



RSU #18
Oakland, ME

School Year 2023-24 Enrollment Projection Report
Grades PK-12

Table of Contents

Section	Page
Enrollment Summary.....	1
Historical Enrollment Table.....	2
Grades K - 12 Historical Enrollment Graph.....	3
Grades K - 5 Historical Enrollment by Town.....	4
Grades 6 - 8 Historical Enrollment by Town.....	5
Grades 9 - 12 Historical Enrollment Graph.....	6
Projected Enrollment Table.....	7
Grades K - 12 Projected Enrollment Graph.....	8
Grades K - 5 Projected Enrollment by Town.....	9
Grades 6 - 8 Projected Enrollment by Town.....	10
Grades 9 - 12 Projected Enrollment Graph.....	11
Historical & Projected Enrollment Graph.....	12
Historical & Projected Enrollment in Grade Combinations Line Graph.....	13
Historical & Projected Enrollment in Grade Combinations Stacked Column Graph.....	14
Birth to Kindergarten Graph.....	15
Additional Information	16
New England's PK-12 Enrollment Trends.....	17
Methodology, Reliability and Use of this Document.....	18

RSU #18, ME 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 2 students of the District K-12 total, 2,500 students projected vs. 2,502 enrolled.

Births decreased by 2 from a previous ten-year average of 173 to a projected average of 175. 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 38 students per year.

Over the next three years, Grades K-5 enrollments are projected to decrease by 47 students, Grades 6-8 enrollments are projected to increase by 82 students, and Grades 9-12 enrollments are projected to decrease by 54 students, as students move through the grades.

Historical Enrollment

School District: **RSU #18, ME - Consolidated**

11/15/2023

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	179	2013-14	115	200	213	223	211	210	210	239	228	231	174	223	199	205	0	2766	2881
2009	196	2014-15	111	229	193	194	218	215	201	220	232	217	171	177	221	191	0	2679	2790
2010	194	2015-16	86	175	201	196	193	216	211	203	202	240	176	177	166	230	0	2586	2672
2011	161	2016-17	112	154	174	208	196	202	210	229	211	215	197	171	188	182	0	2537	2649
2012	163	2017-18	97	210	166	174	202	211	198	208	238	212	172	211	173	193	0	2568	2665
2013	153	2018-19	98	182	199	161	172	211	218	214	218	237	175	168	204	176	0	2535	2633
2014	179	2019-20	99	191	181	195	166	177	214	230	215	229	185	178	165	210	0	2536	2635
2015	172	2020-21	89	176	180	178	193	166	169	213	226	217	194	187	186	171	0	2456	2545
2016	197	2021-22	95	197	182	183	187	213	176	188	213	248	183	188	192	188	0	2538	2633
2017	160	2022-23	91	183	202	192	183	200	220	182	203	218	178	173	190	185	0	2509	2600
2018	180	2023-24	102	180	175	205	203	189	226	216	189	202	174	182	172	189	0	2502	2604

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

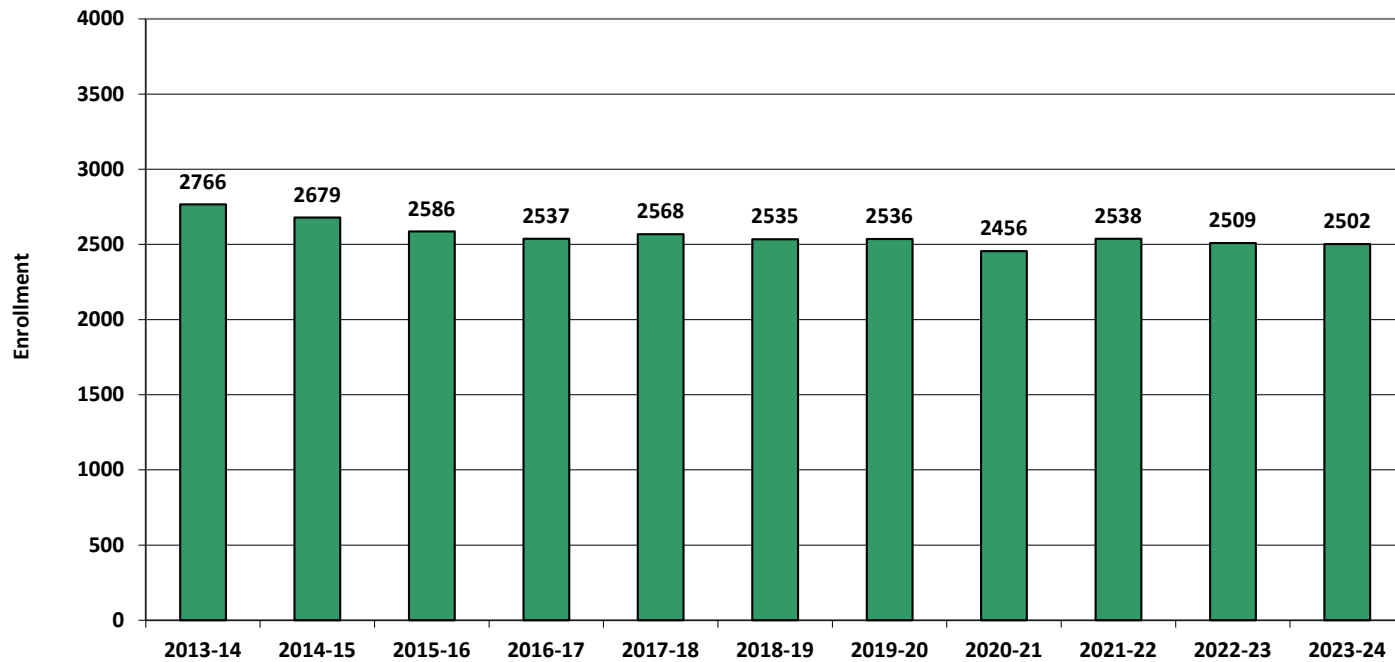
** < 10 Not reported, to protect subgroups with fewer than 10 students.

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	1382	1267	2080	1965	908	698	459	1499	801
2014-15	1361	1250	2030	1919	870	669	449	1429	760
2015-16	1278	1192	1923	1837	856	645	442	1394	749
2016-17	1256	1144	1911	1799	865	655	426	1393	738
2017-18	1258	1161	1916	1819	856	658	450	1407	749
2018-19	1241	1143	1910	1812	887	669	455	1392	723
2019-20	1223	1124	1897	1798	888	674	444	1412	738
2020-21	1151	1062	1807	1718	825	656	443	1394	738
2021-22	1233	1138	1882	1787	825	649	461	1400	751
2022-23	1271	1180	1874	1783	823	603	421	1329	726
2023-24	1280	1178	1887	1785	833	607	391	1324	717

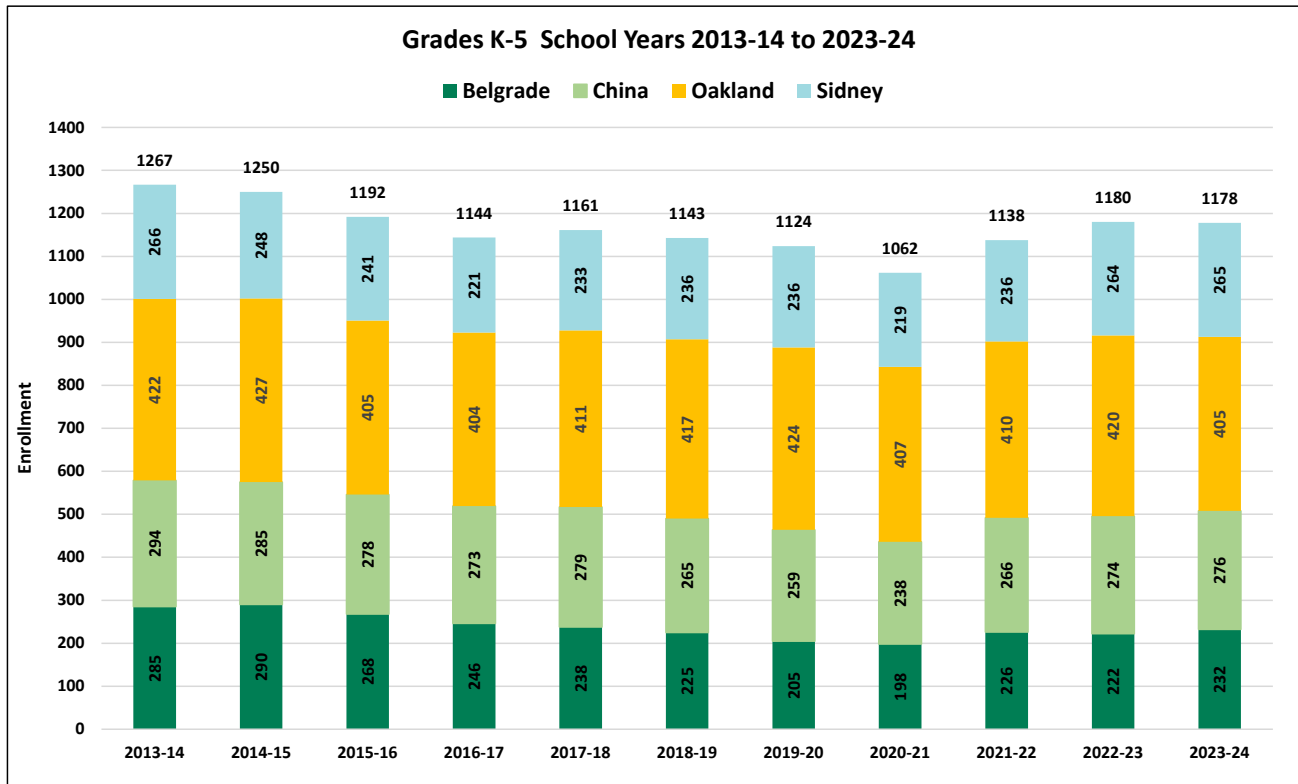
Historical Percentage Changes			
School Year	K-12	Diff.	%
2013-14	2766		
2014-15	2679	-87	-3.1%
2015-16	2586	-93	-3.5%
2016-17	2537	-49	-1.9%
2017-18	2568	31	1.2%
2018-19	2535	-33	-1.3%
2019-20	2536	1	0.0%
2020-21	2456	-80	-3.2%
2021-22	2538	82	3.3%
2022-23	2509	-29	-1.1%
2023-24	2502	-7	-0.3%
Change		-264	-9.5%

Grades K-12 Historical Enrollment

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



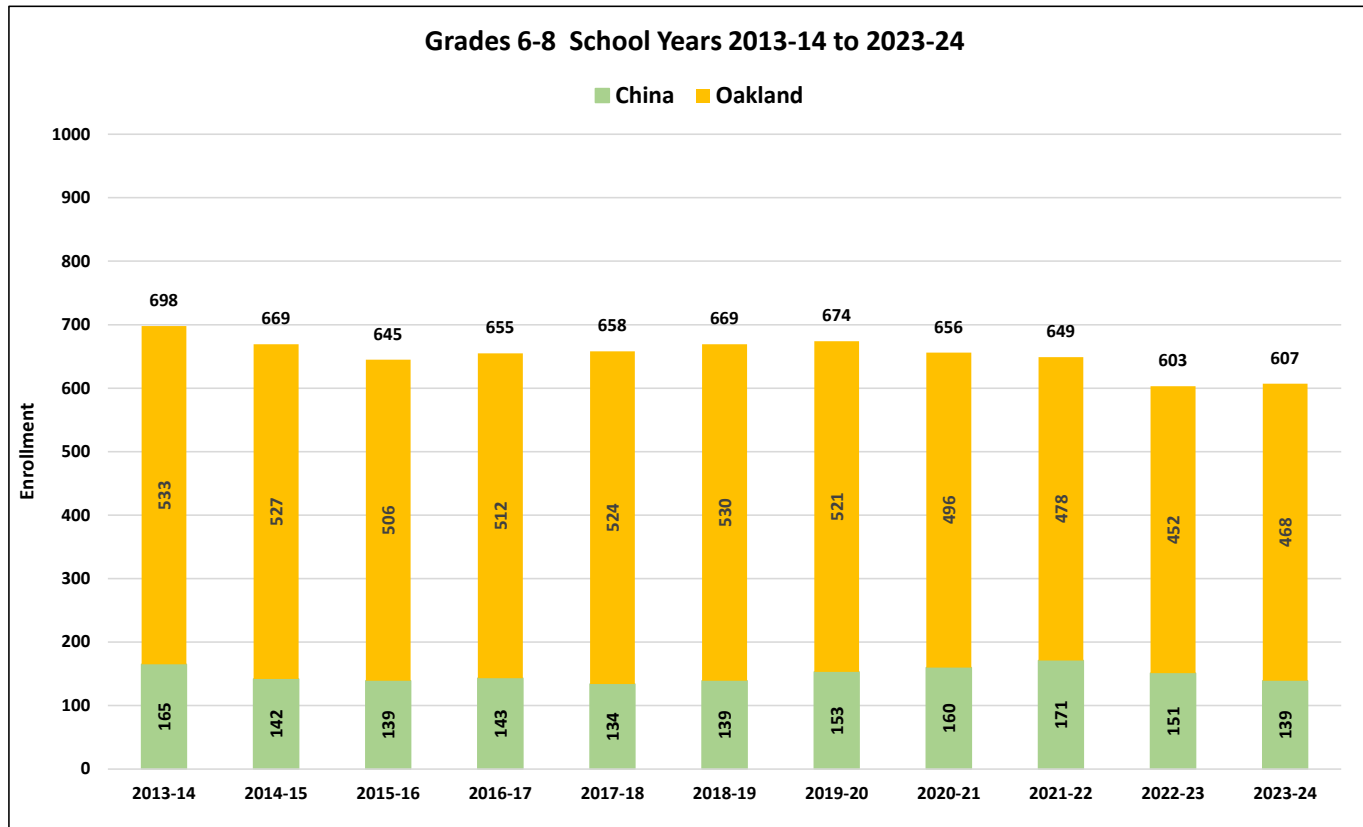
Grades K - 5 Historical Enrollment By Town



Town	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Belgrade	22%	23%	22%	22%	20%	20%	18%	19%	20%	19%	20%
China	23%	23%	23%	24%	24%	23%	23%	22%	23%	23%	23%
Oakland	33%	34%	34%	35%	35%	36%	38%	38%	36%	36%	34%
Sidney	21%	20%	20%	19%	20%	21%	21%	21%	21%	22%	22%

* percentages rounded

Grades 6-8 Historical Enrollment By Town



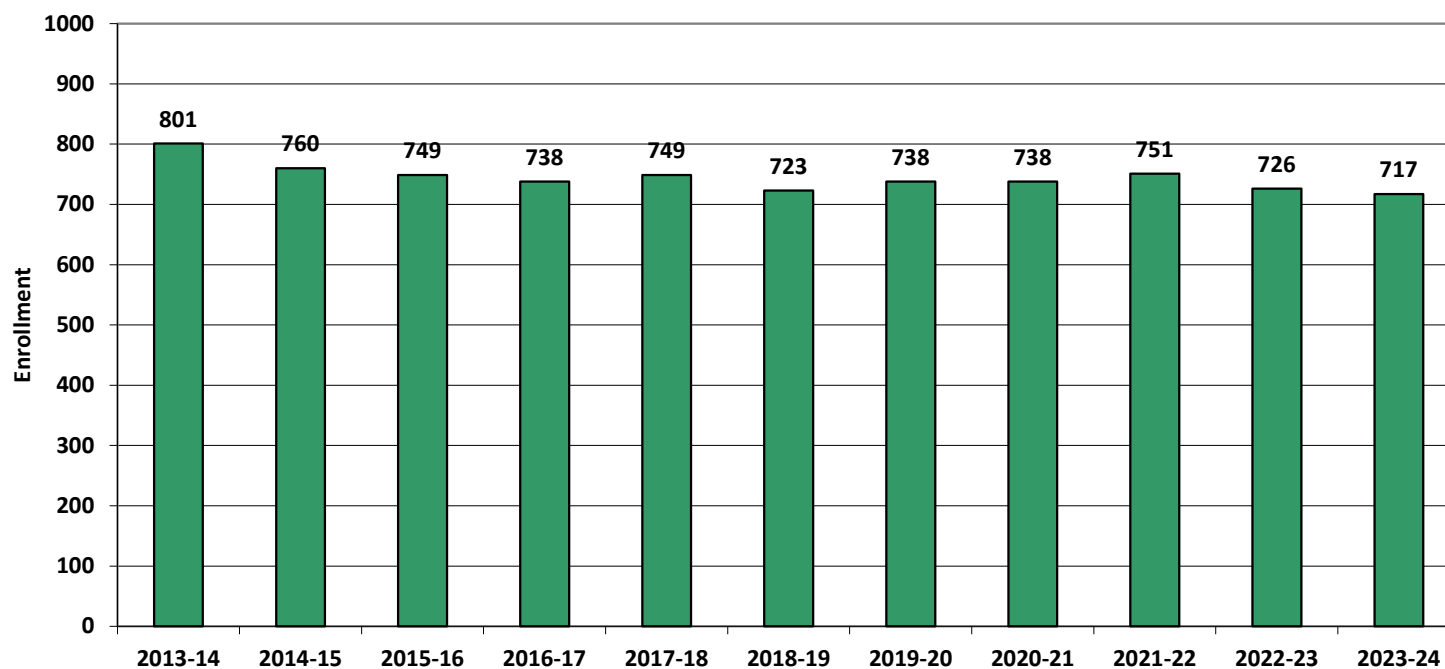
Town	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
China	24%	21%	22%	22%	20%	21%	23%	24%	26%	25%	23%
Oakland	76%	79%	78%	78%	80%	79%	77%	76%	74%	75%	77%

* percentages rounded



Grades 9 - 12 Historical Enrollment

Grades 9-12, School Years 2013-14 to 2023-24



Projected Enrollment

School District: **RSU #18, ME - Consolidated**

11/15/2023

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	180		2023-24	102	180	175	205	203	189	226	216	189	202	174	182	172	189	0	2502	2604
2019	170		2024-25	102	178	178	178	211	213	201	232	221	194	160	171	184	174	0	2495	2597
2020	157		2025-26	103	164	177	180	182	221	227	206	238	227	153	157	173	186	0	2491	2594
2021	171		2026-27	106	179	163	179	184	190	236	233	211	245	179	150	159	175	0	2483	2589
2022	186	(prov.)	2027-28	107	195	178	165	183	192	201	242	238	216	194	175	152	161	0	2492	2599
2023	173	(est.)	2028-29	107	181	193	180	169	191	205	207	247	244	171	190	177	154	0	2509	2616
2024	171	(est.)	2029-30	111	179	180	195	185	179	202	211	212	253	193	168	192	179	0	2528	2639
2025	172	(est.)	2030-31	111	179	178	182	199	194	189	208	216	217	200	189	170	194	0	2515	2626
2026	175	(est.)	2031-32	113	182	178	180	186	209	203	194	213	221	171	196	191	172	0	2496	2609
2027	175	(est.)	2032-33	116	184	181	180	184	195	221	208	199	218	175	168	198	193	0	2504	2620
2028	173	(est.)	2033-34	118	182	183	183	184	193	207	227	213	204	172	172	170	200	0	2490	2608

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.

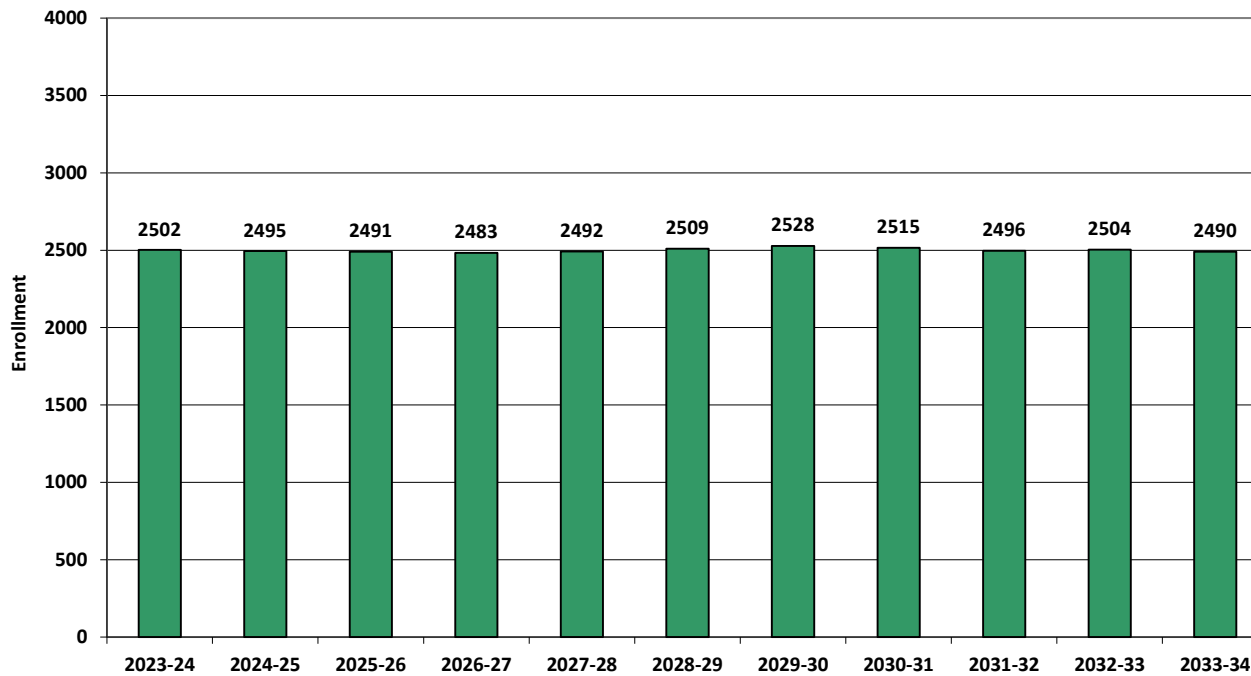
Projected Enrollment in Grade Combinations*									
School Year	PK-5	K-5	PK-8	K-8	5-8	6-8	7-8	6-12	9-12
2023-24	1280	1178	1887	1785	833	607	391	1324	717
2024-25	1261	1159	1908	1806	848	647	415	1336	689
2025-26	1254	1151	1925	1822	898	671	465	1340	669
2026-27	1237	1131	1926	1820	925	689	456	1352	663
2027-28	1221	1114	1917	1810	897	696	454	1378	682
2028-29	1226	1119	1924	1817	903	698	491	1390	692
2029-30	1231	1120	1907	1796	878	676	465	1408	732
2030-31	1232	1121	1873	1762	830	641	433	1394	753
2031-32	1251	1138	1879	1766	831	628	434	1358	730
2032-33	1261	1145	1886	1770	846	625	417	1359	734
2033-34	1250	1132	1894	1776	851	644	417	1358	714

Projected Percentage Changes			
School Year	K-12	Diff.	%
2023-24	2502	0	0.0%
2024-25	2495	-7	-0.3%
2025-26	2491	-4	-0.2%
2026-27	2483	-8	-0.3%
2027-28	2492	9	0.4%
2028-29	2509	17	0.7%
2029-30	2528	19	0.8%
2030-31	2515	-13	-0.5%
2031-32	2496	-19	-0.8%
2032-33	2504	8	0.3%
2033-34	2490	-14	-0.6%
Change		-12	-0.5%

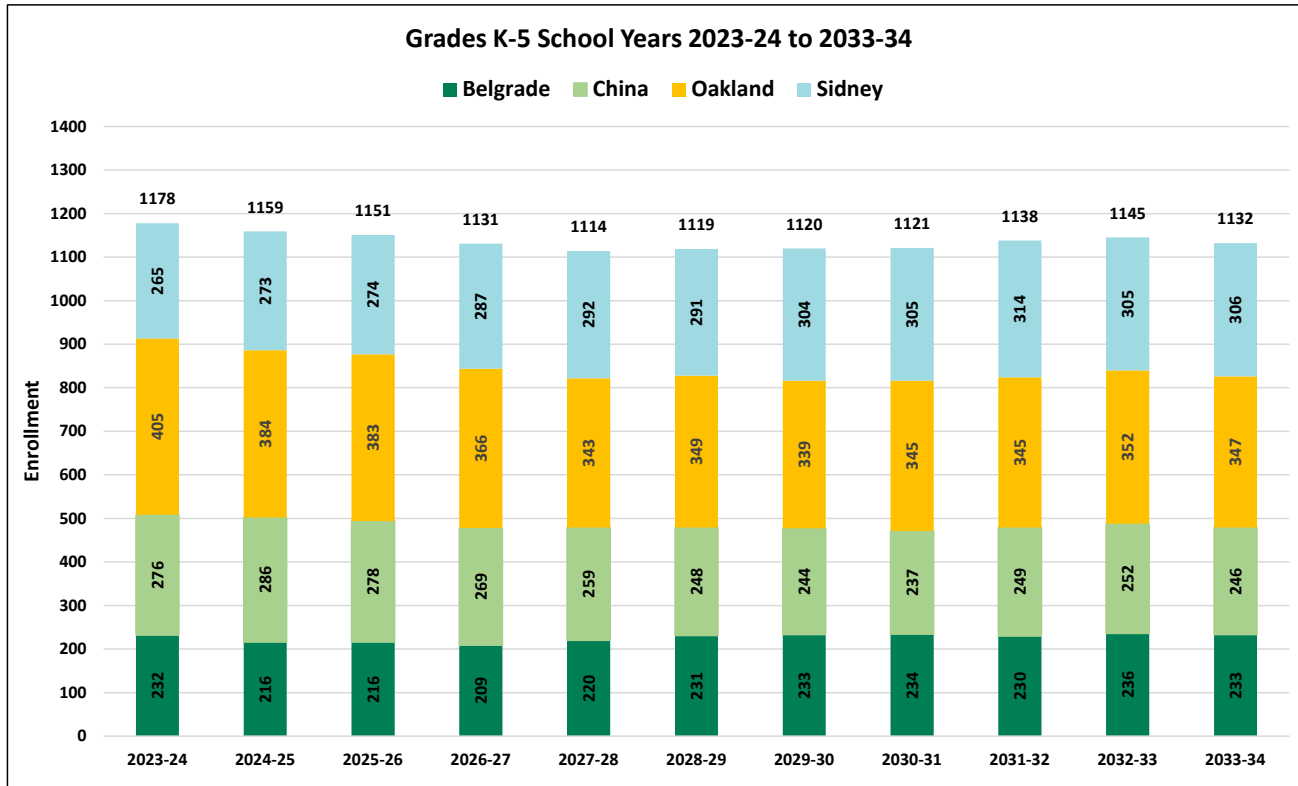
*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

Grade K-12 Projected Enrollment

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



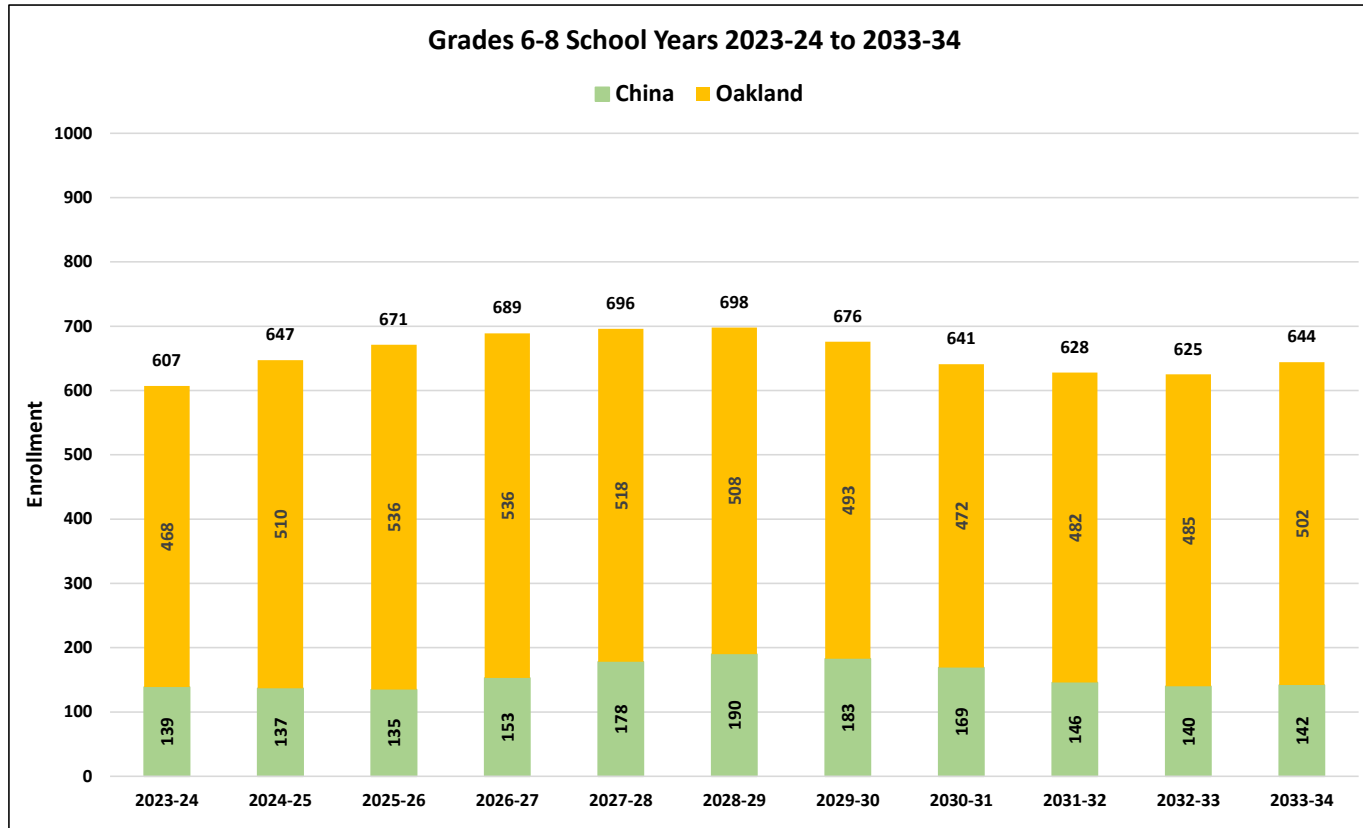
Grades K-5 Projected Enrollment By Town



Town	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34
Belgrade	20%	19%	19%	18%	20%	21%	21%	21%	20%	21%	21%
China	23%	25%	24%	24%	23%	22%	22%	21%	22%	22%	22%
Oakland	34%	33%	33%	32%	31%	31%	30%	31%	30%	31%	31%
Sidney	22%	24%	24%	25%	26%	26%	27%	27%	28%	27%	27%
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

* percentages rounded

Grades 6-8 Projected Enrollment By Town



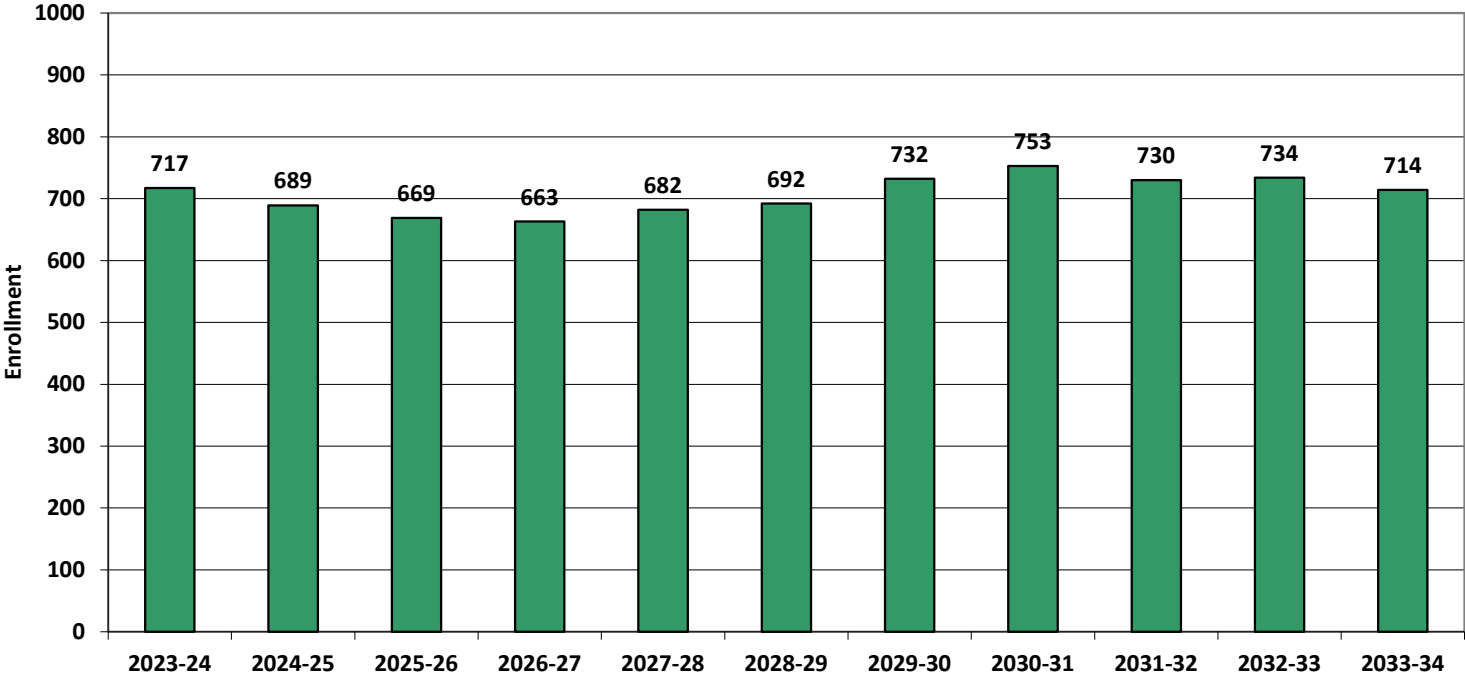
Town	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34
China	23%	21%	20%	22%	26%	27%	27%	26%	23%	22%	22%
Oakland	77%	79%	80%	78%	74%	73%	73%	74%	77%	78%	78%

* percentages rounded

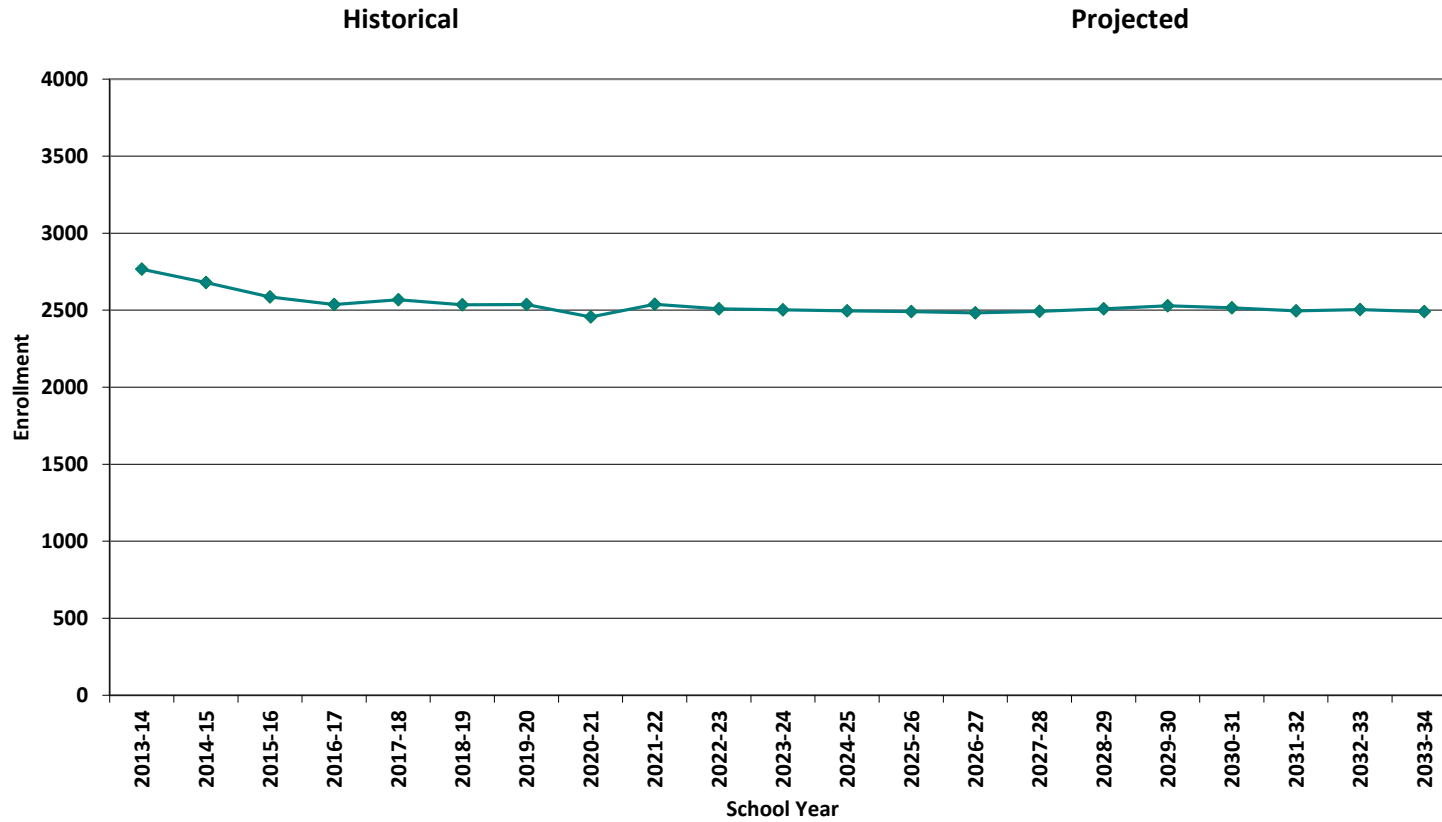


Grades 9-12 Projected Enrollment

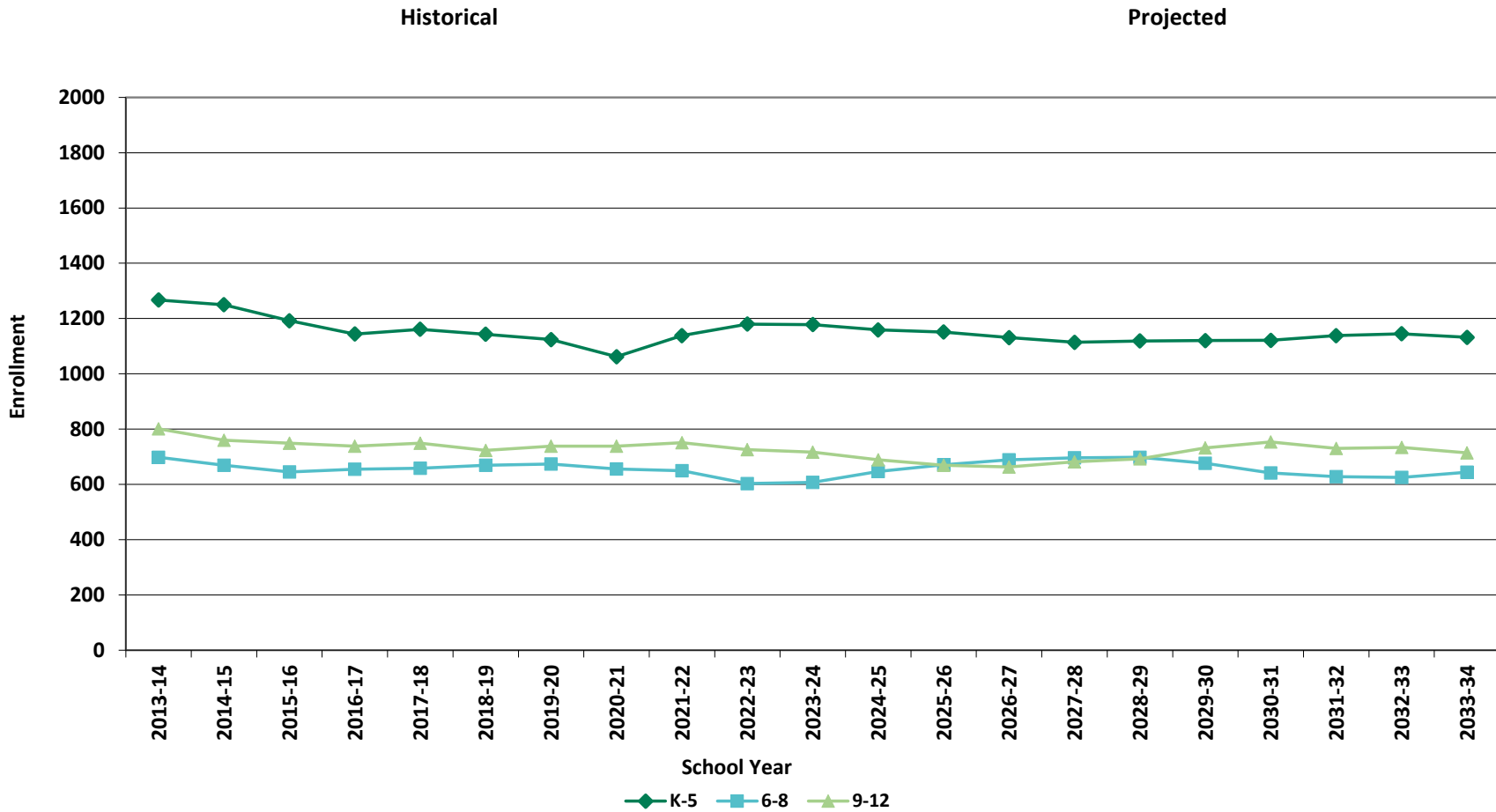
Grades 9-12, School Years 2023-24 to 2033-34



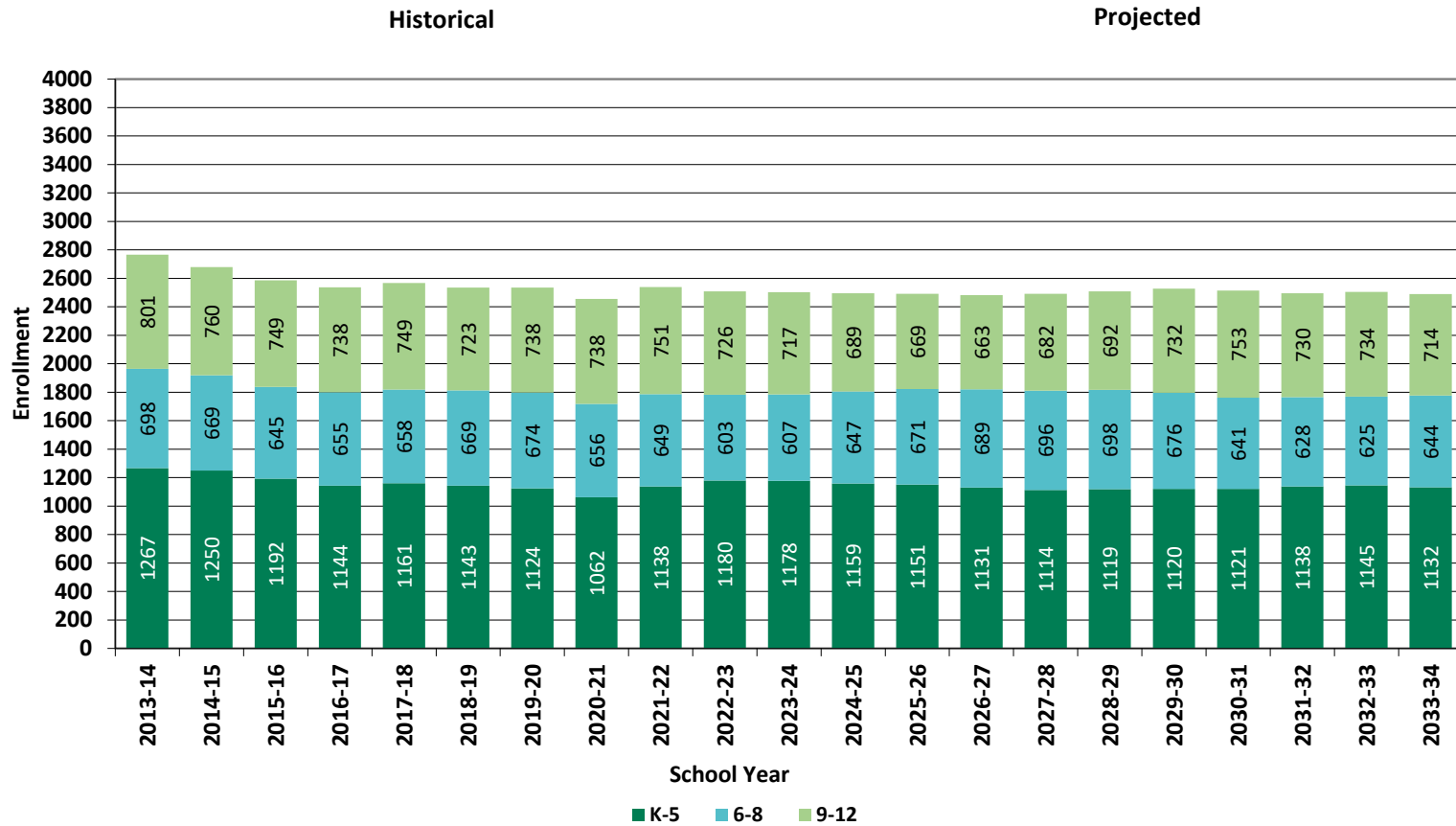
K - 12 Historical & Projected Enrollment



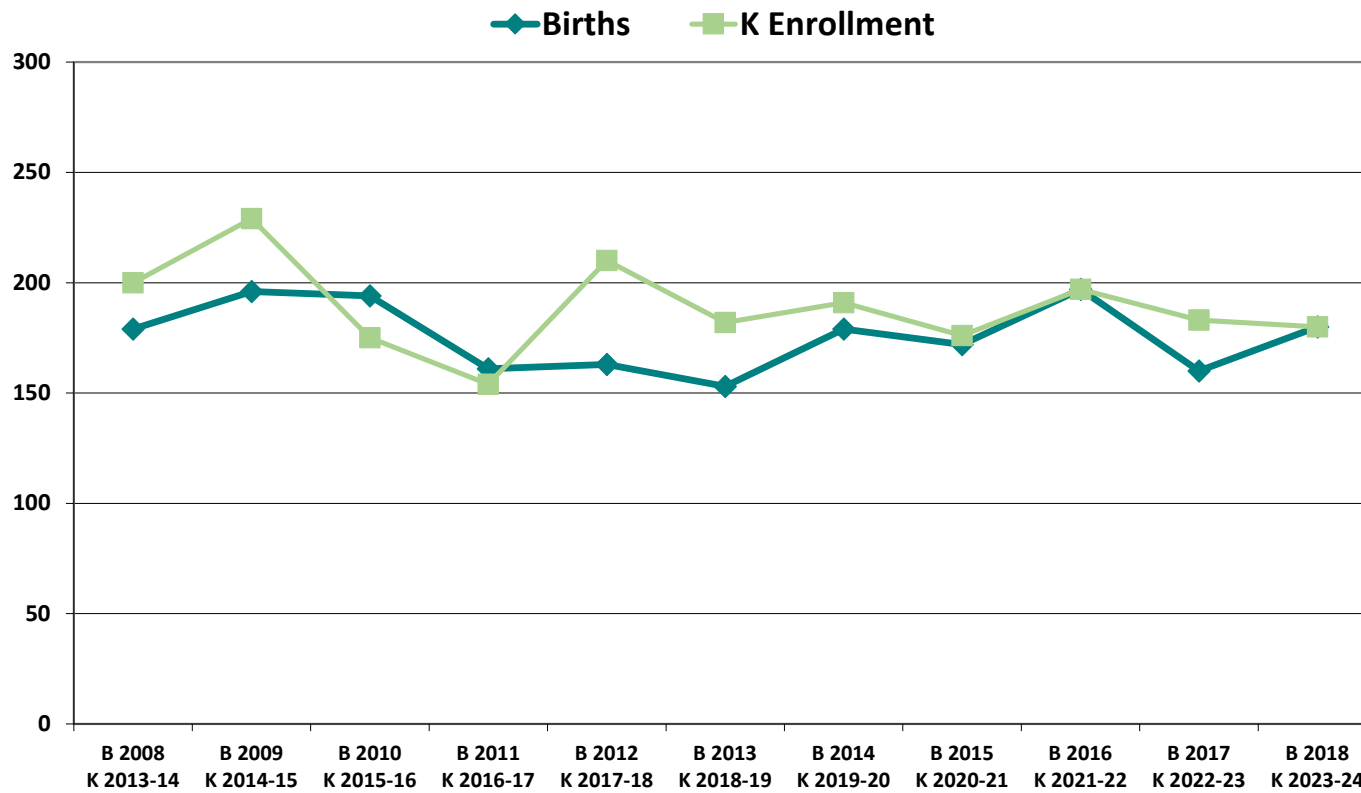
Historical & Projected Enrollments in Grade Combinations



Historical & Projected Enrollments in Grade Combinations



Birth-to-Kindergarten Relationship



Additional Information

Building Permits Issued		
(Source: HUD)		
Year	Single-Family	Multi-Units
2019	B0, C24, O11, R5, S32	0
2020	B8, C27, O13, R6, S25	O4
2021	B22, C33, O16, R11, S33	0
2022	B88, C29, O15, R7, S31	O4
2023	B57, C19, O7, R7, S21 to date	0 to date

Note: B - Belgrade, C - China, O - Oakland, R - Rome, S - Sidney

Combined District						
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	n/a	n/a	n/a	n/a
2020-21	n/a	n/a	n/a	n/a	n/a	n/a
2021-22	n/a	n/a	n/a	n/a	n/a	n/a
2022-23	121	182	96	49	< 10 **	153
2023-24	n/a	23	98	216	< 10 **	168

*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.

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).