# Mohawk Regional Schools Demographic Study Report

**November 7, 2022**

# Buckland-Shelburne Elementary School Mohawk Regional Schools Demographic Study Report

**November 7, 2022**

# NESDEC Project Team

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## Demographic Analysis

**Buckland Births – Data provided by the State Vital Records Department**

- Between 2007and 2012, Buckland births averaged 17 per year.

- Between 2013 and 2020, the average births decreased to 12 per year.

- In 2021, provisional births* were 7.


- Births have decreased over the past 15 years, to a low of 8 in 2020 and a provisional number of 7 for 2021, which could lead to lower Kindergarten enrollments.


- *Note: Provisional births are a preliminary number that has yet to be certified by the state.

# Demographic Analysis

**Shelburne Births – Data provided by the State Vital Records Department**

- Between 2007 and 2012, Shelburne births averaged 16 per year.

- From 2013 to 2020, average births decreased to 10 per year.

- In 2021, the provisional births* were 11.


- An average of 16 births per year during 2007-2012 decreased to an average of 10 births per year for 2013-2020. The provisional births are projected at 11 for 2021, similar to the average for the past 7 years, which could lead to a stabilization of Kindergarten enrollment. Of note, Shelburne saw a decrease in births for year 2018 and 2019 of 6 and 8 births respectively, which increased to 10 births in 2020.


- *Note: Provisional births are a preliminary number that has yet to be certified by the state.

## Information Gained from Buckland and Shelburne Officials

NESDEC contacted numerous officials in Buckland and Shelburne to determine if there were any major residential housing projects in either community that were permitted and under construction. NESDEC reviews this information to determine if there would be an impact to student enrollment, as there is a potential for K-12 students to move to these new residences. Since there are no major residential housing projects recorded in either community, there would be no impact to student enrollment (see Slide 32).

Additionally, Housing and Urban Development (HUD) reported data can be found on the next slide. The building permit information on this chart is submitted to HUD by the town officials. To review, in 2022, Buckland reported 0 single-family home permits as did Shelburne; and in 2021, Buckland reported 1 single-family home permit and Shelburne reported 2 single-family home permits. Potential buyers of these single-family homes, who may have children, will have minimal impact on student enrollment.

# Enrollment Projections

# Historical Enrollment

## K-6, School Years 2012-13 to 2022-23

| School Year | Enrollment |
|---|---|
| 2012-13 | 185 |
| 2013-14 | 169 |
| 2014-15 | 188 |
| 2015-16 | 209 |
| 2016-17 | 214 |
| 2017-18 | 224 |
| 2018-19 | 241 |
| 2019-20 | 230 |
| 2020-21 | 225 |
| 2021-22 | 242 |
| 2022-23 | 247 |

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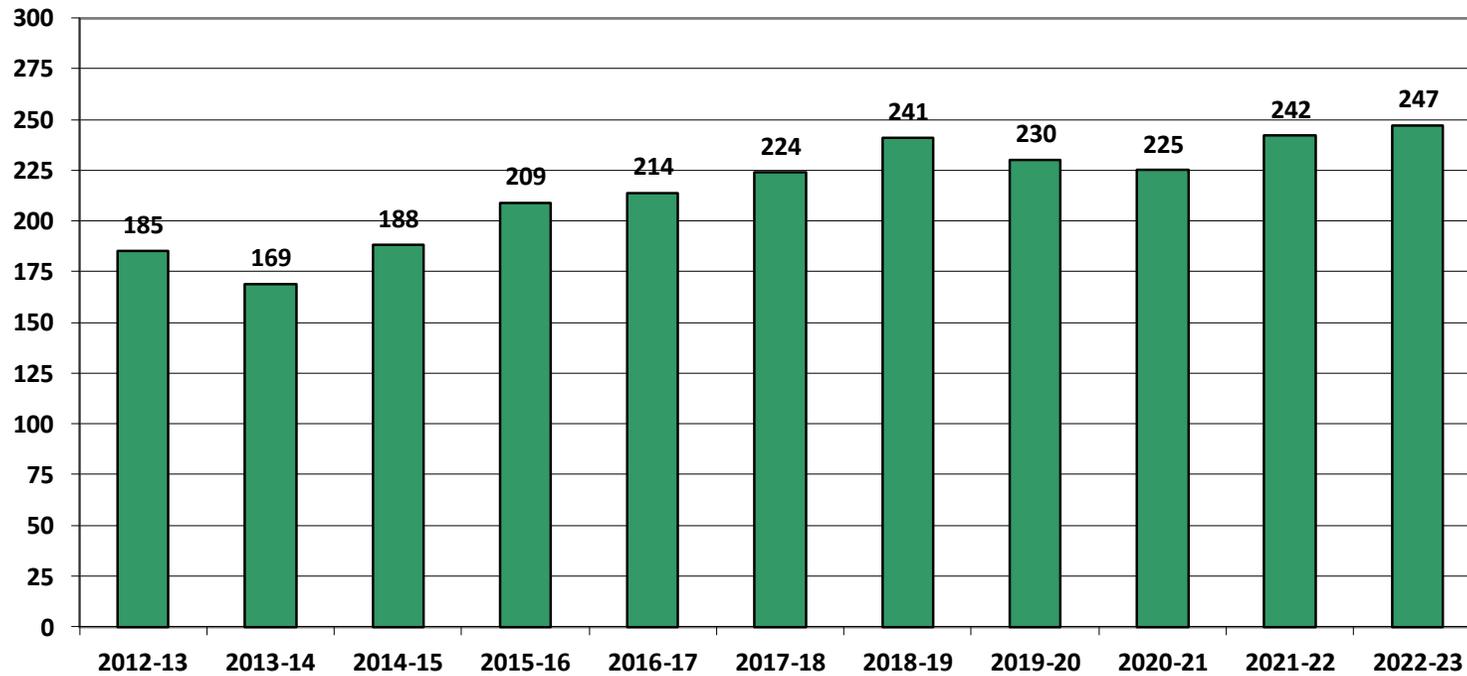
# Projected Enrollment

**School District:**      **Buckland-Shelburne Elementary School**                  **10/31/2022**

| Birth Year | Births* | | School Year | PK | K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | UNGR | K-6 | PK-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2017 | 25 | | 2022-23 | 30 | 27 | 32 | 33 | 35 | 42 | 41 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 247 | 277 |
| 2018 | 21 | | 2023-24 | 31 | 23 | 30 | 35 | 34 | 36 | 42 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 243 | 274 |
| 2019 | 21 | | 2024-25 | 32 | 23 | 26 | 32 | 36 | 35 | 36 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 232 | 264 |
| 2020 | 18 | | 2025-26 | 33 | 20 | 26 | 28 | 33 | 37 | 35 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 217 | 250 |
| 2021 | 18 | (prov.) | 2026-27 | 34 | 20 | 22 | 28 | 29 | 34 | 37 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 207 | 241 |
| 2022 | 21 | (est.) | 2027-28 | 35 | 23 | 22 | 24 | 29 | 30 | 34 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 236 |
| 2023 | 20 | (est.) | 2028-29 | 36 | 22 | 26 | 24 | 24 | 30 | 30 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192 | 228 |
| 2024 | 19 | (est.) | 2029-30 | 37 | 21 | 25 | 28 | 24 | 25 | 30 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 | 222 |
| 2025 | 19 | (est.) | 2030-31 | 38 | 21 | 24 | 27 | 29 | 25 | 25 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 183 | 221 |
| 2026 | 19 | (est.) | 2031-32 | 39 | 21 | 24 | 26 | 28 | 30 | 25 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 219 |
| 2027 | 20 | (est.) | 2032-33 | 40 | 22 | 24 | 26 | 27 | 29 | 30 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 184 | 224 |

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 | K-1 | 2-3 | 4-6 | K-6 | PK-6 | 6-8 | 7-8 | 7-12 | 9-12 |
|---|---|---|---|---|---|---|---|---|---|
| 2022-23 | 59 | 68 | 120 | 247 | 277 | 0 | 0 | 0 | 0 |
| 2023-24 | 53 | 69 | 121 | 243 | 274 | 0 | 0 | 0 | 0 |
| 2024-25 | 49 | 68 | 115 | 232 | 264 | 0 | 0 | 0 | 0 |
| 2025-26 | 46 | 61 | 110 | 217 | 250 | 0 | 0 | 0 | 0 |
| 2026-27 | 42 | 57 | 108 | 207 | 241 | 0 | 0 | 0 | 0 |
| 2027-28 | 45 | 53 | 103 | 201 | 236 | 0 | 0 | 0 | 0 |
| 2028-29 | 48 | 48 | 96 | 192 | 228 | 0 | 0 | 0 | 0 |
| 2029-30 | 46 | 52 | 87 | 185 | 222 | 0 | 0 | 0 | 0 |
| 2030-31 | 45 | 56 | 82 | 183 | 221 | 0 | 0 | 0 | 0 |
| 2031-32 | 45 | 54 | 81 | 180 | 219 | 0 | 0 | 0 | 0 |
| 2032-33 | 46 | 53 | 85 | 184 | 224 | 0 | 0 | 0 | 0 |

**Projected Percentage Changes**

| Year | K-6 | Diff. | % |
|---|---|---|---|
| 2022-23 | 247 | 0 | 0.0% |
| 2023-24 | 243 | -4 | -1.6% |
| 2024-25 | 232 | -11 | -4.5% |
| 2025-26 | 217 | -15 | -6.5% |
| 2026-27 | 207 | -10 | -4.6% |
| 2027-28 | 201 | -6 | -2.9% |
| 2028-29 | 192 | -9 | -4.5% |
| 2029-30 | 185 | -7 | -3.6% |
| 2030-31 | 183 | -2 | -1.1% |
| 2031-32 | 180 | -3 | -1.6% |
| 2032-33 | 184 | 4 | 2.2% |
| **Change** | | **-63** | **-25.5%** |

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

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NOTE 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." Over the next three years, K-6 enrollments are projected to decrease by 30 students, as students move through the grades. Note: Lower grade level

# Projected Enrollment

## K-6, School Years 2022-23 to 2032-33

| School Year | Enrollment |
|---|---|
| 2022-23 | 247 |
| 2023-24 | 243 |
| 2024-25 | 232 |
| 2025-26 | 217 |
| 2026-27 | 207 |
| 2027-28 | 201 |
| 2028-29 | 192 |
| 2029-30 | 185 |
| 2030-31 | 183 |
| 2031-32 | 180 |
| 2032-33 | 184 |

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# Historical & Projected Enrollment
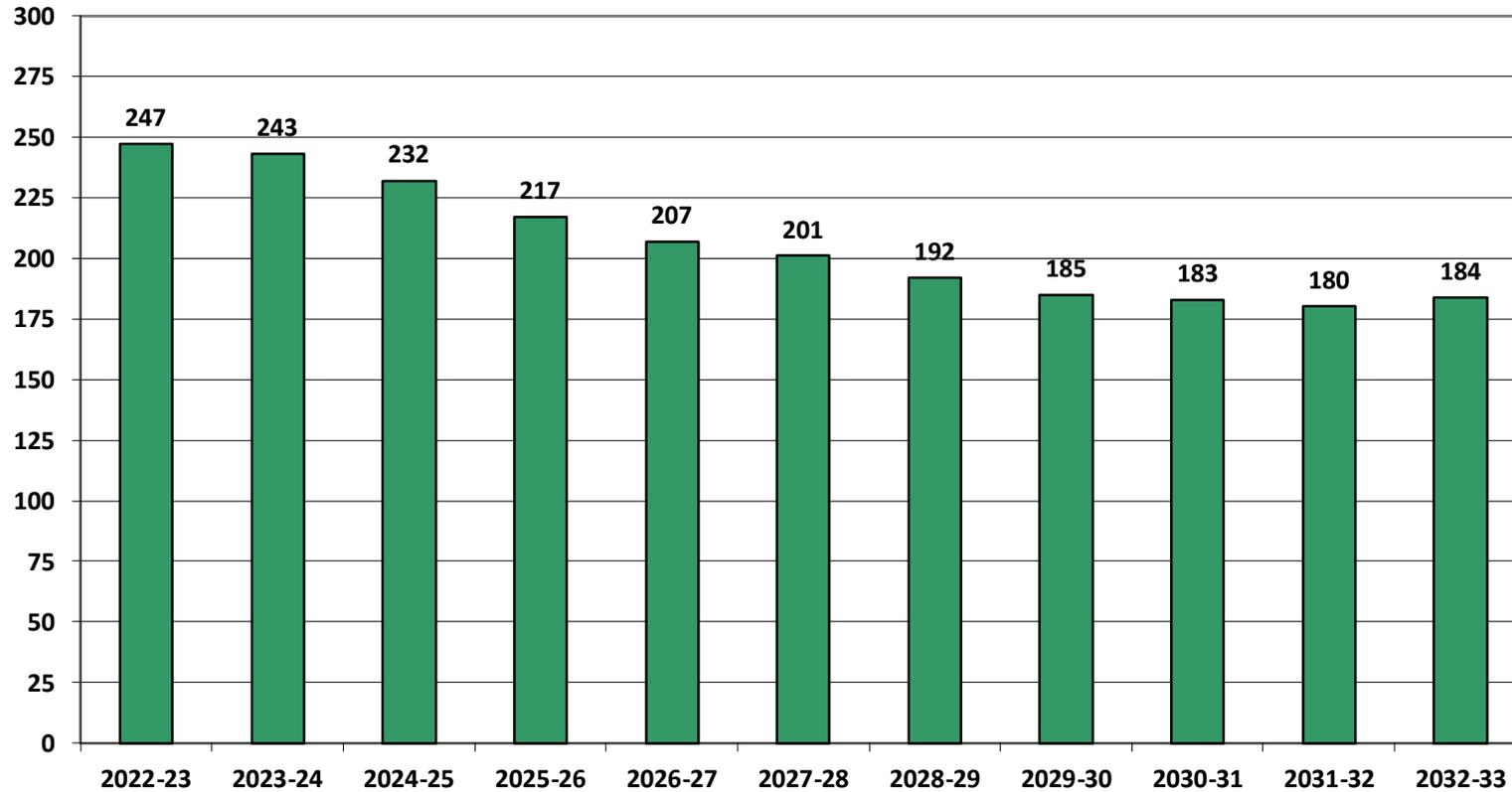
Historical | Projected

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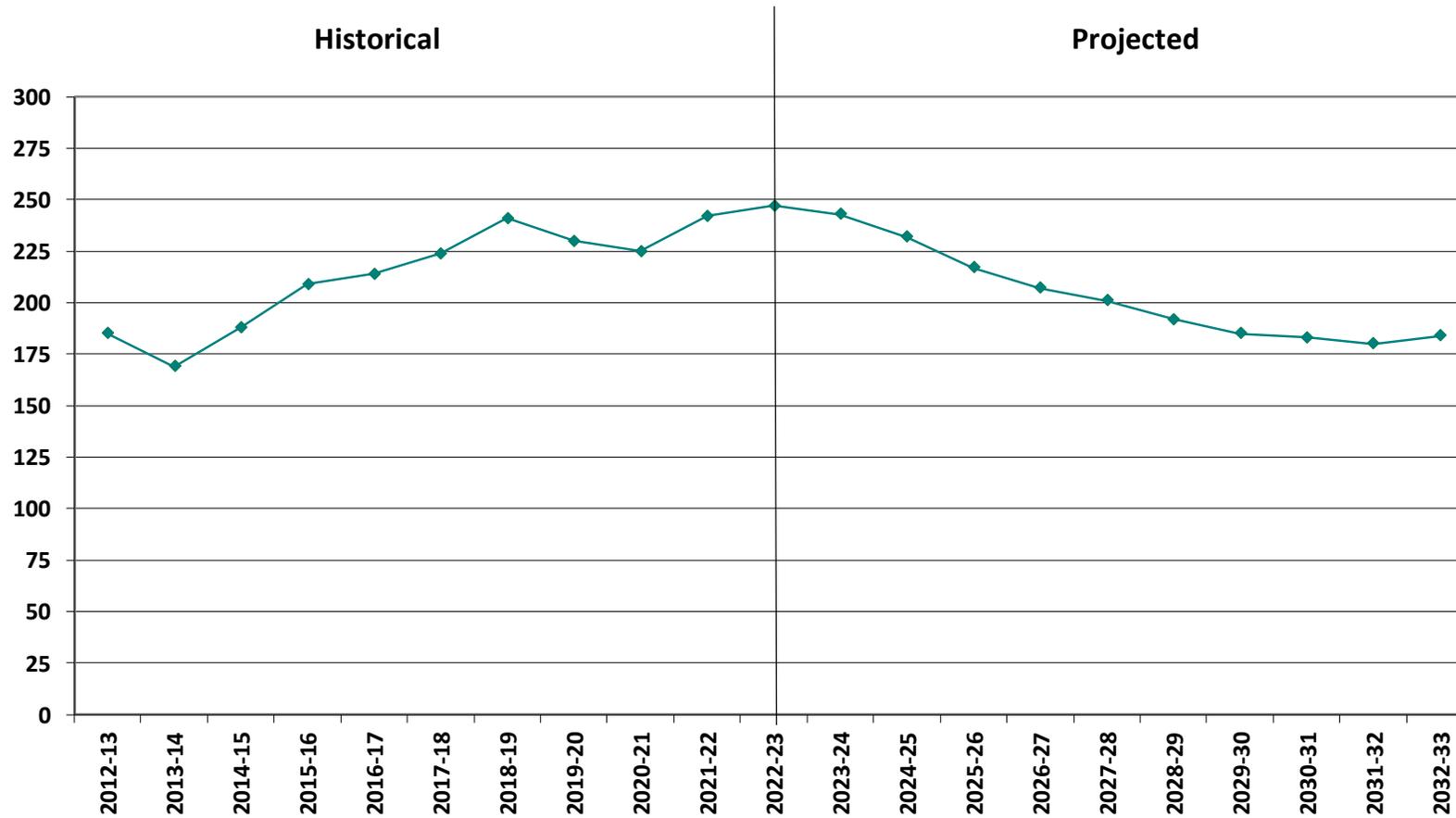
# Colrain Central School
# Mohawk Regional Schools
# Demographic Study
# Report

**November 7, 2022**

## Demographic Analysis

**Colrain Births – Data provided by the State Vital Records Department**

- Between 2007 and 2012, Colrain births averaged 14 per year.

- From 2013 to 2020, the average births decreased to 13 per year.

- In 2021, the provisional births* were 20.

Average births have remained stable over the past 15 years, with a low of 7 births in 2019 and a high of 20 provisional births for 2021. These variances in birth numbers can lead to variances in Kindergarten enrollments.

*Note: Provisional births are a preliminary number that has yet to be certified by the state.

## Demographic Analysis

**Heath Births – Data provided by the State Vital Records Department**

- Between 2007 and 2012, Heath births averaged 7 per year.

- From 2012 – 2017, average births decreased to 3 per year.

- In 2021, the provisional births* were 6.

An average of 7 births per year during 2007-2012 decreased to an average of 3 births per year for 2013-2020. The 2021 provisional births are projected to increase to 6 per year, which could have an impact on Kindergarten enrollment going forward.

*Note: Provisional births are a preliminary number that has yet to be certified by the state.

## Information Gained from Colrain and Heath Officials

NESDEC contacted numerous officials in Colrain and Heath to determine if there were any major residential housing projects in either community that were permitted and under construction. NESDEC reviews this information to determine if there would be an impact to student enrollment, as there is a potential for K-12 students to move to these new residences. Since there are no major residential housing projects recorded in either community, there would be no impact to student enrollment (see Slide 32).

Additionally, Housing and Urban Development (HUD) reported data can be found on the next slide. The building permit information on this chart is submitted to HUD by the town officials. To review, in 2022, Colrain reported 3 single-family home permits and Heath reported 1 single-family home permit; and in 2021, Colrain and Heath reported no single-family home permits. Potential buyers of these single-family homes, who may have children, will have minimal impact on student enrollment.

# Enrollment Projections

# Historical Enrollment

**K-6, School Years 2012-13 to 2022-23**

| School Year | Enrollment |
|---|---|
| 2012-13 | 96 |
| 2013-14 | 99 |
| 2014-15 | 97 |
| 2015-16 | 92 |
| 2016-17 | 100 |
| 2017-18 | 93 |
| 2018-19 | 92 |
| 2019-20 | 91 |
| 2020-21 | 67 |
| 2021-22 | 77 |
| 2022-23 | 88 |

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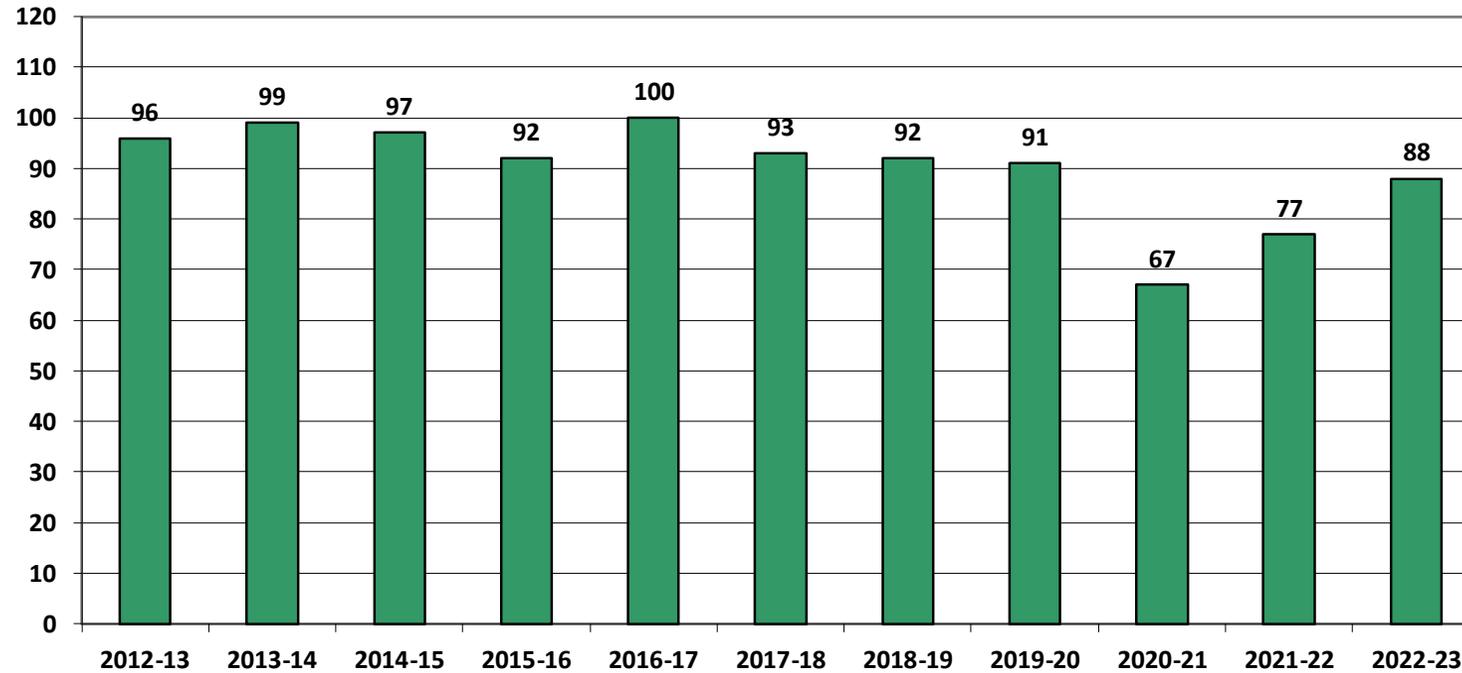
# Projected Enrollment

**School District:** Colrain Central School

10/31/2022

Note: Lower grade level enrollments are less statistically reliable due to the small grade level cohort size.

## 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-6 | PK-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2017 | 20 | | 2022-23 | 19 | 12 | 9 | 15 | 8 | 14 | 15 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 107 |
| 2018 | 16 | | 2023-24 | 19 | 9 | 12 | 9 | 14 | 9 | 18 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 105 |
| 2019 | 9 | | 2024-25 | 19 | 5 | 9 | 12 | 8 | 16 | 11 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 98 |
| 2020 | 15 | | 2025-26 | 20 | 9 | 5 | 9 | 11 | 9 | 20 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 94 |
| 2021 | 26 | (prov.) | 2026-27 | 20 | 15 | 9 | 5 | 8 | 12 | 11 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 100 |
| 2022 | 17 | (est.) | 2027-28 | 20 | 10 | 15 | 9 | 5 | 9 | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 | 94 |
| 2023 | 17 | (est.) | 2028-29 | 21 | 10 | 10 | 15 | 8 | 6 | 11 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 96 |
| 2024 | 17 | (est.) | 2029-30 | 21 | 10 | 10 | 10 | 14 | 9 | 8 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 93 |
| 2025 | 18 | (est.) | 2030-31 | 21 | 11 | 10 | 10 | 9 | 16 | 11 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 96 |
| 2026 | 19 | (est.) | 2031-32 | 22 | 11 | 11 | 10 | 9 | 10 | 20 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 82 | 104 |
| 2027 | 18 | (est.) | 2032-33 | 22 | 10 | 11 | 11 | 9 | 10 | 13 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 106 |

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 | K-1 | 2-3 | 4-6 | K-6 | PK-6 | 6-8 | 7-8 | 7-12 | 9-12 |
|---|---|---|---|---|---|---|---|---|---|
| 2022-23 | 21 | 23 | 44 | 88 | 107 | 0 | 0 | 0 | 0 |
| 2023-24 | 21 | 23 | 42 | 86 | 105 | 0 | 0 | 0 | 0 |
| 2024-25 | 14 | 20 | 45 | 79 | 98 | 0 | 0 | 0 | 0 |
| 2025-26 | 14 | 20 | 40 | 74 | 94 | 0 | 0 | 0 | 0 |
| 2026-27 | 24 | 13 | 43 | 80 | 100 | 0 | 0 | 0 | 0 |
| 2027-28 | 25 | 14 | 35 | 74 | 94 | 0 | 0 | 0 | 0 |
| 2028-29 | 20 | 23 | 32 | 75 | 96 | 0 | 0 | 0 | 0 |
| 2029-30 | 20 | 24 | 28 | 72 | 93 | 0 | 0 | 0 | 0 |
| 2030-31 | 21 | 19 | 35 | 75 | 96 | 0 | 0 | 0 | 0 |
| 2031-32 | 22 | 19 | 41 | 82 | 104 | 0 | 0 | 0 | 0 |
| 2032-33 | 21 | 20 | 43 | 84 | 106 | 0 | 0 | 0 | 0 |

## Projected Percentage Changes

| Year | K-6 | Diff. | % |
|---|---|---|---|
| 2022-23 | 88 | 0 | 0.0% |
| 2023-24 | 86 | -2 | -2.3% |
| 2024-25 | 79 | -7 | -8.1% |
| 2025-26 | 74 | -5 | -6.3% |
| 2026-27 | 80 | 6 | 8.1% |
| 2027-28 | 74 | -6 | -7.5% |
| 2028-29 | 75 | 1 | 1.4% |
| 2029-30 | 72 | -3 | -4.0% |
| 2030-31 | 75 | 3 | 4.2% |
| 2031-32 | 82 | 7 | 9.3% |
| 2032-33 | 84 | 2 | 2.4% |
| Change | | -4 | -4.5% |

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

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NOTE: 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." Over the next three years, K-6 enrollments are projected to decrease by 14 students, as students move through the grades. Note: Lower grade level enrollments are less statistically reliable due to the small grade level cohort size.

# Historical & Projected Enrollment
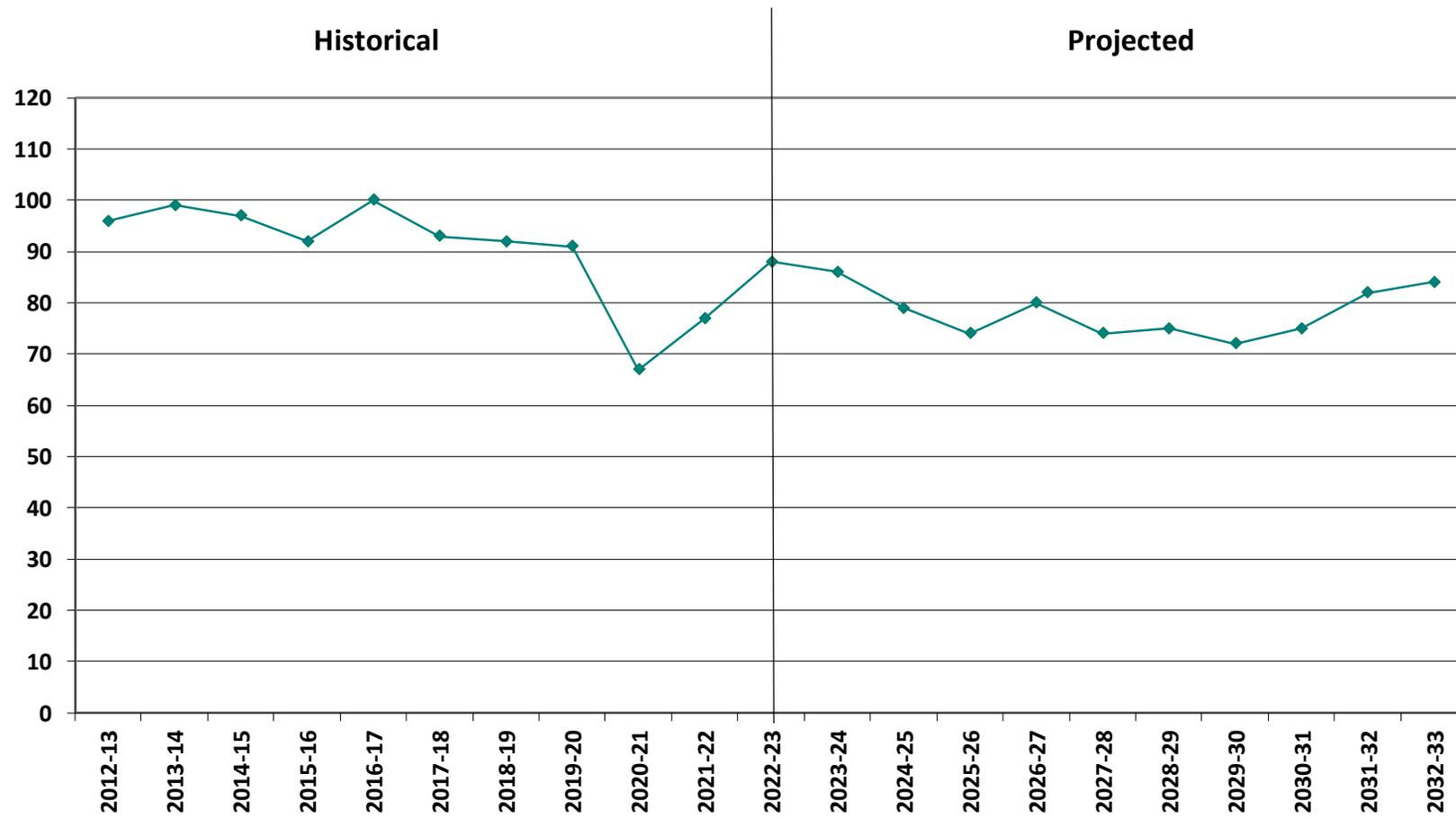
**Demographic Study Summary**

The communities of Colrain and Heath value the education of their students. There are some demographic factors to consider going forward:

- The population in Colrain declined in 2020, and the population in Heath has decreased moderately.
- The median age of residents is aging overall.
- The percentage of K-12 students per housing unit is decreasing.
- Births are declining which has an impact on Kindergarten enrollments.
- Real estate sales have recovered to pre-recession levels.
- There are no major new residential construction projects.
- Enrollments are projected to decline over the next three years.

## Demographic Analysis

**Ashfield Births – Data provided by the State Vital Records Department**

- Between 2007 and 2012, Ashfield births averaged 12 per year.

- From 2013 to 2020, average births decreased to 10 per year.

- In 2021, the provisional births* were 10.

Over the past 15 years, births have ranged from a high of 19 (2012), to a low of 5 (2020) which does have an impact on Kindergarten enrollments. See graph.

*Note: Provisional births are a preliminary number that has yet to be certified by the state.

# Demographic Analysis

**Plainfield Births – Data provided by the State Vital Records Department**

- Between 2007 and 2012, Plainfield births averaged 5 per year.

- From 2013 to 2020, average births decreased to 3 per year.

- In 2021, the provisional births* were 6.

An average of 5 births per year during 2007-2012 decreased to an average of 3 per year for 2013-2020. The provisional births are projected to increase to 6 (2018-2020), which could impact Kindergarten enrollment.

*Note: Provisional births are a preliminary number that has yet to be certified by the state.

## Information Gained from Ashfield and Plainfield Officials

NESDEC contacted numerous officials in Ashfield and Plainfield to determine if there were any major residential housing projects in either community that were permitted and under construction. NESDEC reviews this information to determine if there would be an impact to student enrollment, as there is a potential for K-12 students to move to these new residences. Since there are no major residential housing projects recorded in either community, there would be no impact to student enrollment (see Slide 32).

Additionally, Housing and Urban Development (HUD) reported data can be found on the next slide. The building permit information on this chart is submitted to HUD by the town officials. To review, in 2022, Ashfield reported 4 single-family home permits and Plainfield reported 1 single-family home permit; and in 2021, Ashfield reported 2 single-family home permits and Plainfield reported 3 single-family home permits. Potential buyers of these single-family homes, who may have children, will have minimal impact on student enrollment.

# Enrollment Projections

# Historical Enrollment

## K-6, School Years 2012-13 to 2022-23

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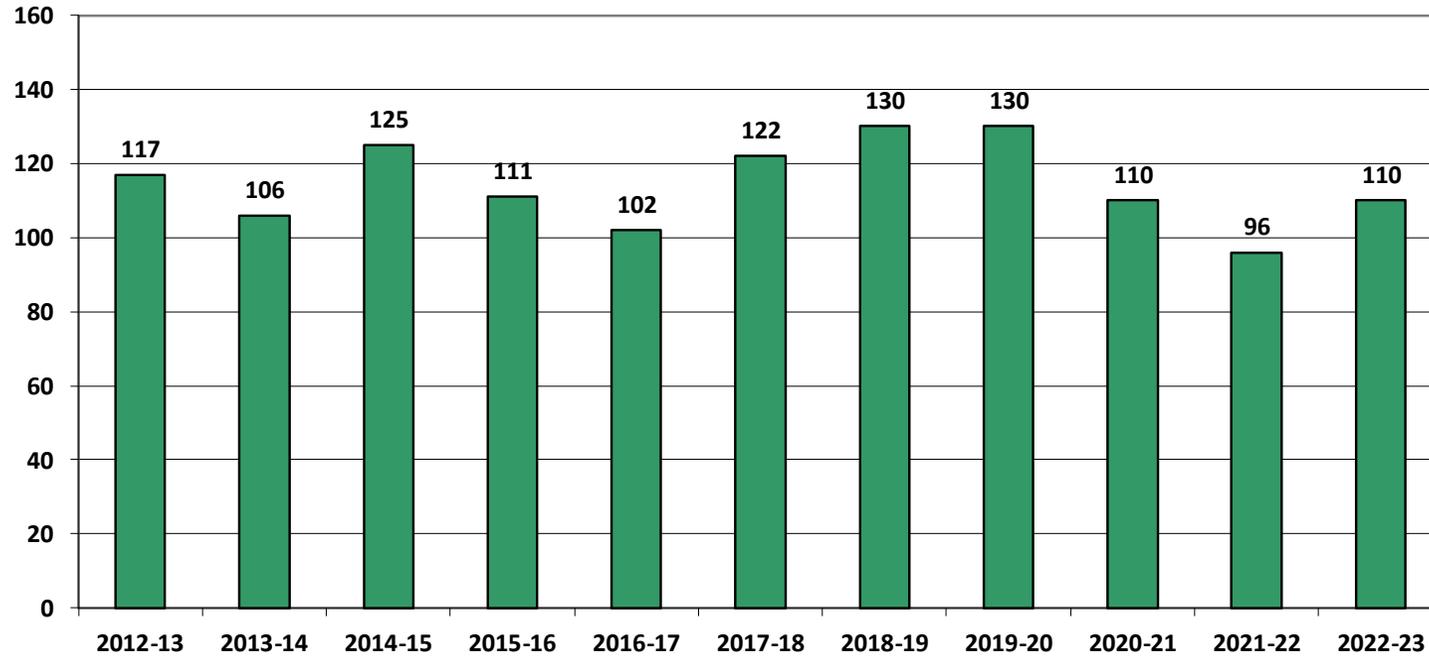
# Projected Enrollment

**School District:** Sanderson Academy

Note: Lower grade level enrollments are less statistically reliable due to the small grade level cohort size.

## 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-6 | PK-6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2017 | 18 | | 2022-23 | 33 | 17 | 13 | 12 | 13 | 15 | 22 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110 | 143 |
| 2018 | 13 | | 2023-24 | 33 | 13 | 18 | 14 | 11 | 13 | 14 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 104 | 137 |
| 2019 | 16 | | 2024-25 | 34 | 16 | 13 | 19 | 13 | 11 | 12 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 132 |
| 2020 | 8 | | 2025-26 | 34 | 8 | 17 | 14 | 18 | 13 | 10 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 126 |
| 2021 | 16 | (prov.) | 2026-27 | 35 | 16 | 8 | 18 | 13 | 18 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 130 |
| 2022 | 14 | (est.) | 2027-28 | 35 | 14 | 17 | 8 | 17 | 13 | 17 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 133 |
| 2023 | 13 | (est.) | 2028-29 | 36 | 13 | 15 | 18 | 8 | 17 | 12 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 136 |
| 2024 | 14 | (est.) | 2029-30 | 36 | 13 | 13 | 16 | 17 | 8 | 16 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 131 |
| 2025 | 13 | (est.) | 2030-31 | 37 | 13 | 13 | 14 | 15 | 17 | 7 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 | 132 |
| 2026 | 14 | (est.) | 2031-32 | 37 | 14 | 13 | 14 | 13 | 15 | 16 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 129 |
| 2027 | 14 | (est.) | 2032-33 | 38 | 13 | 15 | 14 | 13 | 13 | 14 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 136 |

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 | K-1 | 2-3 | 4-6 | K-6 | PK-6 | 6-8 | 7-8 | 7-12 | 9-12 |
|---|---|---|---|---|---|---|---|---|---|
| 2022-23 | 30 | 25 | 55 | 110 | 143 | 0 | 0 | 0 | 0 |
| 2023-24 | 31 | 25 | 48 | 104 | 137 | 0 | 0 | 0 | 0 |
| 2024-25 | 29 | 32 | 37 | 98 | 132 | 0 | 0 | 0 | 0 |
| 2025-26 | 25 | 32 | 35 | 92 | 126 | 0 | 0 | 0 | 0 |
| 2026-27 | 24 | 31 | 40 | 95 | 130 | 0 | 0 | 0 | 0 |
| 2027-28 | 31 | 25 | 42 | 98 | 133 | 0 | 0 | 0 | 0 |
| 2028-29 | 28 | 26 | 46 | 100 | 136 | 0 | 0 | 0 | 0 |
| 2029-30 | 26 | 33 | 36 | 95 | 131 | 0 | 0 | 0 | 0 |
| 2030-31 | 26 | 29 | 40 | 95 | 132 | 0 | 0 | 0 | 0 |
| 2031-32 | 27 | 27 | 38 | 92 | 129 | 0 | 0 | 0 | 0 |
| 2032-33 | 28 | 27 | 43 | 98 | 136 | 0 | 0 | 0 | 0 |

## Projected Percentage Changes

| Year | K-6 | Diff. | % |
|---|---|---|---|
| 2022-23 | 110 | 0 | 0.0% |
| 2023-24 | 104 | -6 | -5.5% |
| 2024-25 | 98 | -6 | -5.8% |
| 2025-26 | 92 | -6 | -6.1% |
| 2026-27 | 95 | 3 | 3.3% |
| 2027-28 | 98 | 3 | 3.2% |
| 2028-29 | 100 | 2 | 2.0% |
| 2029-30 | 95 | -5 | -5.0% |
| 2030-31 | 95 | 0 | 0.0% |
| 2031-32 | 92 | -3 | -3.2% |
| 2032-33 | 98 | 6 | 6.5% |
| Change | | -12 | -10.9% |

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

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NOTE: 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." Over the next three years, K-6 enrollments are projected to decrease by 18 students, as students move through the grades. Note: Lower grade level enrollments are less statistically reliable due to the small grade level cohort size.

# Projected Enrollment

**K-6, School Years 2022-23 to 2032-33**

Historical & Projected Enrollment

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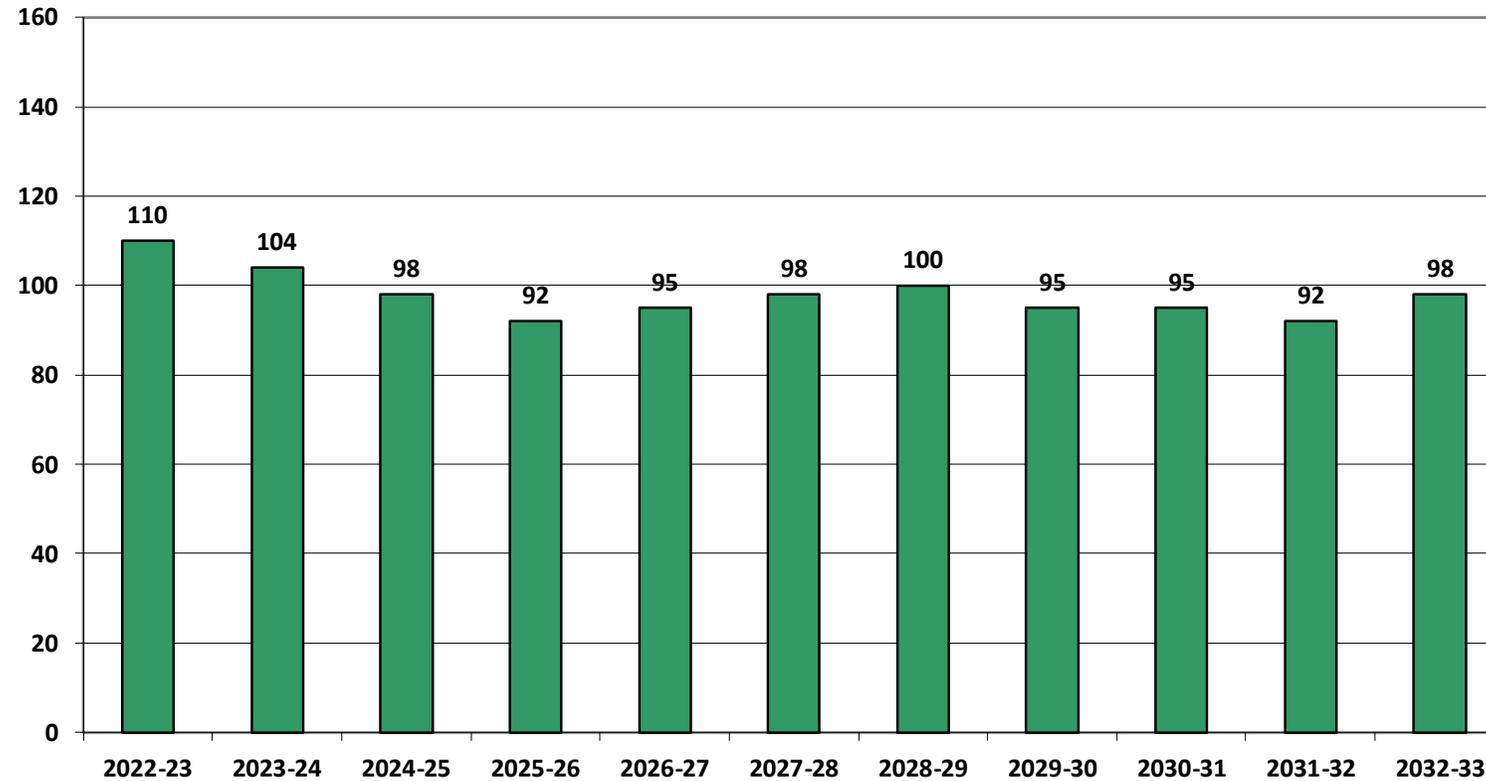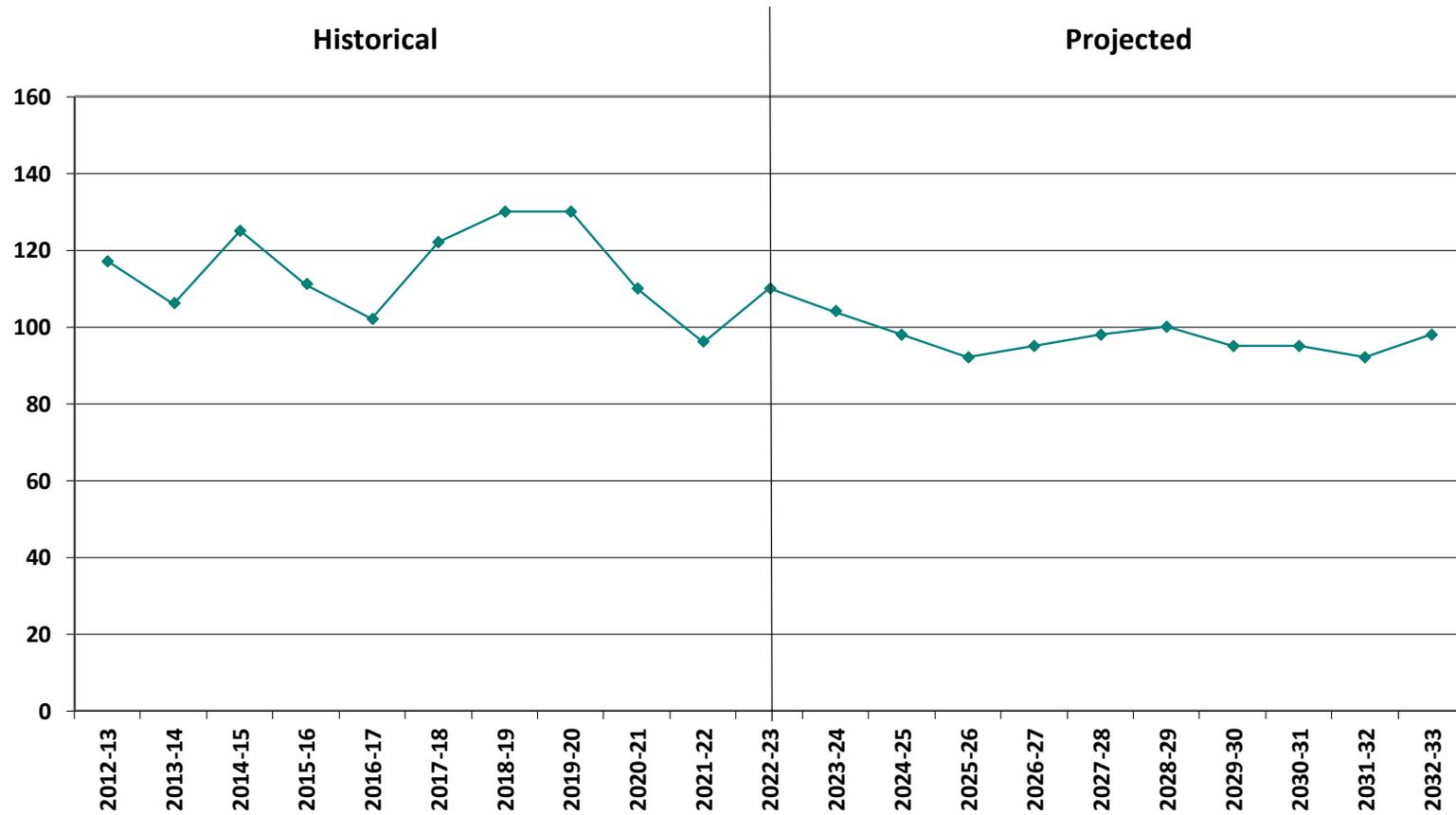
**Mohawk Trail Regional School**
**Shelburne Falls, MA**
**November 7, 2022**
**2022-23 Enrollment Projection Report**

# Enrollment Projections

# 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 this report displaying the past, present, and projected enrollments for the District. These ten-year projections are designed to provide the 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 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.

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. In light of this, NESDEC has added a "Second Semester refresher" enrollment projection at no cost to affiliates. (For more information, please refer to the Reliability and Use of This Document section).

Grades 7-12 enrollment includes all feeder towns to Mohawk Trail RSD.

Over the next three years, Grades 7-12 enrollments are projected to increase by 67 students, as students move up through the grades. Of note, only approximately 65% of the Grade 8 students transition to Grade 9. For example, for School Year 2021-22 there were 57 Grade 8 students; School Year 22-23 there were 39 Grade 9 students.

# Historical Enrollment

**Grades 7-12, School Years 2012-13 to 2022-23**
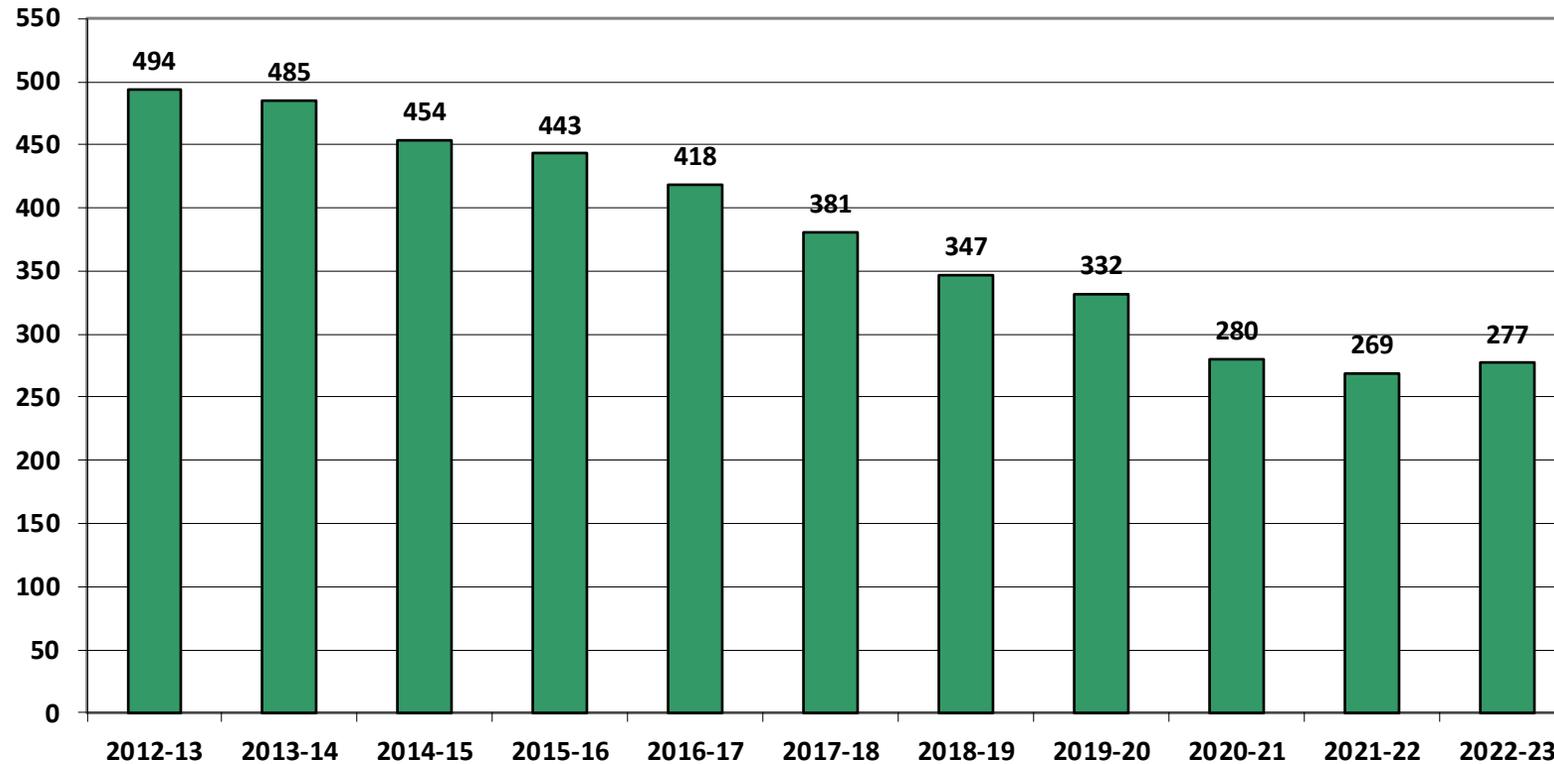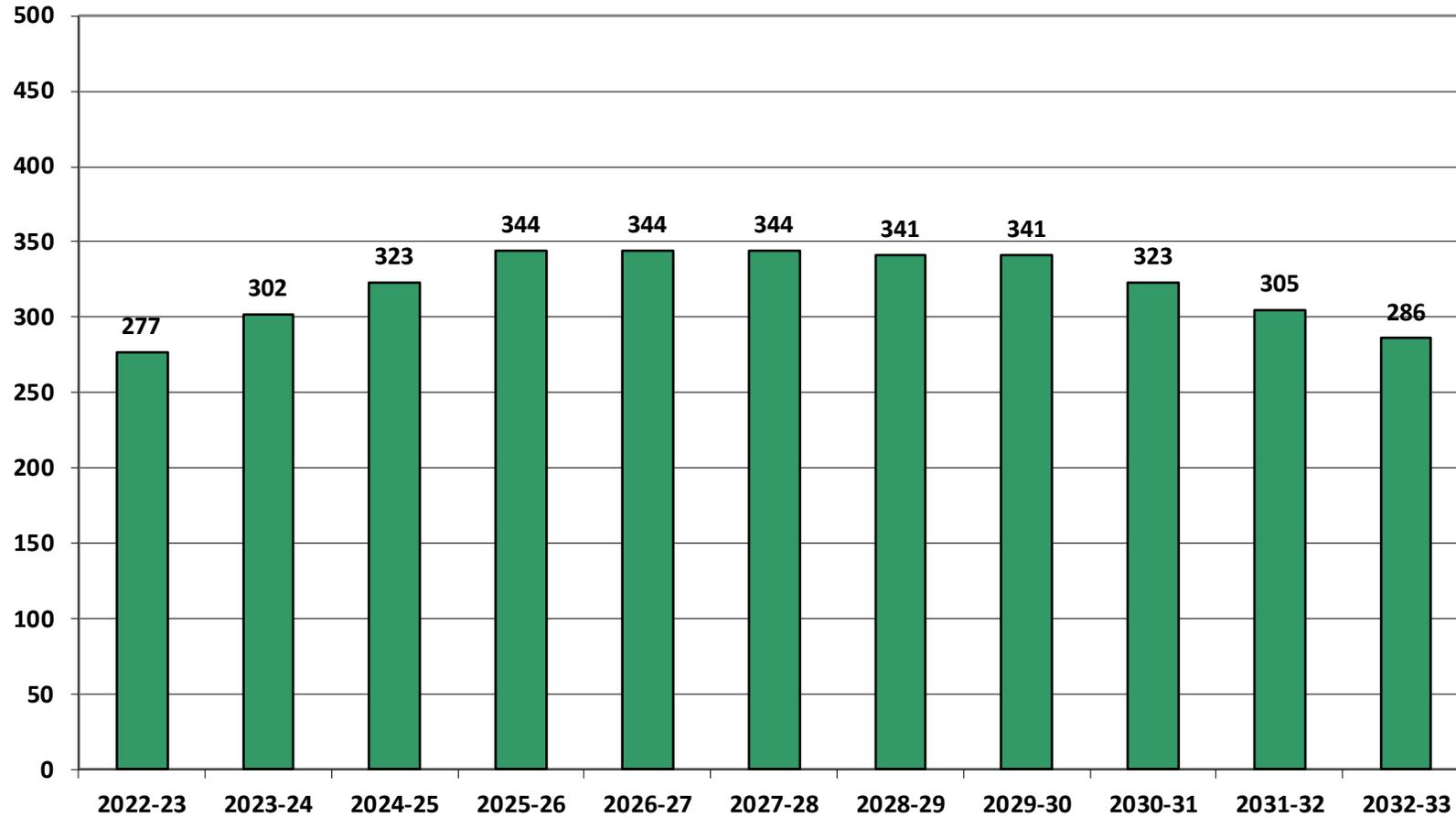
| School Year | Enrollment |
|-------------|-----------|
| 2012-13 | 494 |
| 2013-14 | 485 |
| 2014-15 | 454 |
| 2015-16 | 443 |
| 2016-17 | 418 |
| 2017-18 | 381 |
| 2018-19 | 347 |
| 2019-20 | 332 |
| 2020-21 | 280 |
| 2021-22 | 269 |
| 2022-23 | 277 |

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## Grades 7-12, School Years 2022-23 to 2032-33



| Year | Value |
|------|-------|
| 2022-23 | 277 |
| 2023-24 | 302 |
| 2024-25 | 323 |
| 2025-26 | 344 |
| 2026-27 | 344 |
| 2027-28 | 344 |
| 2028-29 | 341 |
| 2029-30 | 341 |
| 2030-31 | 323 |
| 2031-32 | 305 |
| 2032-33 | 286 |

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Historical & Projected Enrollment

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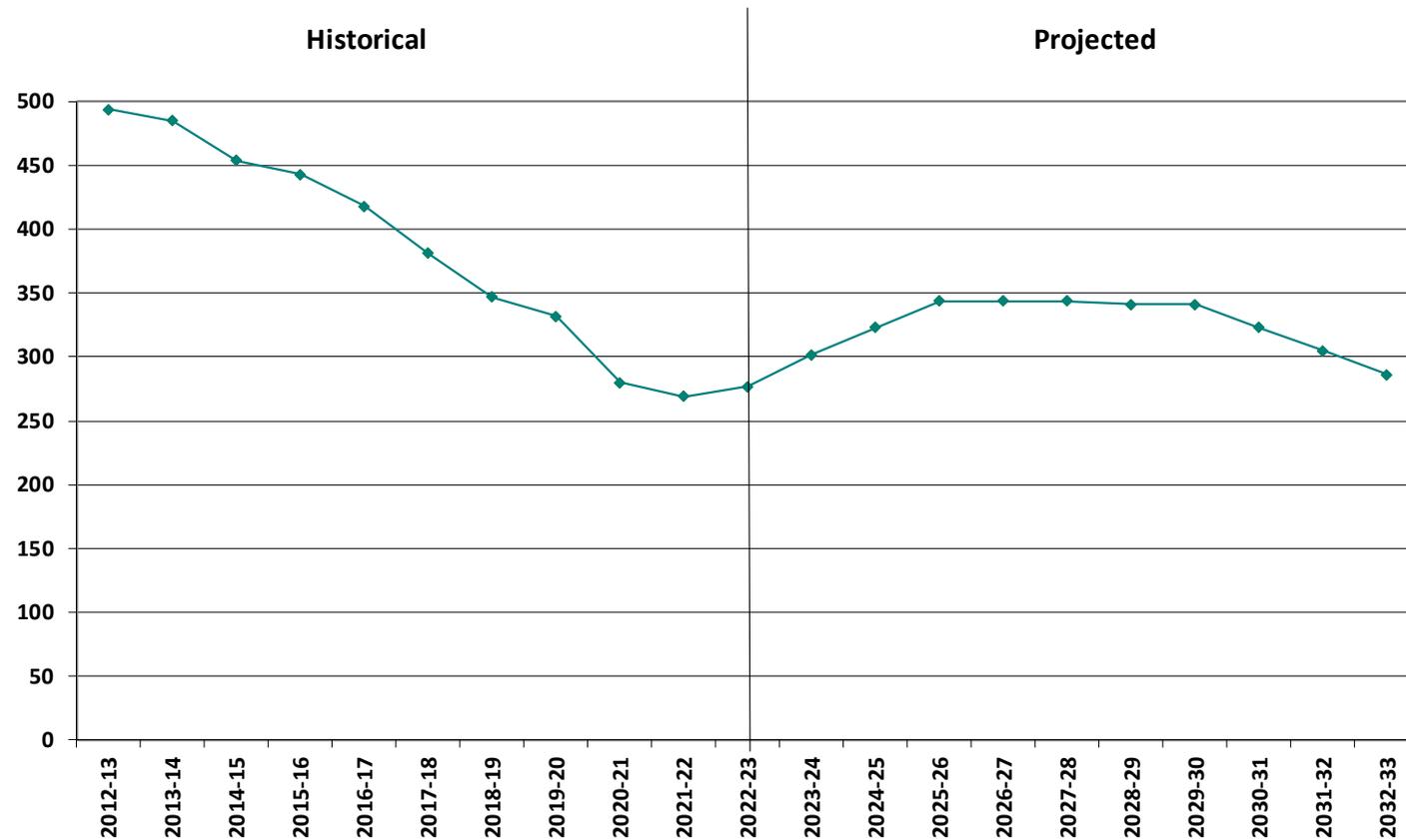
# New England's PK-12 Enrollment Trends

From 2020 to 2030, the US Department of Education anticipates changes in PK-12 enrollment of -2.4% in the South, -6.5% in the West, -3.8% in the Midwest, -6.2% in the Northeast, and a total of -4.3% nationwide.

| State | Fall 2020 PK - 12 | Fall 2030 Projected | PK-12 Decline | % Change 2020-2030 |
|-------|-------------------|---------------------|---------------|--------------------|
| CT | 509,058 | 475,600 | -33,458 | -6.6% |
| ME | 172,455 | 161,800 | -10,655 | -6.2% |
| MA | 921,712 | 879,900 | -41,812 | -4.5% |
| NH | 169,027 | 144,600 | -24,427 | -14.5% |
| RI | 139,184 | 130,200 | -8,984 | -6.5% |
| VT | 82,401 | 74,600 | -7,801 | -9.5% |

**Source:** U.S. Department of Education, National Center for Education Statistics, *Enrollment In Public Schools fall 1990 to fall 2030* , Table 203.20, March 2022.

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 District to District. 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. 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).