

SAU #106 - Timberlane RSD
Plaistow, NH

2022-23 Enrollment Projection Report

Copyright, New England School Development Council, 2022

Table of Contents

Section	Page
Enrollment Summary Spring Update	1
Historical Enrollment Table Spring Update	2
Projected Enrollment Table Spring Update	3
Historical & Projected Enrollment in Grade Combinations	4
October 2022 vs. Spring 2023 Enrollment by Grade	5
Projections October 2022 vs. Spring 2023	6
Reliability and Use of this Document	7

SAU #106, NH Enrollment Summary Spring Update

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. For more information please refer to the 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 data in the Fall of 2023.

©New England School Development Council • 508-481-9444 • www.nesdec.org

Historical Enrollment Spring Update

School District: SAU #106 - Timberlane, NH Spring Update **4/13/2023**

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
2007	245	**2012-13**	96	238	241	252	273	290	312	290	334	334	329	354	332	386	0	3965	4061
2008	200	**2013-14**	117	205	265	241	258	267	294	316	286	329	302	331	354	348	0	3796	3913
2009	183	**2014-15**	99	212	248	264	244	258	262	291	307	283	310	297	334	356	0	3666	3765
2010	191	**2015-16**	100	196	226	258	271	246	261	266	293	311	277	310	304	347	0	3566	3666
2011	169	**2016-17**	112	210	216	229	256	277	244	273	265	293	301	274	301	315	0	3454	3566
2012	185	**2017-18**	137	220	248	220	239	259	286	253	270	266	280	301	274	301	0	3417	3554
2013	201	**2018-19**	132	217	233	250	225	244	255	289	252	268	249	283	296	273	0	3334	3466
2014	221	**2019-20**	123	249	231	227	261	235	251	264	296	252	271	248	276	301	0	3362	3485
2015	214	**2020-21**	92	187	247	215	222	259	224	229	260	285	241	268	255	284	0	3176	3268
2016	223	**2021-22**	101	234	241	244	224	234	263	226	236	254	257	238	262	271	0	3184	3285
2017	223	**Fall 2022**	148	220	267	244	247	234	239	267	227	243	248	254	237	268	0	3195	3343
2023 Spring Update			**153**	**215**	**264**	**243**	**247**	**229**	**239**	**267**	**226**	**239**	**249**	**260**	**237**	**264**	**0**	**3179**	**3332**

*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
2012-13	1702	1606	1896	2564	1270	958	668	2069	1401
2013-14	1647	1530	1846	2461	1225	931	615	1950	1335
2014-15	1587	1488	1779	2369	1143	881	590	1887	1297
2015-16	1558	1458	1724	2328	1131	870	604	1842	1238
2016-17	1544	1432	1705	2263	1075	831	558	1749	1191
2017-18	1609	1472	1725	2261	1075	789	536	1692	1156
2018-19	1556	1424	1713	2233	1064	809	520	1621	1101
2019-20	1577	1454	1718	2266	1063	812	548	1644	1096
2020-21	1446	1354	1583	2128	998	774	545	1593	1048
2021-22	1541	1440	1666	2156	979	716	490	1518	1028
Fall 2022	1599	1451	1718	2188	976	737	470	1477	1007
Spring 2023	**1590**	**1437**	**1704**	**2169**	**971**	**732**	**465**	**1475**	**1010**

Historical Percentage Changes

Year	K-12	Diff.	%
2012-13	3965	0	0.0%
2013-14	3796	-169	-4.3%
2014-15	3666	-130	-3.4%
2015-16	3566	-100	-2.7%
2016-17	3454	-112	-3.1%
2017-18	3417	-37	-1.1%
2018-19	3334	-83	-2.4%
2019-20	3362	28	0.8%
2020-21	3176	-186	-5.5%
2021-22	3184	8	0.3%
Fall 2022	3195	11	0.3%
Change		**-770**	**-19.4%**

©New England School Development Council • 508-481-9444 • www.nesdec.org

Projected Enrollment Spring Update

School District: SAU #106 - Timberlane, NH Spring Update **4/13/2023**

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
2017	223		Spring 2023	153	215	264	243	247	229	239	267	226	239	249	260	237	264	0	3179	3332
2018	258		2023-24	149	265	241	262	249	254	230	239	271	226	231	249	261	245	0	3223	3372
2019	214		2024-25	150	221	296	239	268	257	255	230	241	271	217	231	250	271	0	3247	3397
2020	227		2025-26	151	236	249	294	245	277	258	254	233	242	262	217	231	260	0	3258	3409
2021	238		2026-27	152	247	265	247	301	252	278	257	258	233	234	262	218	238	0	3290	3442
2022	232	(est.)	2027-28	153	240	278	262	253	311	252	278	261	257	224	234	262	225	0	3337	3490
2023	234	(est.)	2028-29	154	241	269	275	269	260	311	252	281	261	246	224	234	271	0	3394	3548
2024	229	(est.)	2029-30	155	238	270	267	282	276	260	311	255	281	252	246	225	241	0	3404	3559
2025	232	(est.)	2030-31	156	239	267	268	273	290	277	259	316	255	272	251	247	232	0	3446	3602
2026	233	(est.)	2031-32	157	242	269	265	274	281	291	276	263	316	247	271	252	255	0	3502	3659
2027	232	(est.)	2032-33	158	240	272	267	271	282	282	290	280	262	305	247	272	261	0	3531	3689

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
Spring 2023	1590	1437	1704	2169	971	732	465	1475	1010
2023-24	1650	1501	1740	2237	966	736	497	1483	986
2024-25	1686	1536	1766	2278	997	742	512	1481	969
2025-26	1710	1559	1813	2288	987	729	475	1445	970
2026-27	1742	1590	1847	2338	1026	748	491	1443	952
2027-28	1749	1596	1874	2392	1048	796	518	1463	945
2028-29	1779	1625	1877	2419	1105	794	542	1517	975
2029-30	1748	1593	1904	2440	1107	847	536	1500	964
2030-31	1770	1614	1873	2444	1107	830	571	1573	1002
2031-32	1779	1622	1898	2477	1146	855	579	1604	1025
2032-33	1772	1614	1904	2446	1114	832	542	1627	1085

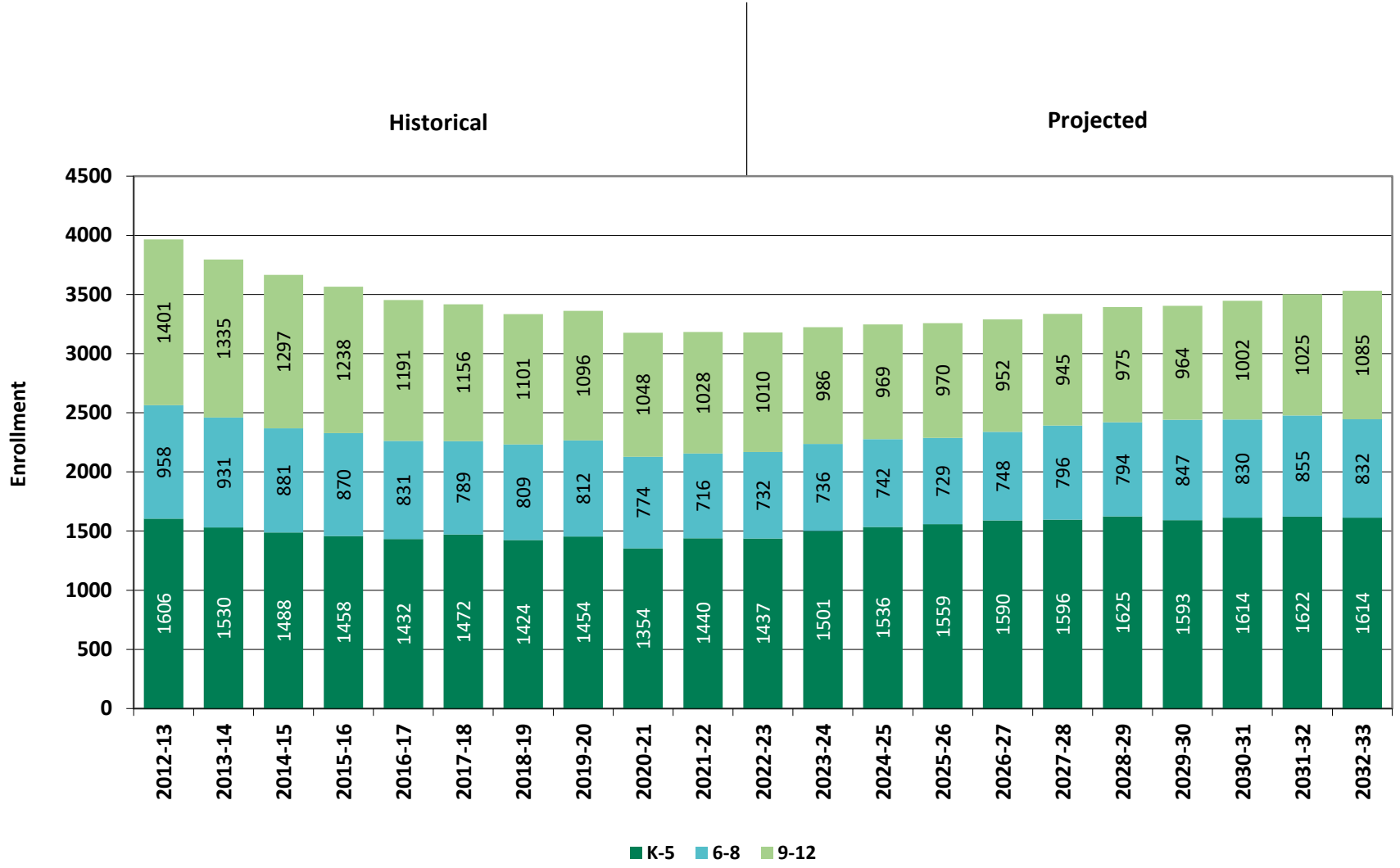
Projected Percentage Changes

Year	K-12	Diff.	%
Spring 2023	3179	0	0.0%
2023-24	3223	44	1.4%
2024-25	3247	24	0.7%
2025-26	3258	11	0.3%
2026-27	3290	32	1.0%
2027-28	3337	47	1.4%
2028-29	3394	57	1.7%
2029-30	3404	10	0.3%
2030-31	3446	42	1.2%
2031-32	3502	56	1.6%
2032-33	3531	29	0.8%
Change		352	11.1%

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

©New England School Development Council • 508-481-9444 • www.nesdec.org

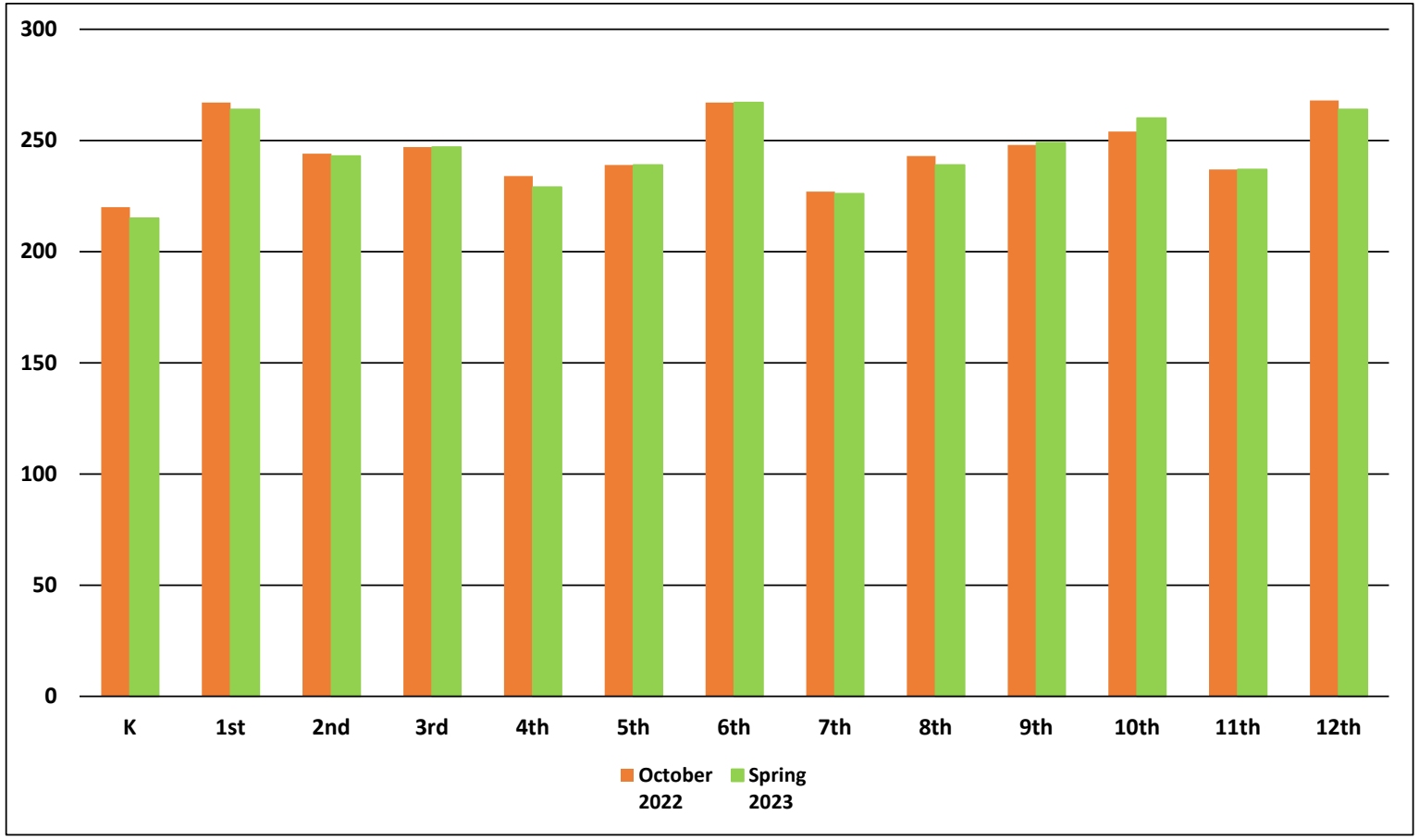
Historical & Projected Enrollments in Grade Combinations



Note: Projections are based on Spring 2023 data.

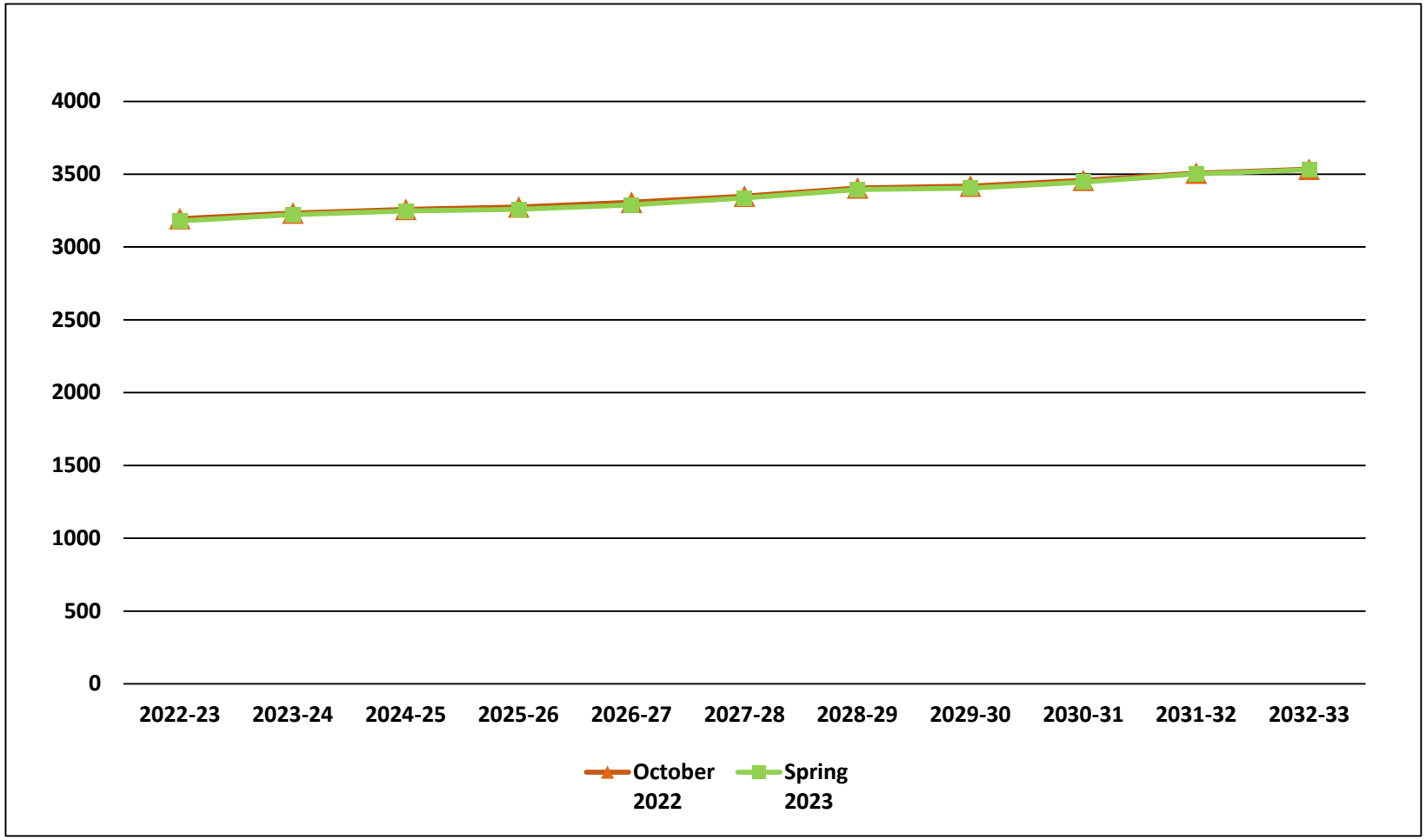
©New England School Development Council • 508-481-9444 • www.nesdec.org

October 2022 vs. Spring 2023 Enrollment by Grade



©New England School Development Council • 508-481-9444 • www.nesdec.org

Projections October 2022 vs. Spring 2023



©New England School Development Council • 508-481-9444 • www.nesdec.org

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).