Danville, NH
Timberlane Regional School District

2022-23 Enrollment Projection Report

Spring Update

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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

Danville, 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.

Historical Enrollment Spring Update

School District: Danville, 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	40	**2012-13**	13	46	54	26	59	54	54	62	79	65	66	67	69	63	0	764	777
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	40	**Fall 2022**	34	41	43	47	52	43	44	60	33	44	40	48	47	37	0	579	613
2023 Spring Update			**31**	**40**	**42**	**46**	**52**	**37**	**43**	**59**	**33**	**44**	**40**	**50**	**46**	**37**	**0**	**569**	**600**

*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	306	293	355	499	260	206	144	409	265
2013-14	301	287	340	481	250	194	141	403	262
2014-15	285	280	337	449	229	169	112	375	263
2015-16	268	253	312	421	196	168	109	366	257
2016-17	282	260	290	401	189	141	111	345	234
2017-18	279	272	320	405	189	133	85	304	219
2018-19	264	239	298	371	168	132	73	275	202
2019-20	284	274	314	417	191	143	103	278	175
2020-21	256	245	290	382	166	137	92	271	179
2021-22	301	281	313	398	175	117	85	264	179
Fall 2022	304	270	330	407	181	137	77	249	172
Spring 2023	**291**	**260**	**319**	**396**	**179**	**136**	**77**	**250**	**173**

Historical Percentage Changes

Year	K-12	Diff.	%
2012-13	764	0	0.0%
2013-14	743	-21	-2.7%
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%
Fall 2022	579	2	0.3%
Change		**-185**	**-24.2%**

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Projected Enrollment Spring Update

School District: Danville, 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	40		Spring 2023	31	40	42	46	52	37	43	59	33	44	40	50	46	37	0	569	600
2018	44		2023-24	34	45	45	44	49	54	35	45	60	32	44	41	50	48	0	592	626
2019	42		2024-25	34	43	50	47	47	51	52	37	45	58	32	45	41	52	0	600	634
2020	35		2025-26	34	36	48	53	50	49	49	54	37	43	57	33	45	43	0	597	631
2021	38		2026-27	34	39	40	50	56	52	47	51	55	36	43	58	33	47	0	607	641
2022	40	(est.)	2027-28	34	41	44	42	53	58	50	49	51	53	36	44	58	34	0	613	647
2023	40	(est.)	2028-29	34	41	46	46	45	55	55	52	49	49	52	37	44	60	0	631	665
2024	39	(est.)	2029-30	34	40	46	48	49	46	52	57	52	47	49	53	37	46	0	622	656
2025	38	(est.)	2030-31	34	39	45	48	51	51	44	54	58	50	47	50	53	38	0	628	662
2026	39	(est.)	2031-32	34	40	44	47	51	53	49	46	55	56	50	48	50	55	0	644	678
2027	39	(est.)	2032-33	34	40	45	46	50	53	51	51	46	53	55	51	48	52	0	641	675

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	291	260	319	396	179	136	77	250	173
2023-24	306	272	317	409	172	137	92	275	183
2024-25	324	290	327	430	192	140	103	273	170
2025-26	319	285	339	419	183	134	80	258	178
2026-27	318	284	335	426	189	142	91	272	181
2027-28	322	288	337	441	203	153	104	276	172
2028-29	322	288	340	438	205	150	98	291	193
2029-30	315	281	338	437	208	156	99	284	185
2030-31	312	278	332	440	206	162	108	296	188
2031-32	318	284	330	441	206	157	111	314	203
2032-33	319	285	336	435	201	150	99	305	206

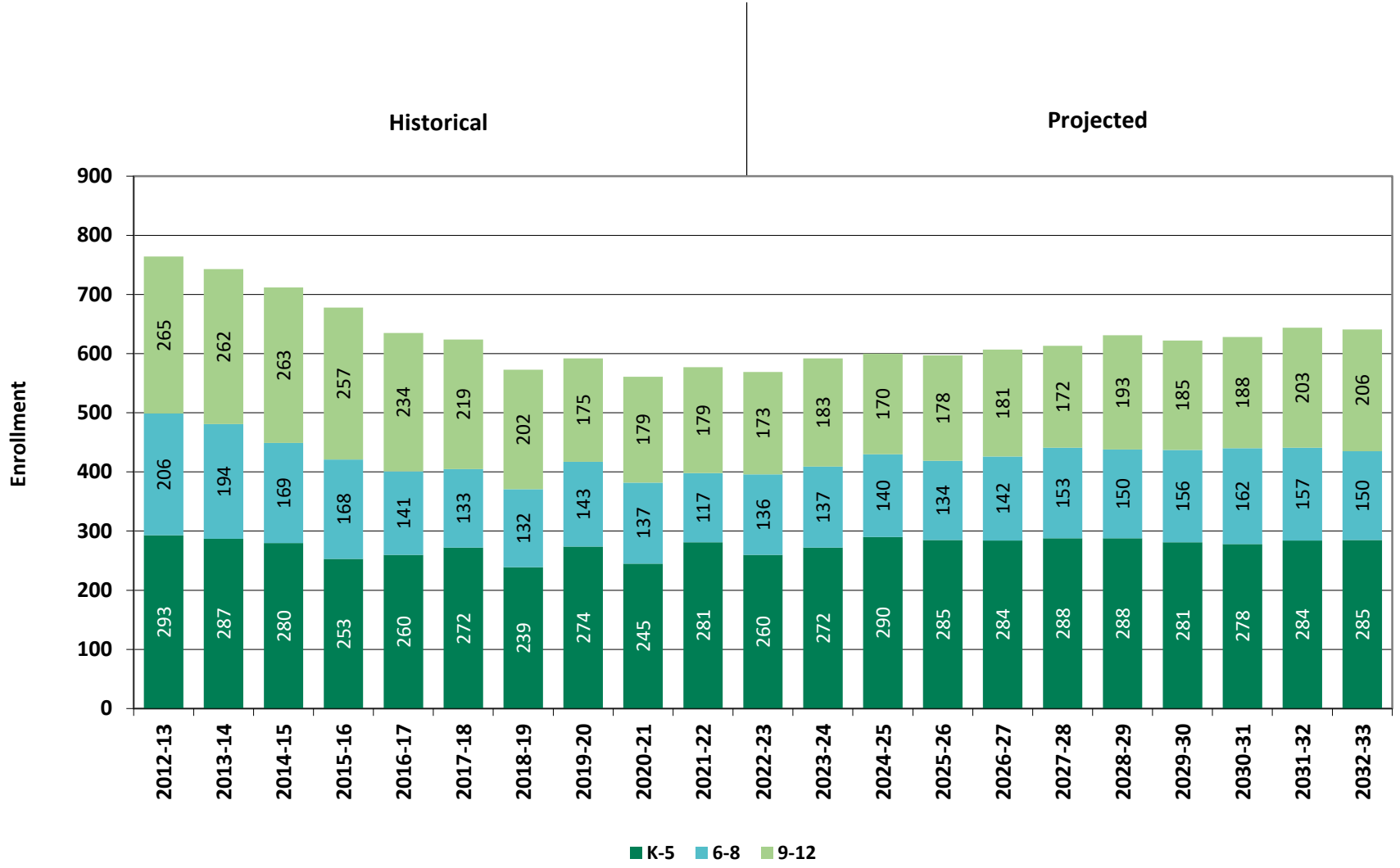
Projected Percentage Changes

Year	K-12	Diff.	%
Spring 2023	569	0	0.0%
2023-24	592	23	4.0%
2024-25	600	8	1.4%
2025-26	597	-3	-0.5%
2026-27	607	10	1.7%
2027-28	613	6	1.0%
2028-29	631	18	2.9%
2029-30	622	-9	-1.4%
2030-31	628	6	1.0%
2031-32	644	16	2.5%
2032-33	641	-3	-0.5%
Change		72	12.7%

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

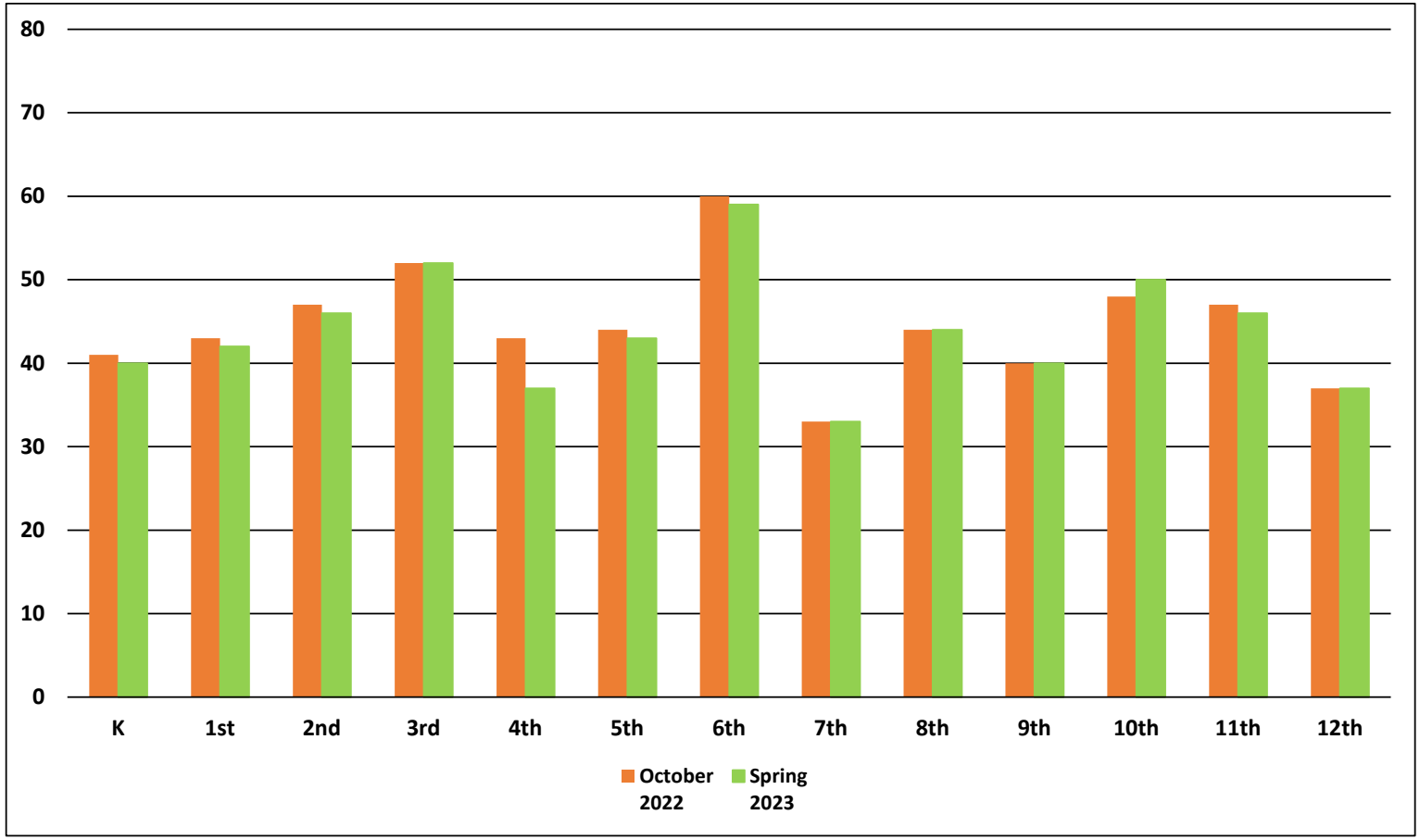
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Historical & Projected Enrollments in Grade Combinations



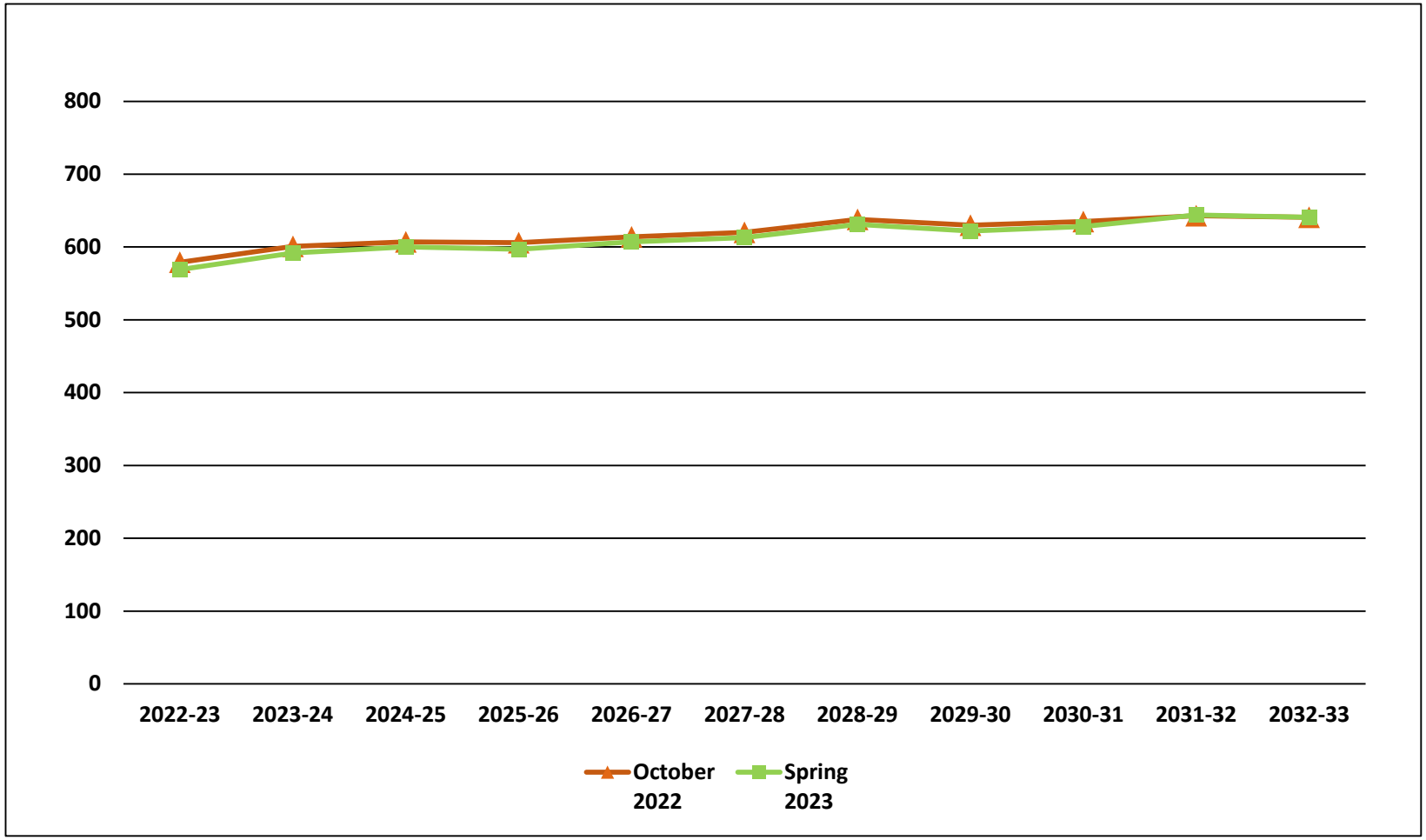
Note: Projections are based on Spring 2023 data.

October 2022 vs. Spring 2023 Enrollment by Grade



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Projections October 2022 vs. Spring 2023



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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).