



New England School Development Council

Auburn Public Schools

Auburn, MA

School Year 2023-24 Enrollment Projection Report

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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 36 students of the K-12 total, 2,436 students projected vs. 2,400 enrolled. One variance of 33 students occurred at Kindergarten, 179 projected vs. 146 enrolled.

Births increased by 4 from a previous ten-year average of 151 to a projected average of 155. In most districts, Grades 1-8 are very stable in enrollments. However, there have been increases in 7 of the 8 most recent years, leading to a net increase averaging 35 students per year.

Over the next three years, Grades K-2 enrollments are projected to increase by 17 students, Grades 3-5 enrollments are projected to decrease by 31 students, Grades 6-8 enrollments are expected to decrease by 12 students, and Grades 9-12 enrollments are projected to increase by 10 students, as students move through the grades.

Historical Enrollment

School District: Auburn, MA

12/8/2023

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	147	2013-14	41	168	172	176	188	185	177	193	194	206	154	159	166	165	<10 **	2307	2348
2009	150	2014-15	50	160	172	177	176	193	191	191	196	205	171	157	162	162	<10 **	2319	2369
2010	160	2015-16	68	175	170	180	173	175	198	202	206	205	200	176	157	165	<10 **	2386	2454
2011	157	2016-17	88	195	191	181	188	172	177	205	210	208	174	197	175	157	<10 **	2435	2523
2012	158	2017-18	109	167	206	206	200	197	180	198	218	216	181	184	191	174	<10 **	2501	2510
2013	144	2018-19	104	187	171	207	199	204	205	195	206	221	173	184	180	189	<10 **	2524	2528
2014	161	2019-20	107	184	195	171	210	203	208	215	202	209	195	179	175	183	<10 **	2529	2636
2015	135	2020-21	66	171	182	187	167	206	195	214	218	202	168	201	176	171	0	2458	2524
2016	148	2021-22	109	154	177	186	191	153	217	201	220	228	163	179	200	180	<10 **	2468	2572
2017	150	2022-23	111	174	160	178	190	195	171	229	211	213	185	174	175	193	13	2461	2572
2018	153	2023-24	95	146	181	174	179	192	193	180	233	211	180	188	172	171	13	2413	2509

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

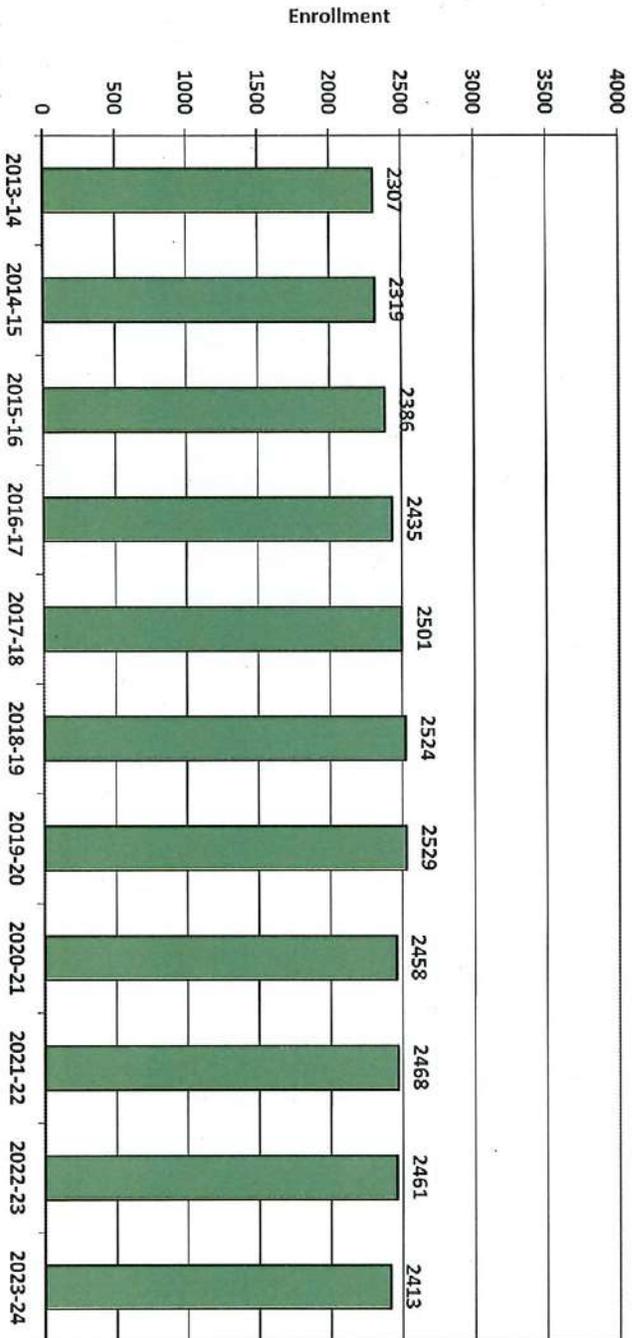
** < 10 NGR reported, to protect subgroups with fewer than 10 students.

Historical Enrollment in Grade Combinations									
School Year	PK-5	K-5	PK-2	K-2	3-5	6-8	K-8	6-12	9-12
2013-14	1107	1066	557	516	550	593	1659	1237	644
2014-15	1119	1069	559	509	560	592	1661	1244	652
2015-16	1140	1072	593	525	547	613	1685	1311	698
2016-17	1192	1104	655	567	537	624	1728	1327	703
2017-18	1245	1136	668	559	577	632	1768	1362	730
2018-19	1277	1173	669	565	608	623	1796	1349	726
2019-20	1274	1167	653	546	621	627	1794	1350	733
2020-21	1174	1108	605	540	568	634	1742	1350	716
2021-22	1197	1088	625	517	571	649	1737	1371	722
2022-23	1179	1068	623	512	556	653	1721	1390	727
2023-24	1161	1065	597	501	564	624	1689	1395	711

Historical Percentage Changes		
School Year	K-12	Diff. %
2013-14	2307	12
2014-15	2319	0.5%
2015-16	2386	67
2016-17	2435	49
2017-18	2501	66
2018-19	2524	23
2019-20	2529	5
2020-21	2458	-71
2021-22	2468	10
2022-23	2461	-7
2023-24	2413	-48
Change	106	4.6%

Historical Enrollment

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





Projected Enrollment

School District: Auburn, MA

12/8/2023

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	153	2023-24	96	146	181	174	179	192	193	180	233	211	180	188	172	171	13	2413	2509
2019	155	2024-25	96	166	152	188	177	179	195	202	186	234	173	189	186	170	13	2411	2507
2020	146	2025-26	97	156	172	158	191	177	183	205	208	187	192	182	187	184	13	2395	2492
2021	165	2026-27	97	177	162	179	161	191	181	191	212	209	154	202	180	185	13	2397	2494
2022	153	2027-28	98	164	184	168	182	182	195	189	197	213	172	162	199	178	13	2377	2475
2023	154	2028-29	98	165	170	191	171	182	164	204	195	198	175	181	160	197	13	2366	2464
2024	155	2029-30	99	166	171	177	194	171	186	172	210	196	163	184	179	158	13	2340	2439
2025	155	2030-31	99	165	172	178	180	194	174	195	177	211	161	171	182	177	13	2350	2449
2026	156	2031-32	100	167	171	179	181	180	198	182	201	178	173	169	159	180	13	2341	2441
2027	155	2032-33	100	165	173	178	182	181	184	207	188	202	146	182	167	167	13	2335	2435
2028	155	2033-34	100	166	171	180	181	182	185	193	214	189	166	153	180	165	13	2338	2438

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.

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

Based on an estimate of births

Based on children already born

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

Based on students already enrolled

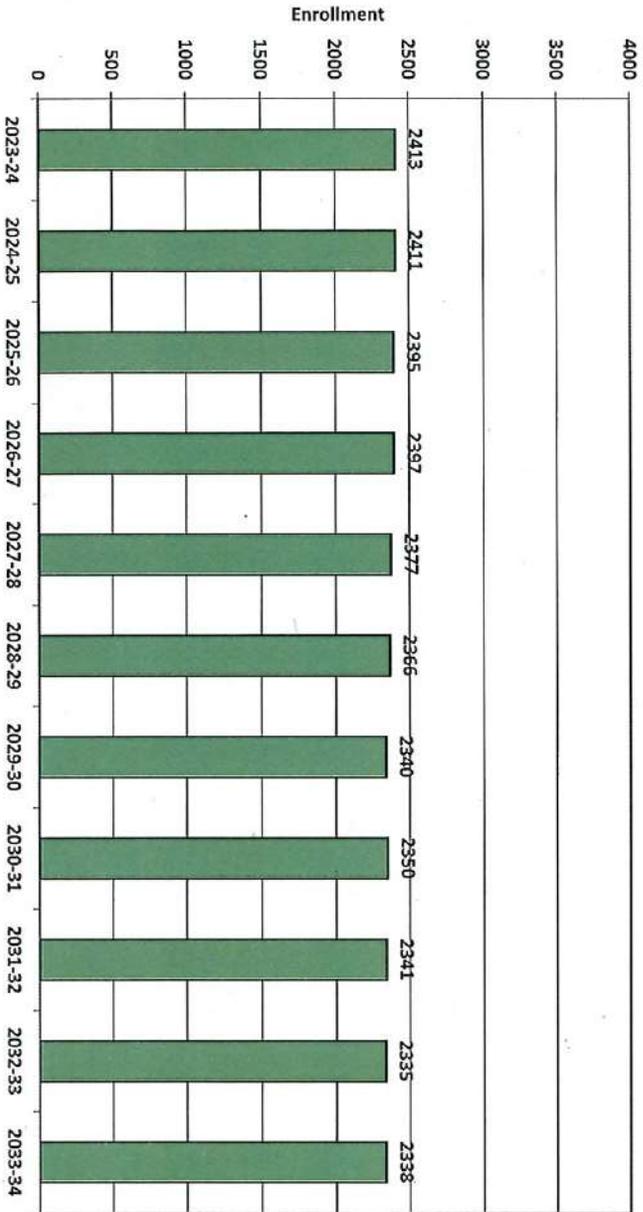
Projected Enrollment in Grade Combinations*									
School Year	PK-5	K-5	PK-2	K-2	3-5	6-8	K-8	6-12	9-12
2023-24	1161	1065	597	501	564	624	1689	1335	711
2024-25	1154	1058	602	506	552	622	1680	1340	718
2025-26	1134	1037	583	486	551	600	1637	1345	745
2026-27	1148	1051	615	518	533	612	1663	1333	721
2027-28	1152	1054	614	516	538	599	1653	1310	711
2028-29	1141	1043	624	526	517	597	1640	1310	713
2029-30	1164	1065	613	514	551	578	1643	1262	694
2030-31	1162	1063	614	515	548	583	1646	1274	691
2031-32	1176	1076	617	517	559	561	1637	1252	691
2032-33	1163	1063	616	516	547	597	1660	1239	662
2033-34	1165	1065	617	517	548	596	1661	1260	664

Projected Percentage Changes			
School Year	K-12	Diff.	%
2023-24	2413	-	-
2024-25	2411	-2	-0.1%
2025-26	2395	-16	-0.7%
2026-27	2397	2	0.1%
2027-28	2377	-20	-0.8%
2028-29	2366	-11	-0.5%
2029-30	2340	-26	-1.1%
2030-31	2350	10	0.4%
2031-32	2341	-9	-0.4%
2032-33	2335	-6	-0.3%
2033-34	2338	3	0.1%
Change	-75	-3.1%	

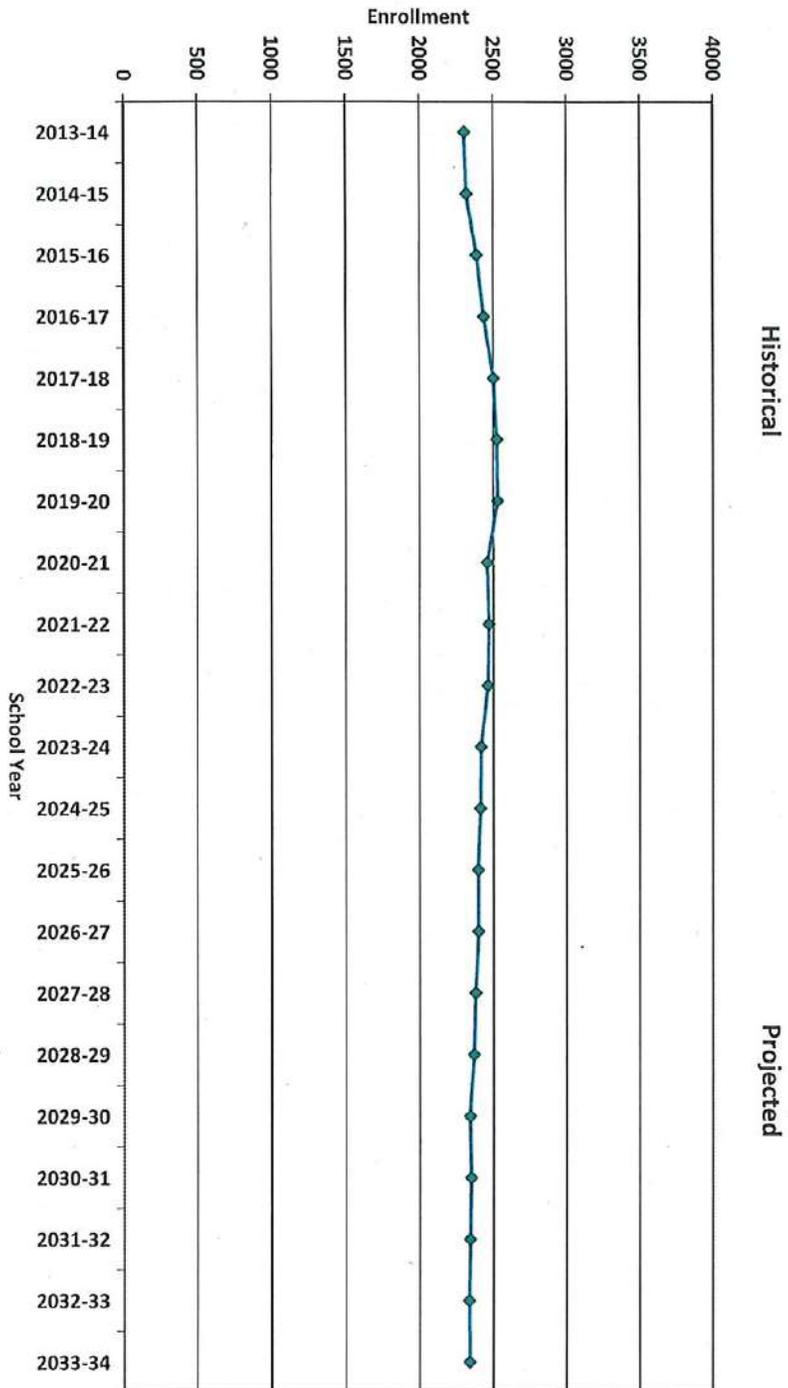
*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

Projected Enrollment

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



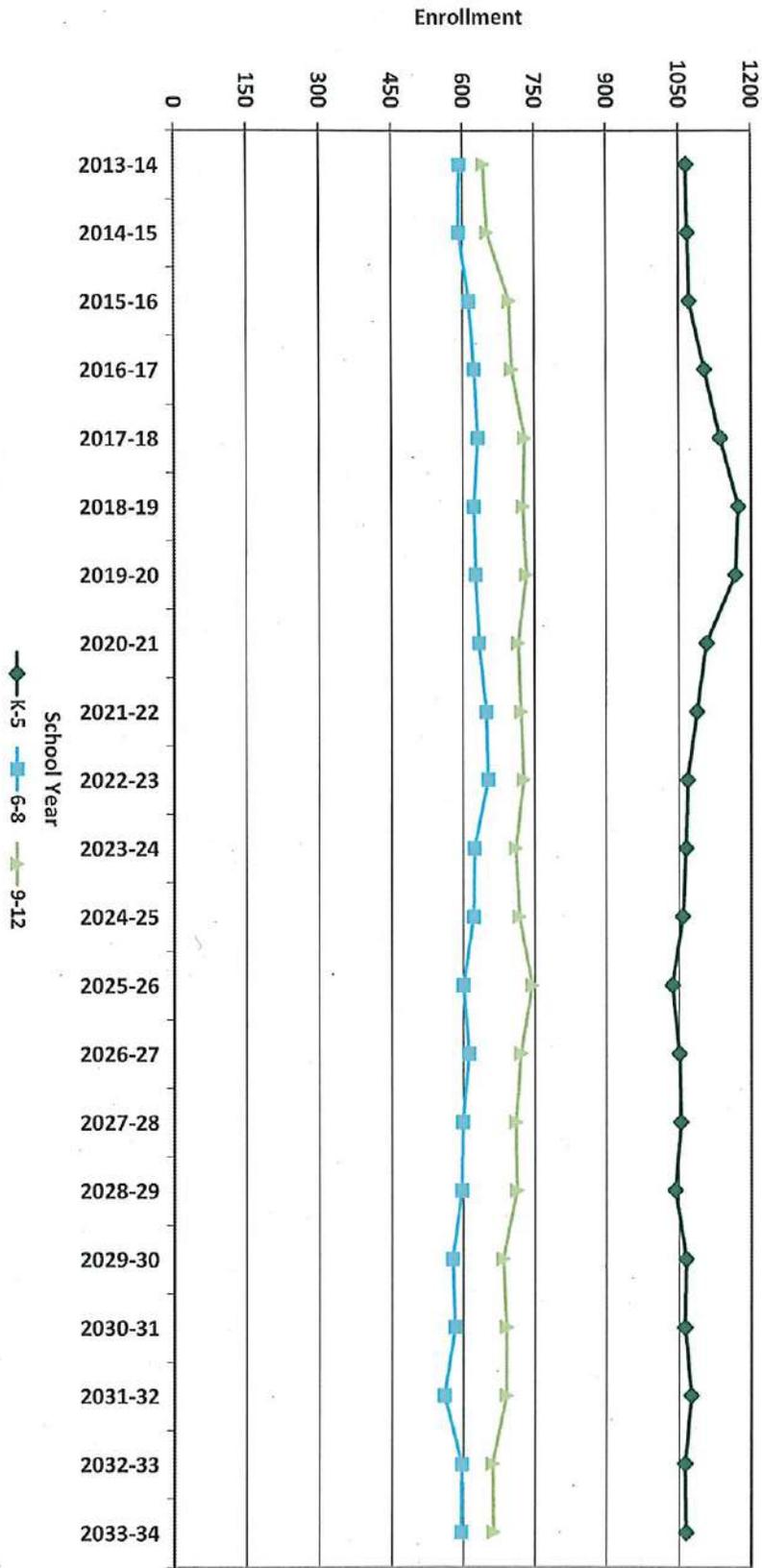
Historical & Projected Enrollment



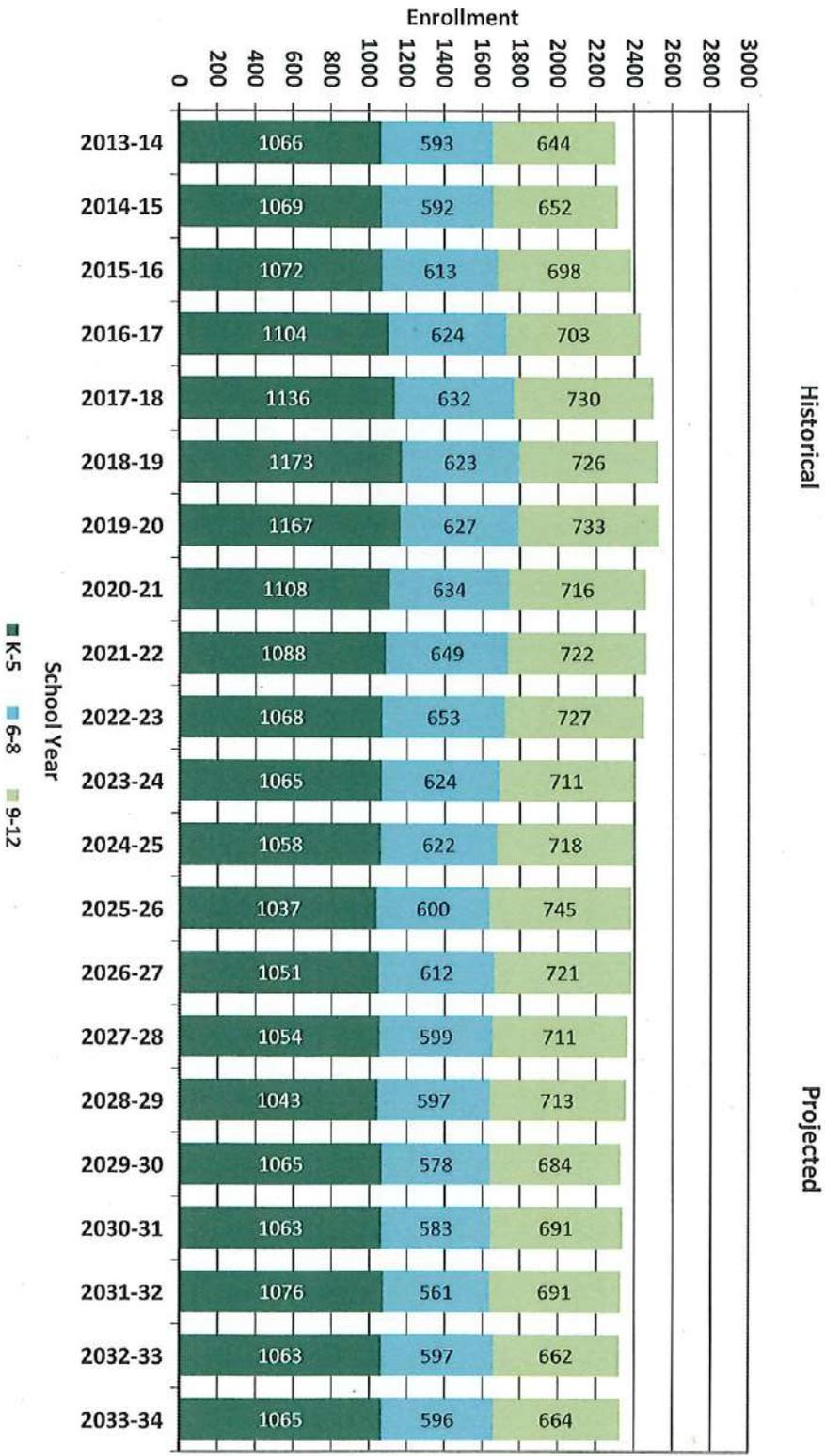
Historical & Projected Enrollments in Grade Combinations

Historical:

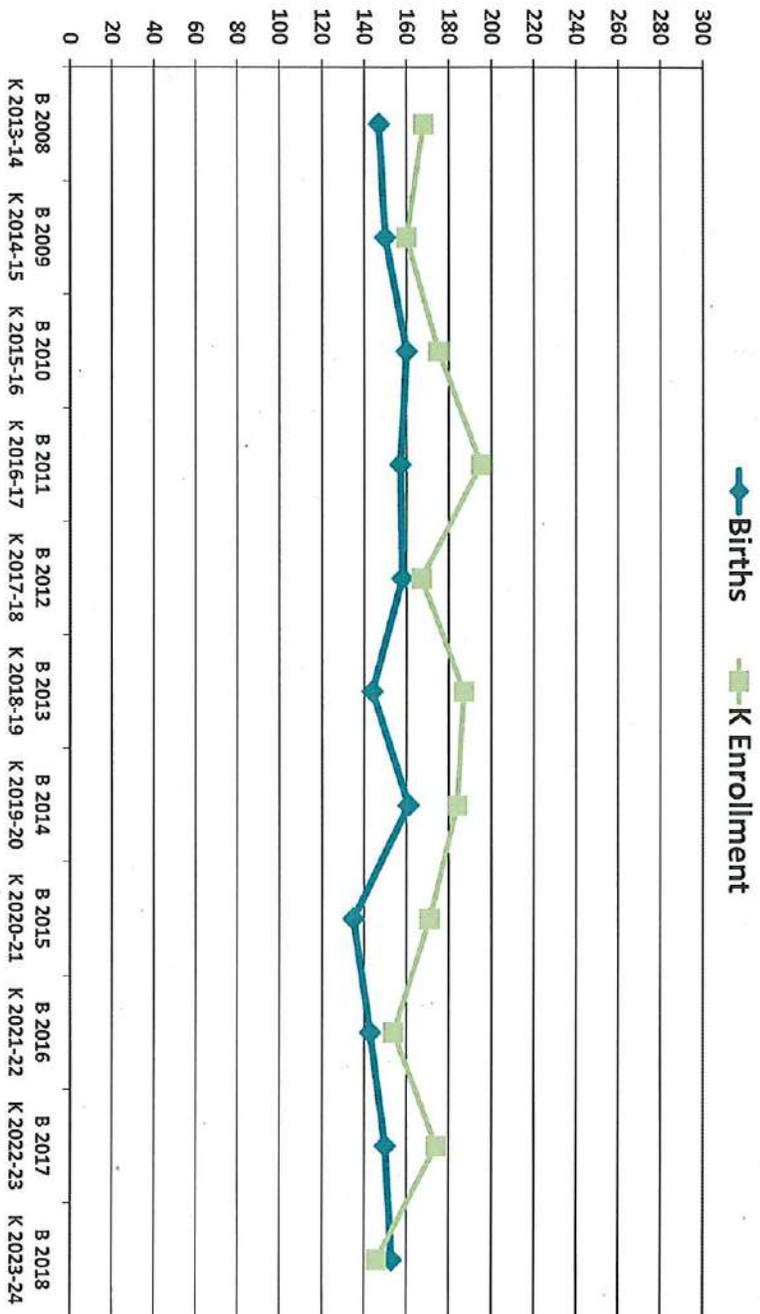
Projected



Historical & Projected Enrollments in Grade Combinations



Birth-to-Kindergarten Relationship



Additional Information

Year	Building Permits Issued (Source: HUD)		
	Single-Family		Multi-Units
2019	15		8
2020	15		2
2021	4		4
2022	9		6
2023	0 to date		114 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	92	87	79	29	15	15
2020-21	92	n/a	99	< 10 **	14	30
2021-22	143	132	84	22	13	31
2022-23	n/a	n/a	67	n/a	15	19
2023-24	130	85	77	24	28	23

*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 2021-2030	% 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 (lep@nesdec.org).