 | 57 | 59 | 51 | 47 | 59 | 48 | 57 | 58 | 48 | 57 | 0    | 728  | 796   |
| 2016                           | 96      | 2021-22     | 62  | 63 | 65 | 55 | 59 | 57 | 55 | 48 | 44 | 62 | 42 | 58 | 55 | 50 | 0    | 713  | 775   |

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

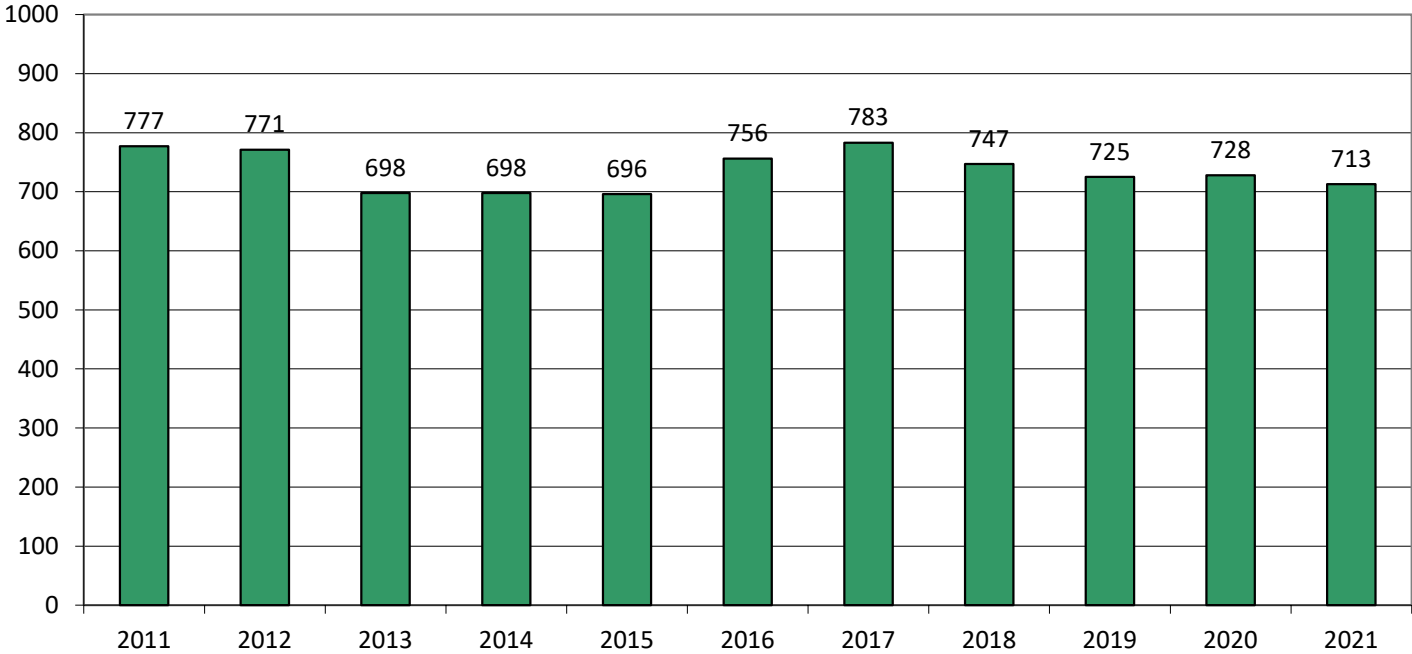
| Historical Enrollment in Grade Combinations |      |     |     |     |     |     |     |      |      |
|---|------|-----|-----|-----|-----|-----|-----|------|------|
| Year  | PK-5 | K-5 | K-6 | K-8 | 5-8 | 6-8 | 7-8 | 7-12 | 9-12 |
| 2011-12                                     | 456  | 366 | 424 | 523 | 209 | 157 | 99  | 353  | 254  |
| 2012-13                                     | 469  | 376 | 426 | 531 | 218 | 155 | 105 | 345  | 240  |
| 2013-14                                     | 404  | 347 | 402 | 504 | 211 | 157 | 102 | 296  | 194  |
| 2014-15                                     | 404  | 347 | 402 | 504 | 211 | 157 | 102 | 296  | 194  |
| 2015-16                                     | 466  | 351 | 404 | 512 | 213 | 161 | 108 | 292  | 184  |
| 2016-17                                     | 477  | 363 | 418 | 530 | 226 | 167 | 112 | 338  | 226  |
| 2017-18                                     | 475  | 369 | 422 | 529 | 212 | 160 | 107 | 361  | 254  |
| 2018-19                                     | 486  | 368 | 420 | 535 | 231 | 167 | 115 | 327  | 212  |
| 2019-20                                     | 456  | 352 | 413 | 520 | 217 | 168 | 107 | 312  | 205  |
| 2020-21                                     | 422  | 354 | 401 | 508 | 205 | 154 | 107 | 327  | 220  |
| 2021-22                                     | 416  | 354 | 402 | 508 | 209 | 154 | 106 | 311  | 205  |

| Historical Percentage Changes |      |       |       |
|-------------------------------|------|-------|-------|
| Year                          | K-12 | Diff. | %     |
| 2011-12                       | 777  | 0     | 0.0%  |
| 2012-13                       | 771  | -6    | -0.8% |
| 2013-14                       | 698  | -73   | -9.5% |
| 2014-15                       | 698  | 0     | 0.0%  |
| 2015-16                       | 696  | -2    | -0.3% |
| 2016-17                       | 756  | 60    | 8.6%  |
| 2017-18                       | 783  | 27    | 3.6%  |
| 2018-19                       | 747  | -36   | -4.6% |
| 2019-20                       | 725  | -22   | -2.9% |
| 2020-21                       | 728  | 3     | 0.4%  |
| 2021-22                       | 713  | -15   | -2.1% |
| Change                        |      | -64   | -8.2% |

**NESDEC**

# Historical Enrollment

**K-12, 2011-2021**



# Projected Enrollment

School District: Winooski, VT

11/1/2021

| 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 |
| 2016                             | 96      |         | 2021-22     | 62 | 63 | 65 | 55 | 59 | 57 | 55 | 48 | 44 | 62 | 42 | 58 | 55 | 50 | 0    | 713  | 775   |
| 2017                             | 81      |         | 2022-23     | 65 | 54 | 59 | 61 | 53 | 59 | 53 | 53 | 47 | 42 | 60 | 45 | 50 | 57 | 0    | 693  | 758   |
| 2018                             | 76      |         | 2023-24     | 68 | 51 | 51 | 55 | 59 | 53 | 55 | 51 | 52 | 45 | 40 | 65 | 39 | 52 | 0    | 668  | 736   |
| 2019                             | 70      |         | 2024-25     | 71 | 47 | 48 | 48 | 53 | 59 | 50 | 53 | 50 | 50 | 43 | 43 | 56 | 41 | 0    | 641  | 712   |
| 2020                             | 77      | (prov.) | 2025-26     | 74 | 52 | 44 | 45 | 46 | 53 | 55 | 48 | 52 | 48 | 48 | 46 | 37 | 58 | 0    | 632  | 706   |
| 2021                             | 80      | (est.)  | 2026-27     | 77 | 54 | 49 | 41 | 44 | 46 | 50 | 53 | 47 | 50 | 46 | 52 | 40 | 38 | 0    | 610  | 687   |
| 2022                             | 77      | (est.)  | 2027-28     | 80 | 51 | 51 | 46 | 40 | 44 | 43 | 48 | 52 | 45 | 48 | 49 | 45 | 42 | 0    | 604  | 684   |
| 2023                             | 76      | (est.)  | 2028-29     | 83 | 51 | 48 | 48 | 45 | 40 | 41 | 41 | 47 | 50 | 43 | 52 | 43 | 47 | 0    | 596  | 679   |
| 2024                             | 76      | (est.)  | 2029-30     | 86 | 51 | 48 | 45 | 46 | 45 | 37 | 39 | 40 | 45 | 48 | 46 | 45 | 45 | 0    | 580  | 666   |
| 2025                             | 77      | (est.)  | 2030-31     | 89 | 52 | 48 | 45 | 44 | 46 | 42 | 35 | 38 | 39 | 43 | 52 | 40 | 47 | 0    | 571  | 660   |
| 2026                             | 77      | (est.)  | 2031-32     | 92 | 52 | 49 | 45 | 44 | 44 | 43 | 40 | 34 | 37 | 37 | 46 | 45 | 42 | 0    | 558  | 650   |

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.

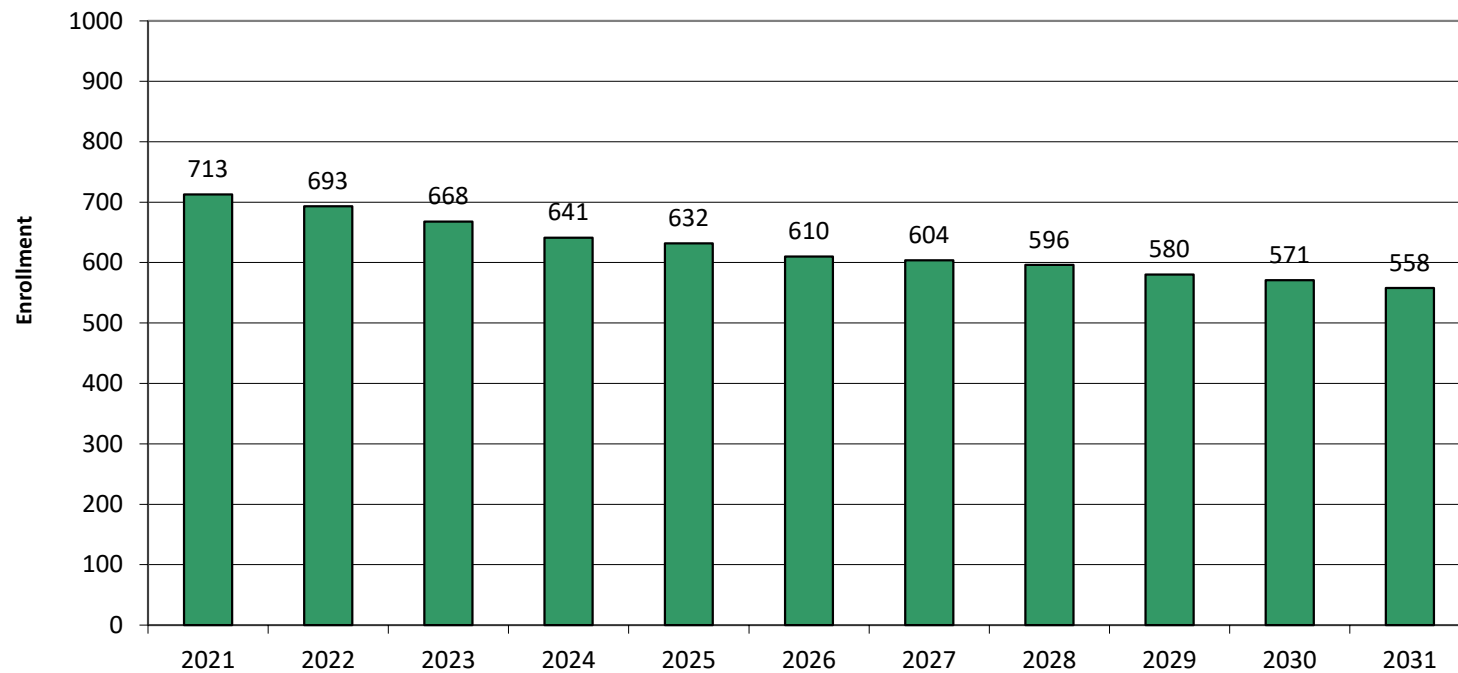
| Projected Enrollment in Grade Combinations* |      |     |     |     |     |     |     |      |      |
|---|------|-----|-----|-----|-----|-----|-----|------|------|
| Year  | PK-5 | K-5 | K-6 | K-8 | 5-8 | 6-8 | 7-8 | 7-12 | 9-12 |
| 2021-22                                     | 416  | 354 | 402 | 508 | 209 | 154 | 106 | 311  | 205  |
| 2022-23                                     | 404  | 339 | 392 | 481 | 195 | 142 | 89  | 301  | 212  |
| 2023-24                                     | 392  | 324 | 375 | 472 | 203 | 148 | 97  | 293  | 196  |
| 2024-25                                     | 376  | 305 | 358 | 458 | 203 | 153 | 100 | 283  | 183  |
| 2025-26                                     | 369  | 295 | 343 | 443 | 203 | 148 | 100 | 289  | 189  |
| 2026-27                                     | 361  | 284 | 337 | 434 | 200 | 150 | 97  | 273  | 176  |
| 2027-28                                     | 355  | 275 | 323 | 420 | 188 | 145 | 97  | 281  | 184  |
| 2028-29                                     | 356  | 273 | 314 | 411 | 179 | 138 | 97  | 282  | 185  |
| 2029-30                                     | 358  | 272 | 311 | 396 | 161 | 124 | 85  | 269  | 184  |
| 2030-31                                     | 366  | 277 | 312 | 389 | 154 | 112 | 77  | 259  | 182  |
| 2031-32                                     | 369  | 277 | 317 | 388 | 154 | 111 | 71  | 241  | 170  |

| Projected Percentage Changes |      |       |        |
|------------------------------|------|-------|--------|
| Year                         | K-12 | Diff. | %      |
| 2021-22                      | 713  | 0     | 0.0%   |
| 2022-23                      | 693  | -20   | -2.8%  |
| 2023-24                      | 668  | -25   | -3.6%  |
| 2024-25                      | 641  | -27   | -4.0%  |
| 2025-26                      | 632  | -9    | -1.4%  |
| 2026-27                      | 610  | -22   | -3.5%  |
| 2027-28                      | 604  | -6    | -1.0%  |
| 2028-29                      | 596  | -8    | -1.3%  |
| 2029-30                      | 580  | -16   | -2.7%  |
| 2030-31                      | 571  | -9    | -1.6%  |
| 2031-32                      | 558  | -13   | -2.3%  |
| Change                       | -155 |       | -21.7% |

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

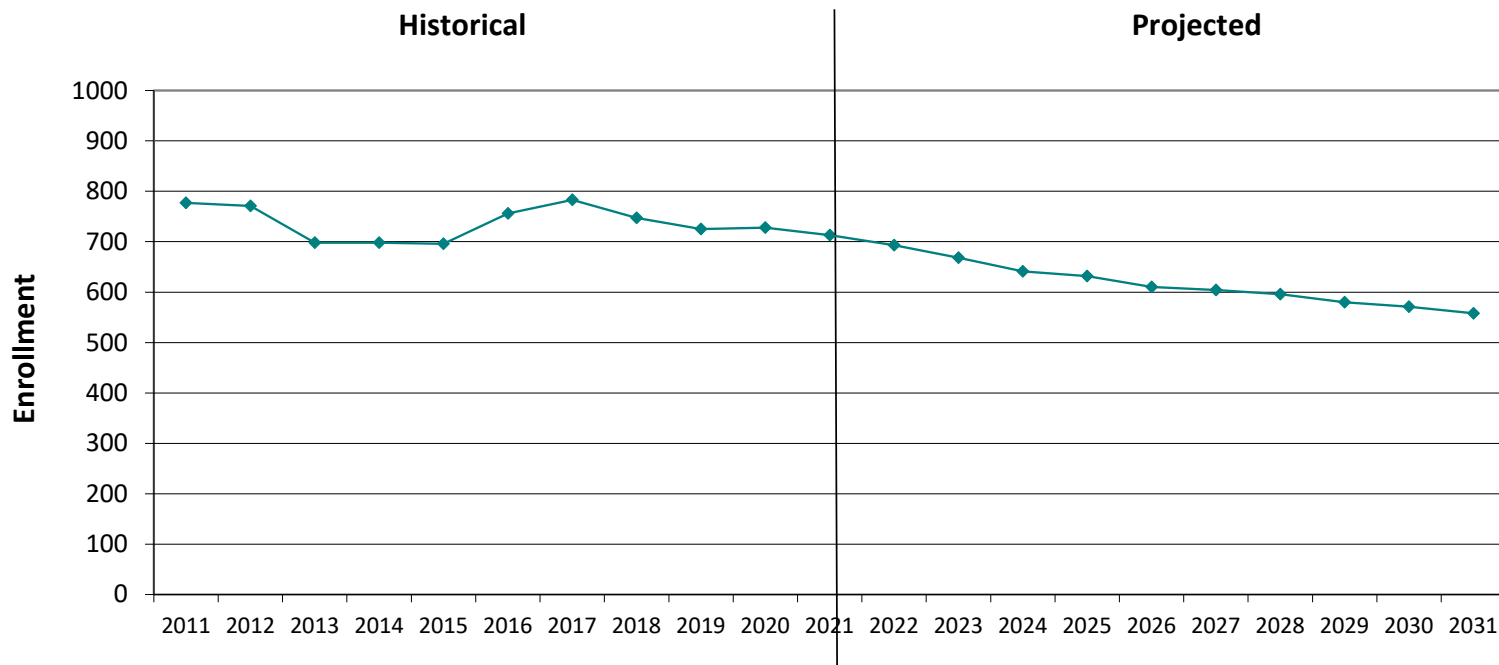
# Projected Enrollment

**K-12 To 2031 Based On Data Through School Year 2021-22**

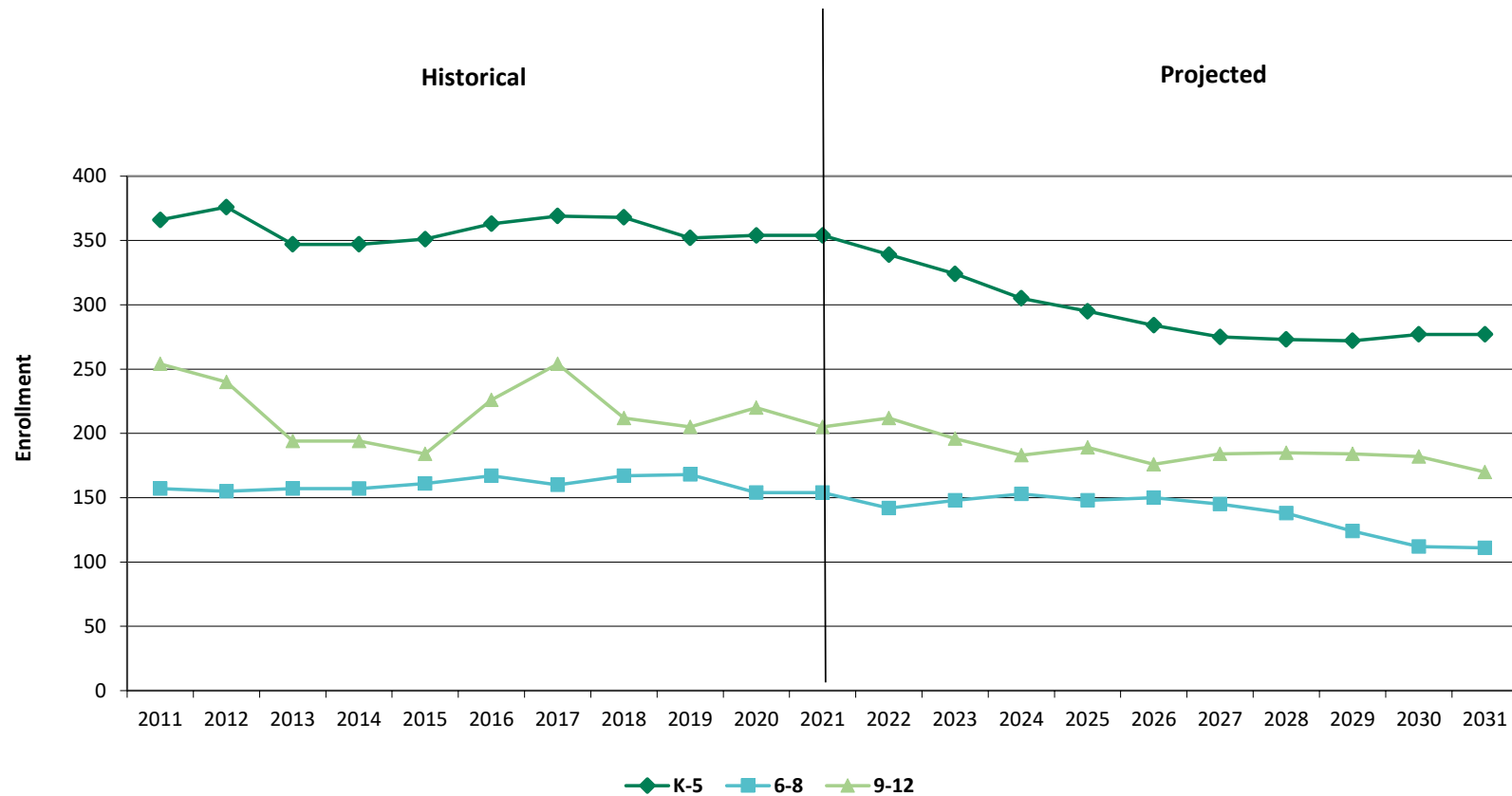


# Historical & Projected Enrollment

**K-12, 2011-2031**

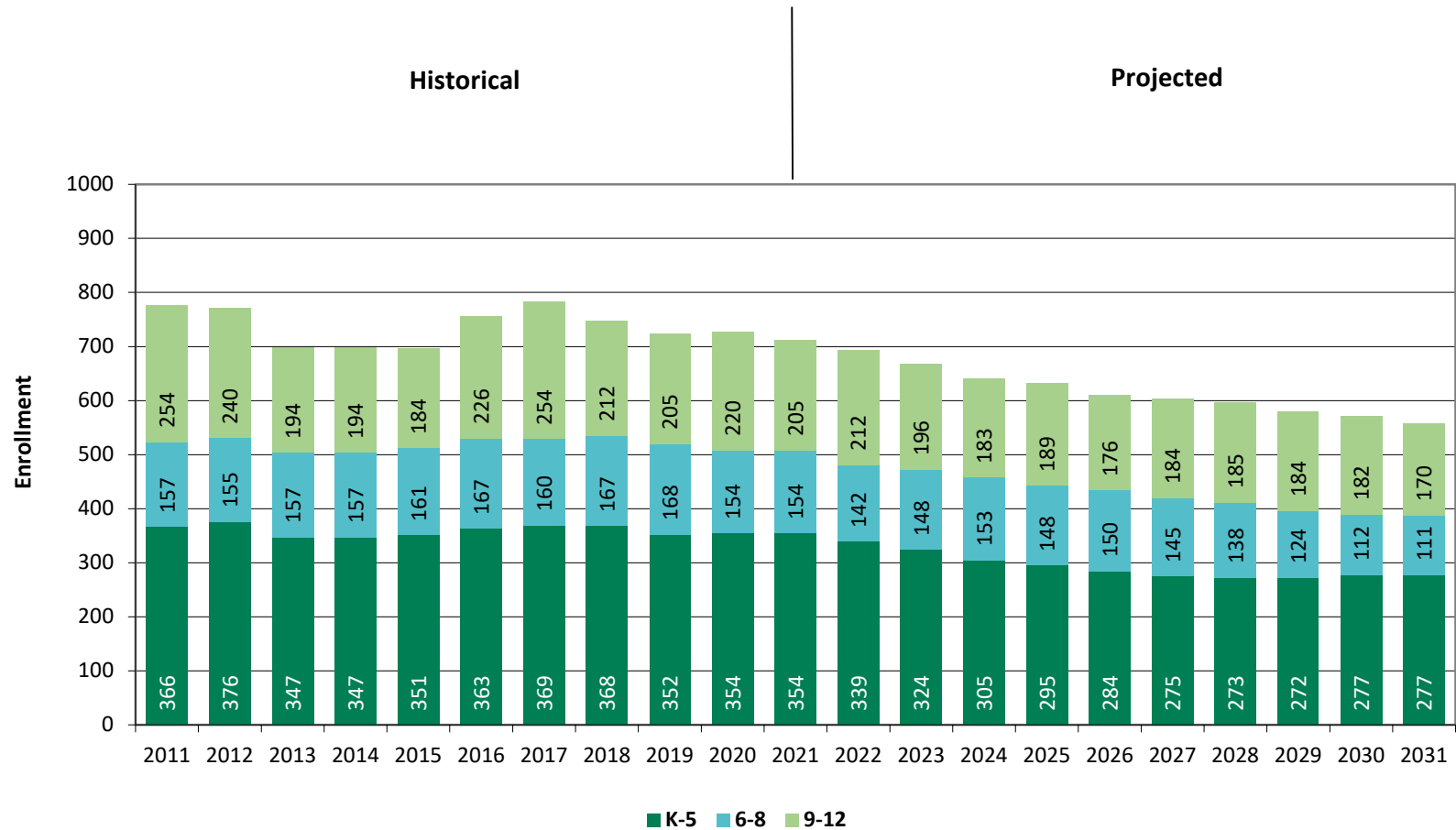


## Historical & Projected Enrollments in Grade Combinations

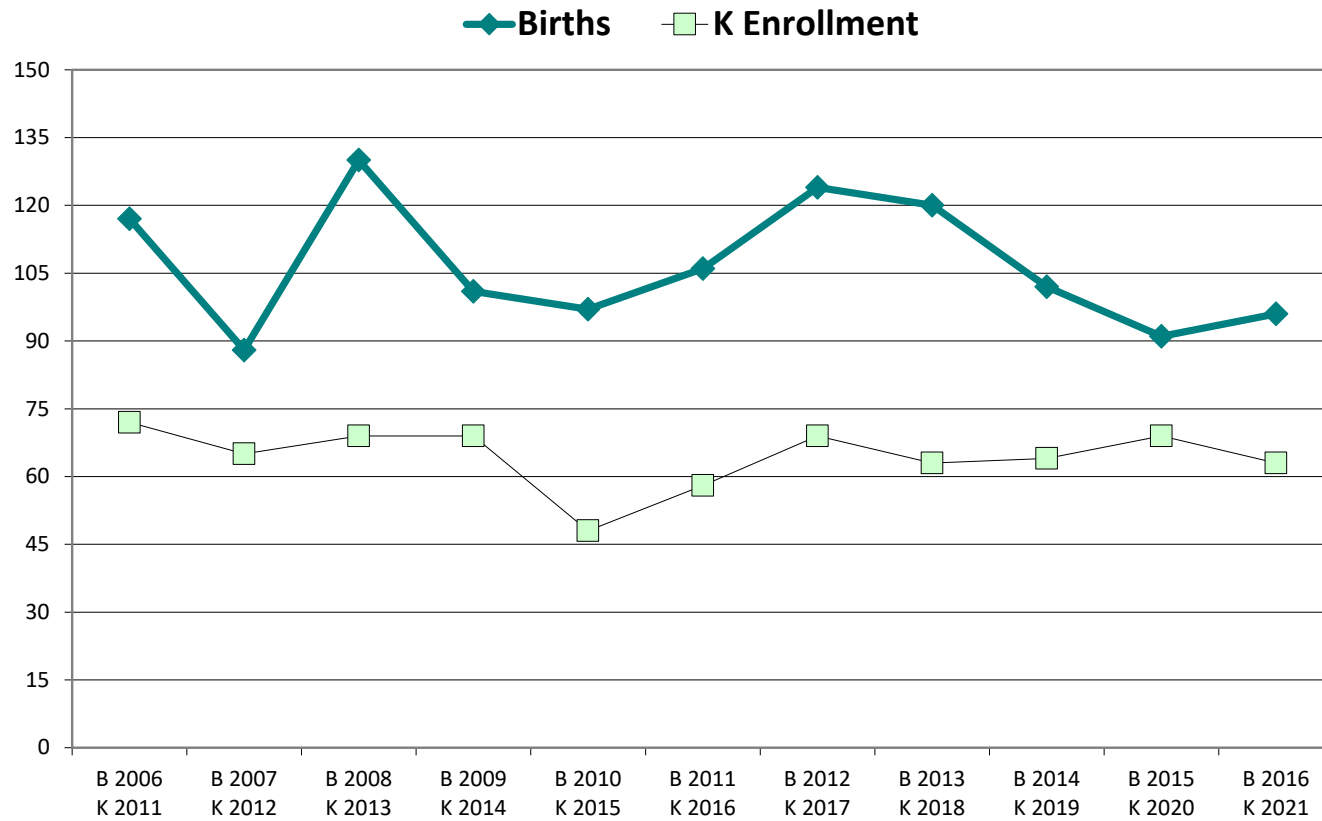




# Historical & Projected Enrollments in Grade Combinations



## Birth-to-Kindergarten Relationship



## Additional Data

| Building Permits Issued<br>(Source: HUD) |               |             |
|--|---------------|-------------|
| Year                                     | Single-Family | Multi-Units |
| 2011                                     | 0             | 0           |
| 2017                                     | 0             | 46          |
| 2018                                     | 1             | 68          |
| 2019                                     | 3             | 118         |
| 2020                                     | 4             | 188         |
| 2021                                     | 0 to date     | 0 to date   |

| Enrollment History* |                           |                          |
|---------------------|---------------------------|--------------------------|
| Year                | Career-Tech<br>9-12 Total | Non-Public<br>K-12 Total |
| 2011-12             | 0                         | 0                        |
| 2017-18             | n/a                       | 40                       |
| 2018-19             | n/a                       | 38                       |
| 2019-20             | 29                        | 38                       |
| 2020-21             | 27                        | 24                       |
| 2021-22             | 24                        | 19                       |

| Residents in Non-Public Independent and Parochial Schools (General Education)* |   |   |   |   |   |   |   |   |   |   |    |    |    |            |
|--|---|---|---|---|---|---|---|---|---|---|----|----|----|------------|
| Enrollments<br>as of Oct. 1  | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | K-12 TOTAL |
|  | 3 | 2 | 1 | 2 | 1 | 4 | 1 | 4 | 1 | 0 | 0  | 0  | 0  | 19         |

| K-12 Home-Schooled<br>Students* |   |
|---------------------------------|---|
| 2021                            | 6 |

| K-12 Residents in Charter or Magnet<br>Schools, or Choiced-out* |   |
|---|---|
| 2021  | 6 |

| K-12 Special Education<br>Outplaced Students* |    |
|---|----|
| 2021  | 13 |

| K-12 Tuitioned-In, Choiced-In,<br>& Other Non-Residents* |   |
|--|---|
| 2021   | 7 |

\*The above data were provided by the district, with the exception of building permit data (provided by HUD).

"n/a" signifies that information was not provided by District.

## New England's PK-12 Enrollments The "Big Picture"

From 2018 to 2029, the U.S. Department of Education anticipates changes in PK-12 enrollment of +3.3% in the South; +0.9% in the West, -1.8% in the Midwest; and -2.6% in the Northeast.

| State | Fall 2018<br>PK 12 | Fall 2029<br>Projected | PK 12<br>Decline | % Change,<br>2018-2029 |
|-------|--------------------|------------------------|------------------|------------------------|
| CT    | 526,634            | 478,000                | -48,634          | -9.2%                  |
| ME    | 180,461            | 174,500                | -5,961           | -3.3%                  |
| MA    | 962,297            | 945,400                | -16,897          | -1.8%                  |
| NH    | 178,515            | 166,100                | -12,415          | -6.9%                  |
| RI    | 143,436            | 139,900                | -3,536           | -2.5%                  |
| VT    | 87,074             | 82,000                 | -5,074           | -5.8%                  |

**SOURCE:** U.S. Department of Education, National Center for Education Statistics, Table 203.20, August 2020

Note: Data collected prior to 2020 Coronavirus pandemic.

Although most New England districts are seeing a decline in the number of births, NESDEC's experience indicates that the impact on enrollment varies from one district to the next. Almost half of New England Districts have been growing in PK-12 enrollment, and a similar number are declining (often in rural areas), with the other districts remaining stable.

## 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 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 2018-19 increased to 104 students in Grade 2 in 2019-20, 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. Projections are generally most reliable when they are closest in time to the current year, and the more stable the variables noted above, the easier and more reliable the projections. Projections six to ten years out may serve as a guide to future enrollments and are useful for facility planning purposes, but 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**. 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” slide/page.

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)).