



Plaistow, NH

SAU #106

Timberlane Regional School District

School Year 2023-24 Enrollment Projection Report

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Plaistow, NH Enrollment Summary

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. In light of this, NESDEC has added a “Spring Update Refresher” enrollment projection at no cost to affiliates. For more information, please refer to the Methodology, Reliability and Use of this Document section.

The NESDEC enrollment projection fell within 32 students of the K-12 total, 998 students projected vs. 966 enrolled.

Births increased by 5 from a previous ten-year average of 67 to a projected average of 72.

Over the next three years, Grades K-5 enrollments are projected to increase by 10 students, Grades 6-8 enrollments are projected to decrease by 13 students, and Grades 9-12 enrollments are projected to decrease by 5 students, as students move through the grades.

Historical Enrollment

School District: Plaistow, NH - SAU #106 Timberlane

12/6/2023

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	64	2013-14	69	70	82	74	78	86	90	87	72	94	90	114	122	101	0	1160	1229
2009	71	2014-15	65	78	81	79	69	75	85	92	82	72	90	89	109	120	0	1121	1186
2010	66	2015-16	16	62	79	87	78	77	75	96	97	90	75	91	91	113	0	1111	1127
2011	63	2016-17	28	74	62	80	88	73	73	81	88	93	90	74	88	97	0	1061	1089
2012	67	2017-18	17	67	80	58	85	86	74	79	76	87	88	89	73	87	0	1029	1046
2013	72	2018-19	37	64	70	79	60	79	81	75	78	80	83	90	84	77	0	1000	1037
2014	65	2019-20	13	66	74	75	86	71	86	84	77	73	77	85	88	80	0	1022	1035
2015	72	2020-21	26	47	68	67	71	79	69	71	75	79	72	74	87	87	0	946	972
2016	73	2021-22	24	80	66	68	66	74	78	71	73	76	80	75	74	94	0	975	999
2017	66	2022-23	33	69	89	65	70	72	76	80	73	75	78	78	76	79	0	980	1013
2018	89	2023-24	32	74	76	83	65	72	71	78	81	68	66	77	81	74	0	966	998

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

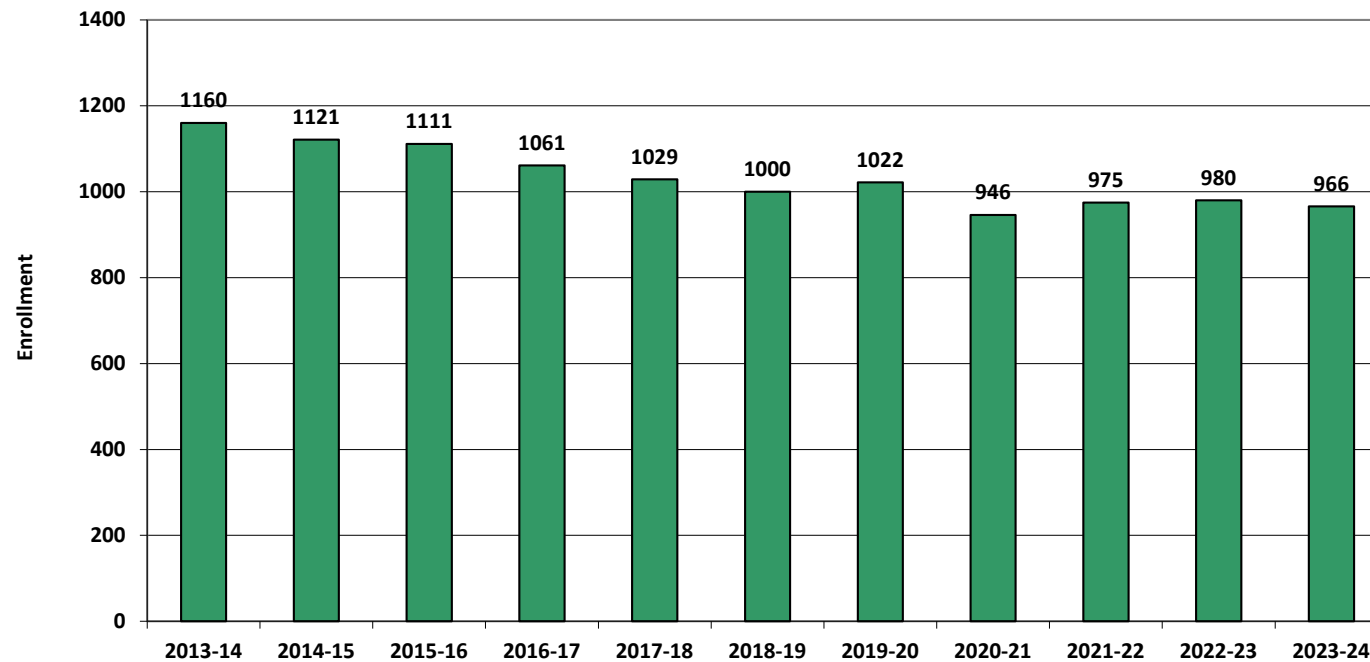
** < 10 Not reported, to protect subgroups with fewer than 10 students.

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	549	480	802	733	343	253	166	680	427
2014-15	532	467	778	713	331	246	154	654	408
2015-16	474	458	757	741	358	283	187	653	370
2016-17	478	450	740	712	335	262	181	611	349
2017-18	467	450	709	692	316	242	163	579	337
2018-19	470	433	703	666	314	233	158	567	334
2019-20	471	458	705	692	320	234	150	564	330
2020-21	427	401	652	626	294	225	154	545	320
2021-22	456	432	676	652	298	220	149	543	323
2022-23	474	441	702	669	304	228	148	539	311
2023-24	473	441	700	668	298	227	149	525	298

Historical Percentage Changes			
School Year	K-12	Diff.	%
2013-14	1160		
2014-15	1121	-39	-3.4%
2015-16	1111	-10	-0.9%
2016-17	1061	-50	-4.5%
2017-18	1029	-32	-3.0%
2018-19	1000	-29	-2.8%
2019-20	1022	22	2.2%
2020-21	946	-76	-7.4%
2021-22	975	29	3.1%
2022-23	980	5	0.5%
2023-24	966	-14	-1.4%
Change		-194	-16.7%

Historical Enrollment

Grades K-12, School Years 2013-14 to 2023-24



Projected Enrollment

School District: Plaistow, NH - SAU #106 Timberlane

12/6/2023

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	89		2023-24	32	74	76	83	65	72	71	78	81	68	66	77	81	74	0	966	998
2019	72		2024-25	32	70	81	74	83	66	72	72	79	81	67	66	78	83	0	972	1004
2020	63		2025-26	32	61	77	79	74	85	66	73	73	79	79	67	67	80	0	960	992
2021	72		2026-27	32	70	67	75	79	75	85	67	74	73	77	79	68	69	0	958	990
2022	72	0	2027-28	33	70	77	66	75	81	75	87	68	74	72	77	80	70	0	972	1005
2023	74	(est.)	2028-29	33	71	77	75	66	77	81	77	88	68	73	72	78	82	0	985	1018
2024	71	(est.)	2029-30	33	68	78	75	75	67	77	83	78	88	67	73	73	80	0	982	1015
2025	70	(est.)	2030-31	33	68	75	76	75	77	67	79	84	78	86	67	74	75	0	981	1014
2026	72	(est.)	2031-32	34	70	75	73	76	77	77	68	80	84	76	86	68	76	0	986	1020
2027	72	(est.)	2032-33	34	69	77	73	73	78	77	79	69	80	82	76	87	70	0	990	1024
2028	72	(est.)	2033-34	34	69	76	75	73	74	78	79	80	69	78	82	77	90	0	1000	1034

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.

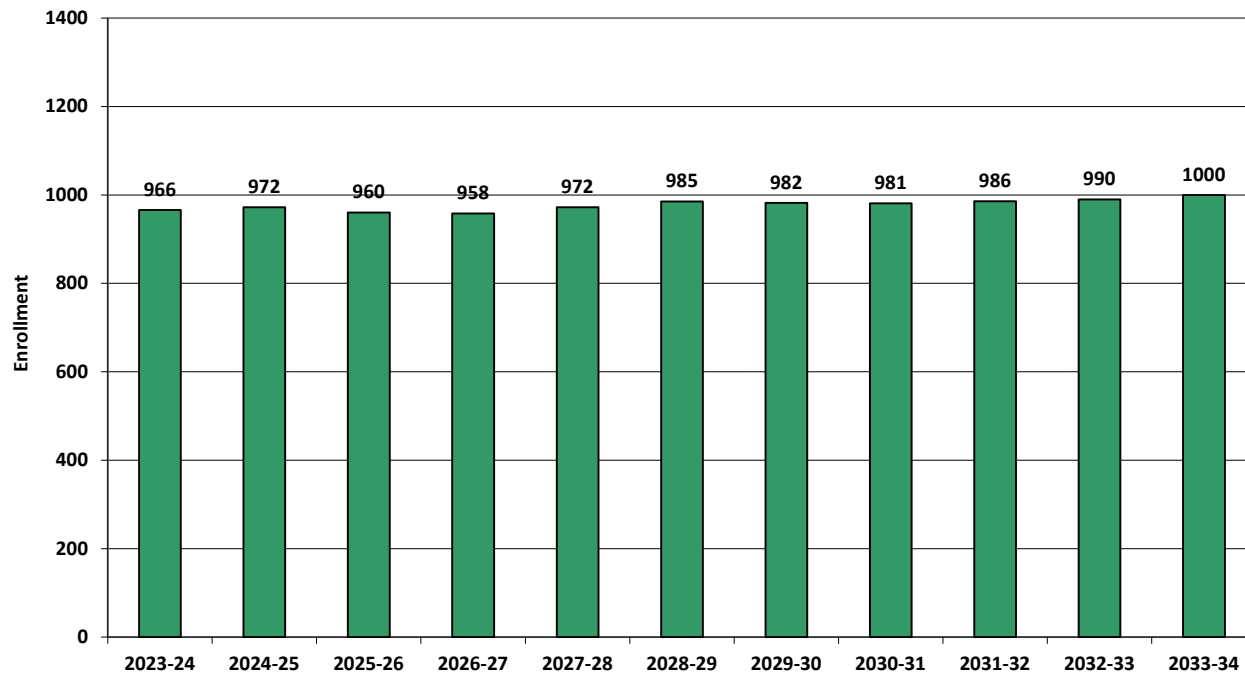
Projected Enrollment in Grade Combinations*									
School Year	PK-5	K-5	PK-8	K-8	5-8	6-8	7-8	6-12	9-12
2023-24	473	441	700	668	298	227	149	525	298
2024-25	478	446	710	678	304	232	160	526	294
2025-26	474	442	699	667	291	225	152	518	293
2026-27	483	451	697	665	299	214	147	507	293
2027-28	477	444	706	673	304	229	142	528	299
2028-29	480	447	713	680	314	233	156	538	305
2029-30	473	440	722	689	326	249	166	542	293
2030-31	471	438	712	679	308	241	162	543	302
2031-32	482	448	714	680	309	232	164	538	306
2032-33	481	447	709	675	305	228	149	543	315
2033-34	479	445	707	673	306	228	149	555	327

Projected Percentage Changes			
School Year	K-12	Diff.	%
2023-24	966		
2024-25	972	6	0.6%
2025-26	960	-12	-1.2%
2026-27	958	-2	-0.2%
2027-28	972	14	1.5%
2028-29	985	13	1.3%
2029-30	982	-3	-0.3%
2030-31	981	-1	-0.1%
2031-32	986	5	0.5%
2032-33	990	4	0.4%
2033-34	1000	10	1.0%
Change	34		3.5%

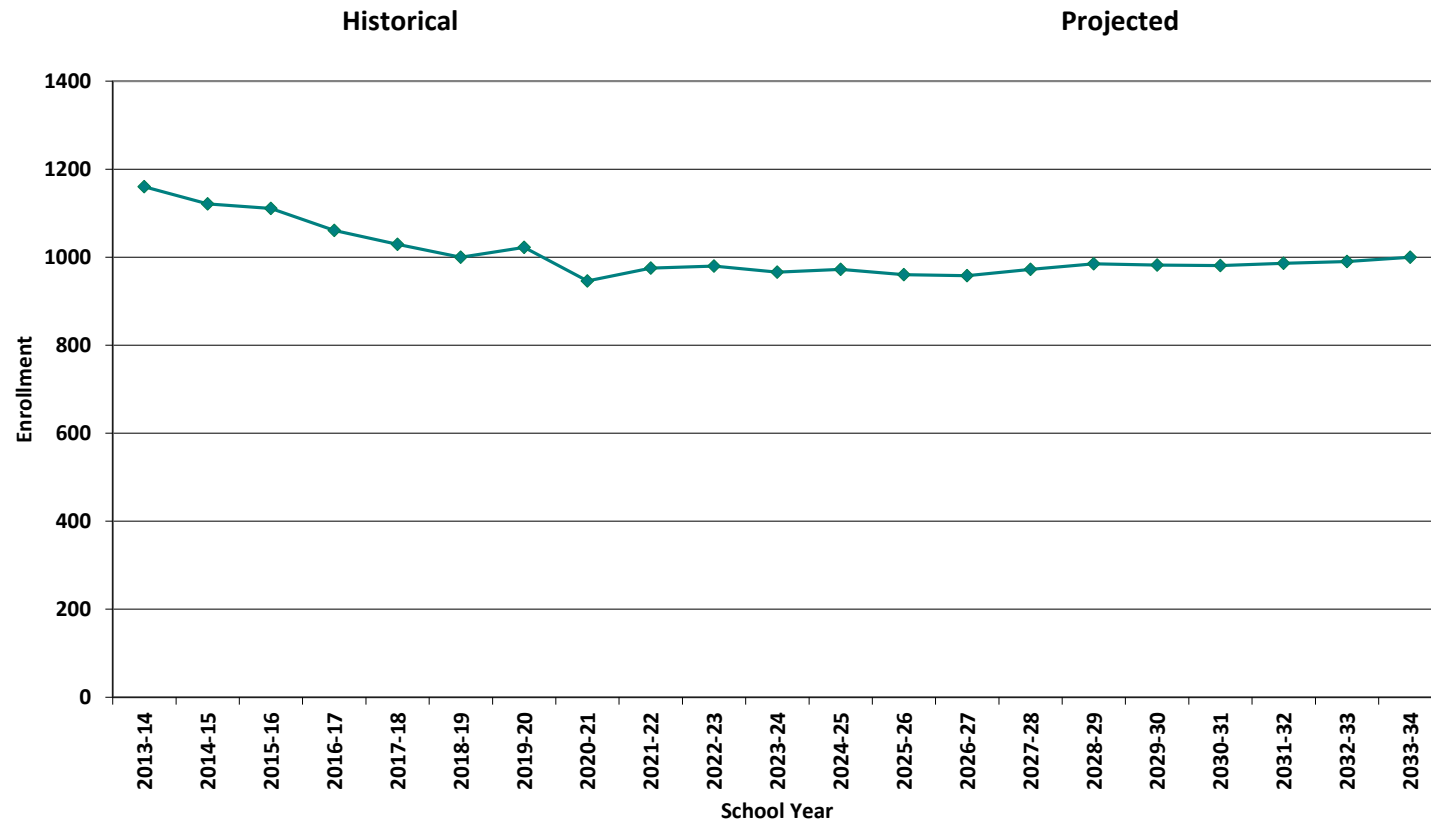
*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

Projected Enrollment

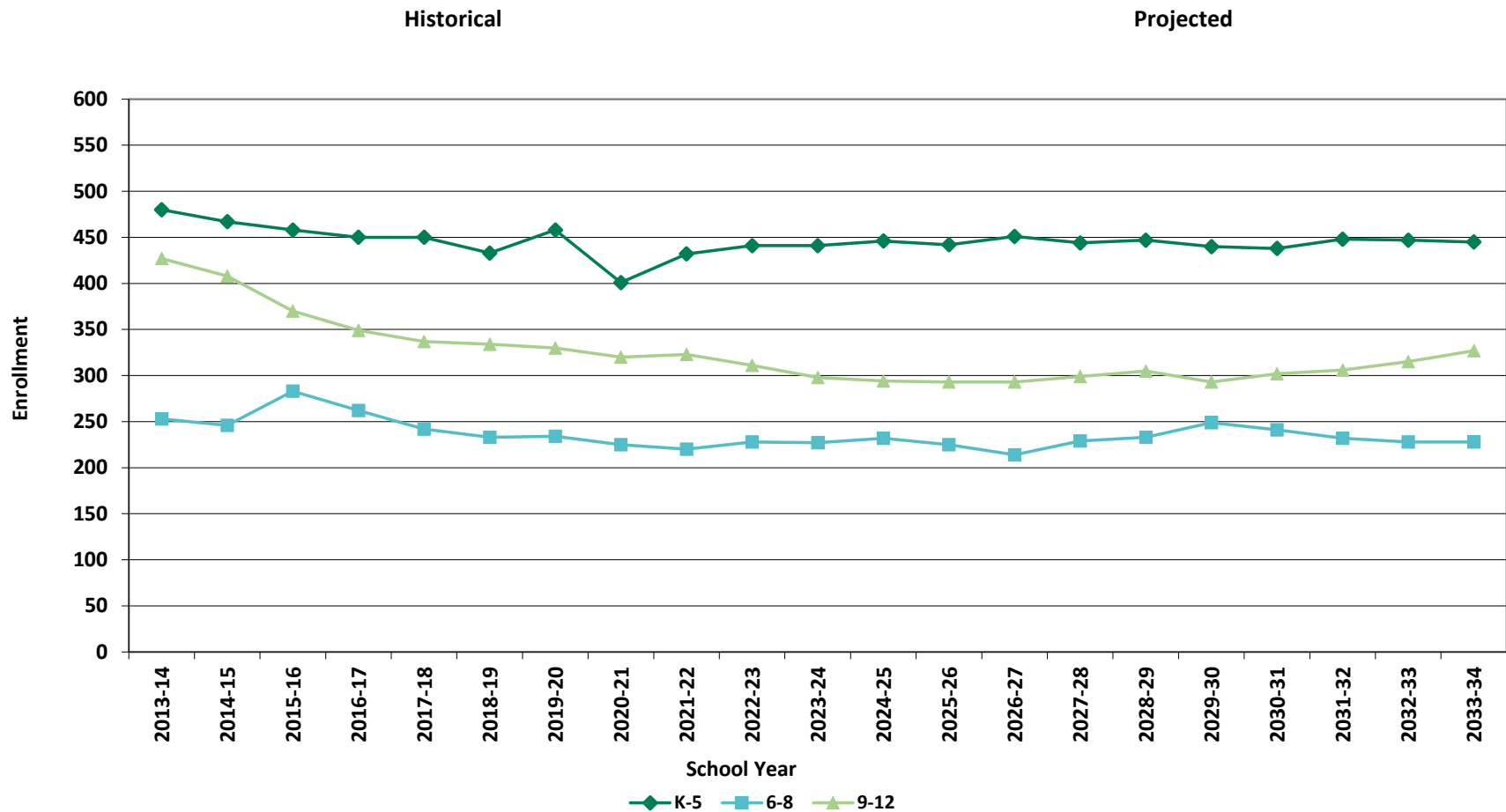
Grades K-12, School Years 2023-24 to 2033-34



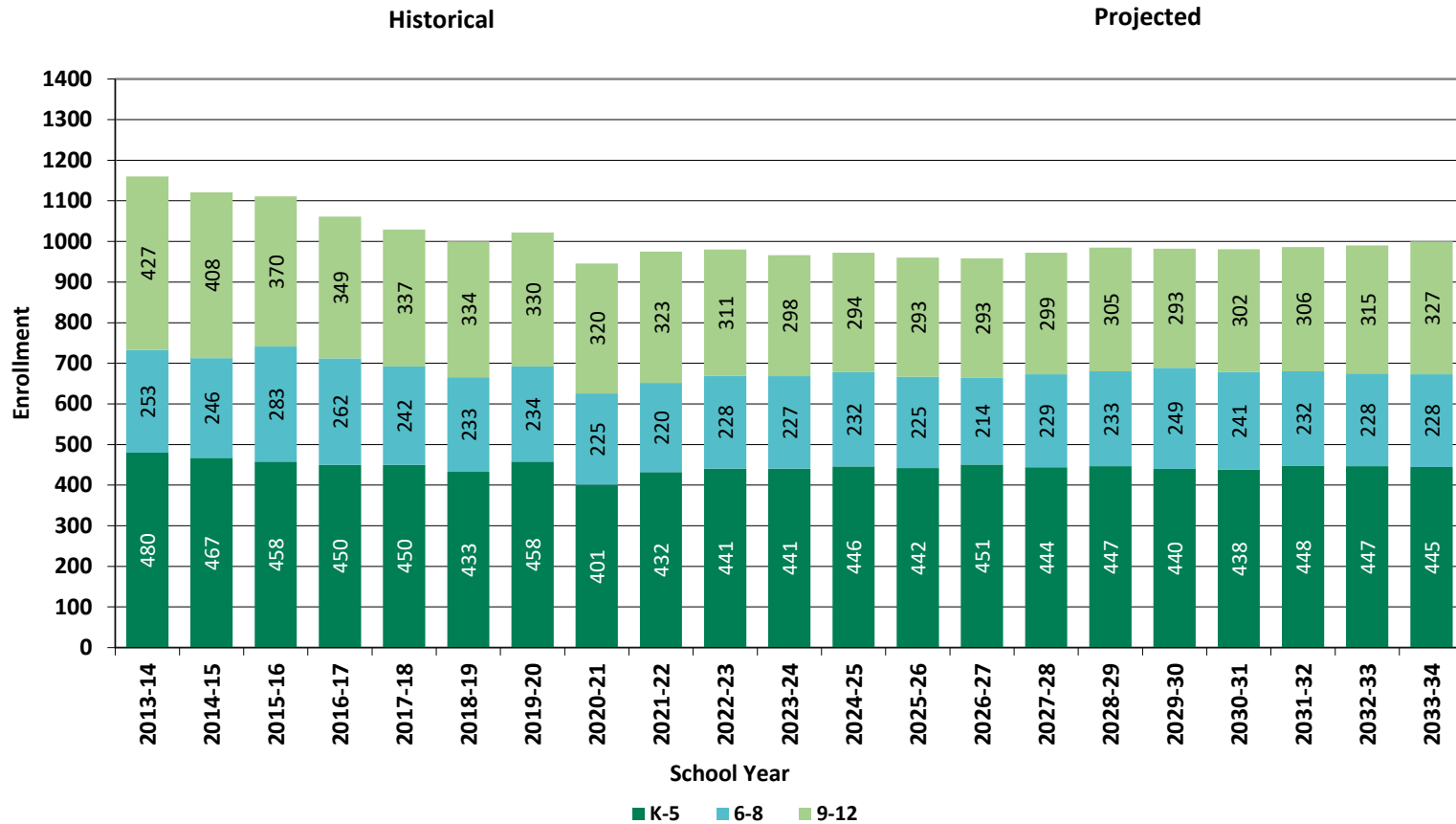
Historical & Projected Enrollment



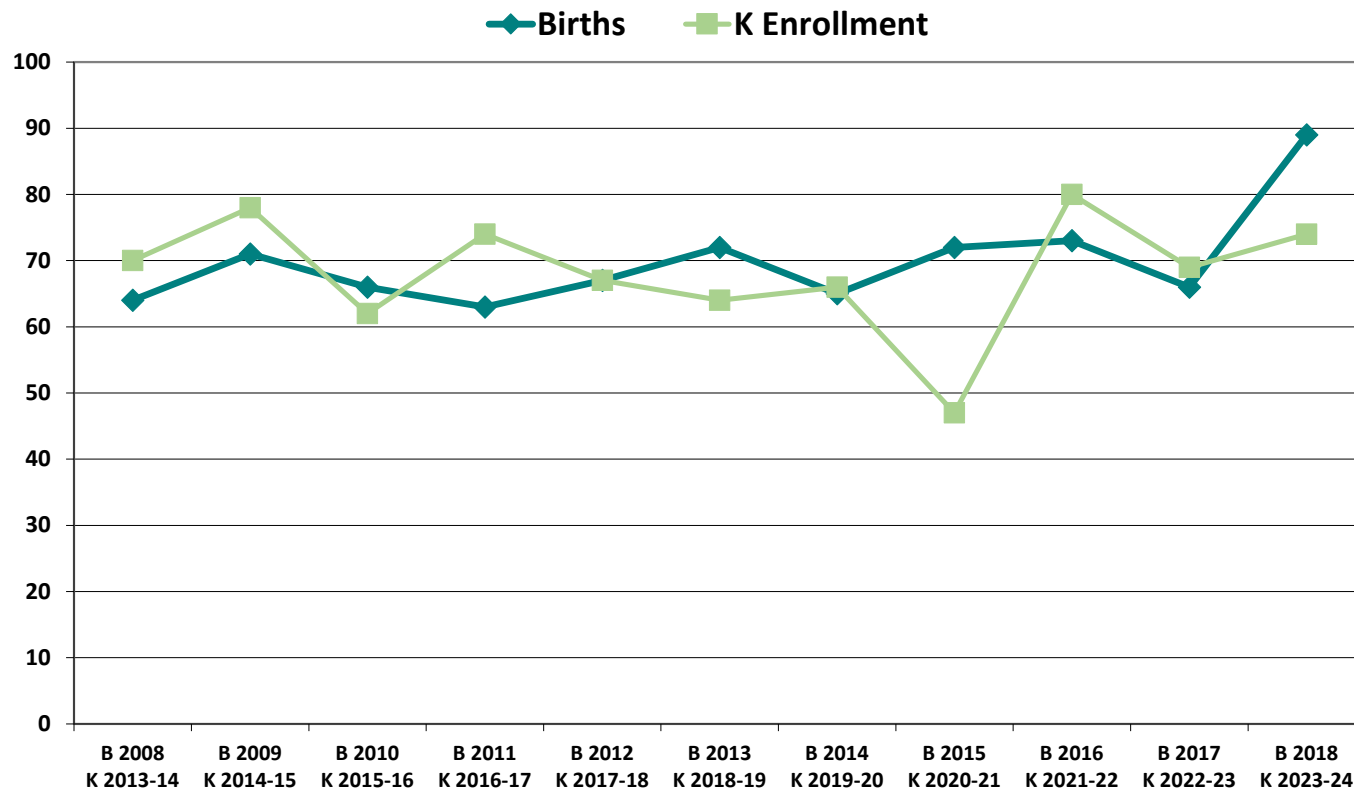
Historical & Projected Enrollments in Grade Combinations



Historical & Projected Enrollments in Grade Combinations



Birth-to-Kindergarten Relationship



Additional Information

Building Permits Issued (Source: HUD)		
Year	Single-Family	Multi-Units
2019	8	14
2020	10	2
2021	7	0
2022	6	0
2023	16 to date	0 to date

School Year	9 - 12 CTE	K - 12 Non-Public	K - 12 Choice-In	K - 12 Choice-Out	K - 12 Out-of-District SPED	K - 12 Homeschool
2019-20	n/a	n/a	0	0	20	31
2020-21	n/a	n/a	< 10 **	0	20	61
2021-22	21	n/a	< 10 **	0	19	19
2022-23	22	n/a	< 10 **	0	14	< 10 **
2023-24	29	n/a	< 10 **	0	13	< 10 **

*The above data was provided by the District, with the exception of building permit data (provided by HUD).

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

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

New England's PK-12 Enrollments Trends

From 2021 to 2030, the US Department of Education anticipates changes in PK-12 enrollment of -3.2% in the South, -6.0% in the West, -3.9% in the Midwest, -6.0% in the Northeast, and a total of -4.4% nationwide.

State	Fall 2021 PK - 12	Fall 2030 Projected	PK-12 Decline	% Change 2021-2030
USA	49,452,864	47,252,500	-2,200,364	-4.4%
CT	508,686	475,600	-33,086	-6.5%
ME	173,215	161,800	-11,415	-6.6%
MA	921,180	879,900	-41,280	-4.5%
NH	170,005	144,600	-25,405	-14.9%
RI	138,566	130,200	-8,366	-6.0%
VT	83,975	74,600	-9,375	-11.2%

Source: U.S. Department of Education, National Center for Education Statistics, Enrollment in public elementary and secondary schools, by region, state, and jurisdiction: Selected years, fall 1990 through fall 2030, Table 203.20, March 2023.

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.

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).