

# Medfield Public Schools

## Registrar's Office

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### **2022-2023 Enrollment Totals**

**as of**

**August 24, 2022**

<b>GRADE</b>	<b>AUG 24</b>
K	171
1	204
2	179
3	203
4	199
5	192
6	199
7	202
8	182
9	174
10	179
11	186
12	199
<b>Enrollment Total</b>	<b>2470</b>



*New England School Development Council*

**Medfield Public Schools  
Medfield, MA**

**2021-22 Enrollment Projection Report  
Second Semester Spring Update**

## Second Semester Spring Update Enrollment Summary

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.

**Of note, projections are generally more reliable when they are closest in time to the current year.** Projections four to ten years out may serve as a guide to future enrollments.

We are pleased to send you this Second Semester Spring Update.

We have reviewed the updated Spring Enrollment and note that the enrollment growth is similar to the previous projection for Grades K-5. Over the next three years, Grades 6-8 are now projected to increase by a total of +44 students and Grades 9-12 are projected to decrease by a total of -63 students. We look forward to fully updating data in Fall, 2022.



# Historical Enrollment

School District: **Medfield, MA - Second Semester Spring Update**

3/21/2022

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
2006	116	2011-12	51	173	179	201	199	214	225	234	239	249	201	233	237	227	0	2811	2862
2007	100	2012-13	49	146	183	186	205	199	222	225	233	237	237	195	231	240	0	2739	2788
2008	96	2013-14	49	157	158	177	189	206	197	216	216	228	222	231	197	232	0	2626	2675
2009	72	2014-15	59	149	170	163	187	197	210	204	217	213	228	223	233	202	0	2596	2655
2010	104	2015-16	57	168	164	173	171	187	202	208	200	212	198	221	218	231	0	2553	2610
2011	80	2016-17	61	178	183	174	174	178	191	216	207	204	207	196	222	218	0	2548	2609
2012	88	2017-18	70	175	194	195	184	183	182	195	218	209	199	209	191	230	0	2564	2634
2013	98	2018-19	52	184	187	202	201	189	188	186	195	217	205	197	206	190	0	2547	2599
2014	100	2019-20	50	195	191	187	201	204	194	193	186	196	199	198	201	206	0	2551	2601
2015	115	2020-21	36	164	188	192	190	196	211	191	186	183	185	201	192	195	2	2476	2512
2016	120	2021-22	49	197	181	200	196	194	197	206	184	176	179	183	197	190	3	2483	2532
<b>2022 Spring Update</b>			<b>55</b>	<b>199</b>	<b>178</b>	<b>201</b>	<b>199</b>	<b>195</b>	<b>199</b>	<b>205</b>	<b>182</b>	<b>174</b>	<b>176</b>	<b>184</b>	<b>197</b>	<b>190</b>	<b>3</b>	<b>2482</b>	<b>2537</b>

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

Historical Enrollment in Grade Combinations										
Year	PK-1	2-3	4-5	PK-5	K-5	6-8	PK-8	K-8	9-12	
2011-12	403	400	439	1242	1191	722	1964	1913	898	
2012-13	378	391	421	1190	1141	695	1885	1836	903	
2013-14	364	366	403	1133	1084	660	1793	1744	882	
2014-15	378	350	407	1135	1076	634	1769	1710	886	
2015-16	389	344	369	1122	1065	620	1742	1685	868	
2016-17	422	348	369	1139	1078	627	1766	1705	843	
2017-18	439	379	365	1183	1113	622	1805	1735	829	
2018-19	423	403	377	1203	1151	598	1801	1749	798	
2019-20	436	388	398	1222	1172	575	1797	1747	804	
2020-21	388	382	407	1177	1141	560	1737	1701	773	
Fall 2021	427	396	391	1214	1165	566	1780	1731	749	

Historical Percentage Changes			
Year	K-12	Diff.	%
2011-12	2811	0	0.0%
2012-13	2739	-72	-2.6%
2013-14	2626	-113	-4.1%
2014-15	2596	-30	-1.1%
2015-16	2553	-43	-1.7%
2016-17	2548	-5	-0.2%
2017-18	2564	16	0.6%
2018-19	2547	-17	-0.7%
2019-20	2551	4	0.2%
2020-21	2476	-75	-2.9%
2021-22	2483	7	0.3%
<b>Change</b>		<b>-328</b>	<b>-11.7%</b>



# Second Semester Spring Update Projected Enrollment

School District: **Medfield, MA - Second Semester Spring Update**

3/21/2022

Spring Projections are based on updated Spring Enrollment data.

Birth Year	Births*	School Year	Enrollment Projections By Grade*																
			PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2016	120	2021-22	55	199	178	201	199	195	199	205	182	174	176	184	197	190	3	2482	2537
2017	92	2022-23	50	160	208	183	204	203	200	202	202	177	165	174	181	196	3	2458	2508
2018	118	2023-24	51	205	167	214	186	208	208	203	199	197	168	163	171	180	3	2472	2523
2019	110	2024-25	52	191	214	172	217	190	213	211	200	194	187	166	161	170	3	2489	2541
2020	102	(prov.)	53	177	199	220	175	221	195	216	208	195	184	185	164	160	3	2502	2555
2021	108	2025-26	54	188	185	204	223	179	227	198	213	203	185	182	163	163	3	2535	2589
2022	106	2026-27	55	184	196	190	207	227	184	230	196	208	193	183	179	181	3	2561	2616
2023	109	2027-28	56	189	192	201	193	211	233	186	227	191	198	191	180	178	3	2573	2629
2024	107	2028-29	57	186	197	197	204	197	216	236	184	221	181	196	188	179	3	2585	2642
2025	106	2029-30	58	185	194	202	200	208	202	219	233	179	210	179	193	187	3	2594	2652
2026	107	2031-32	59	186	193	199	205	204	213	205	216	227	170	208	176	192	3	2597	2656

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

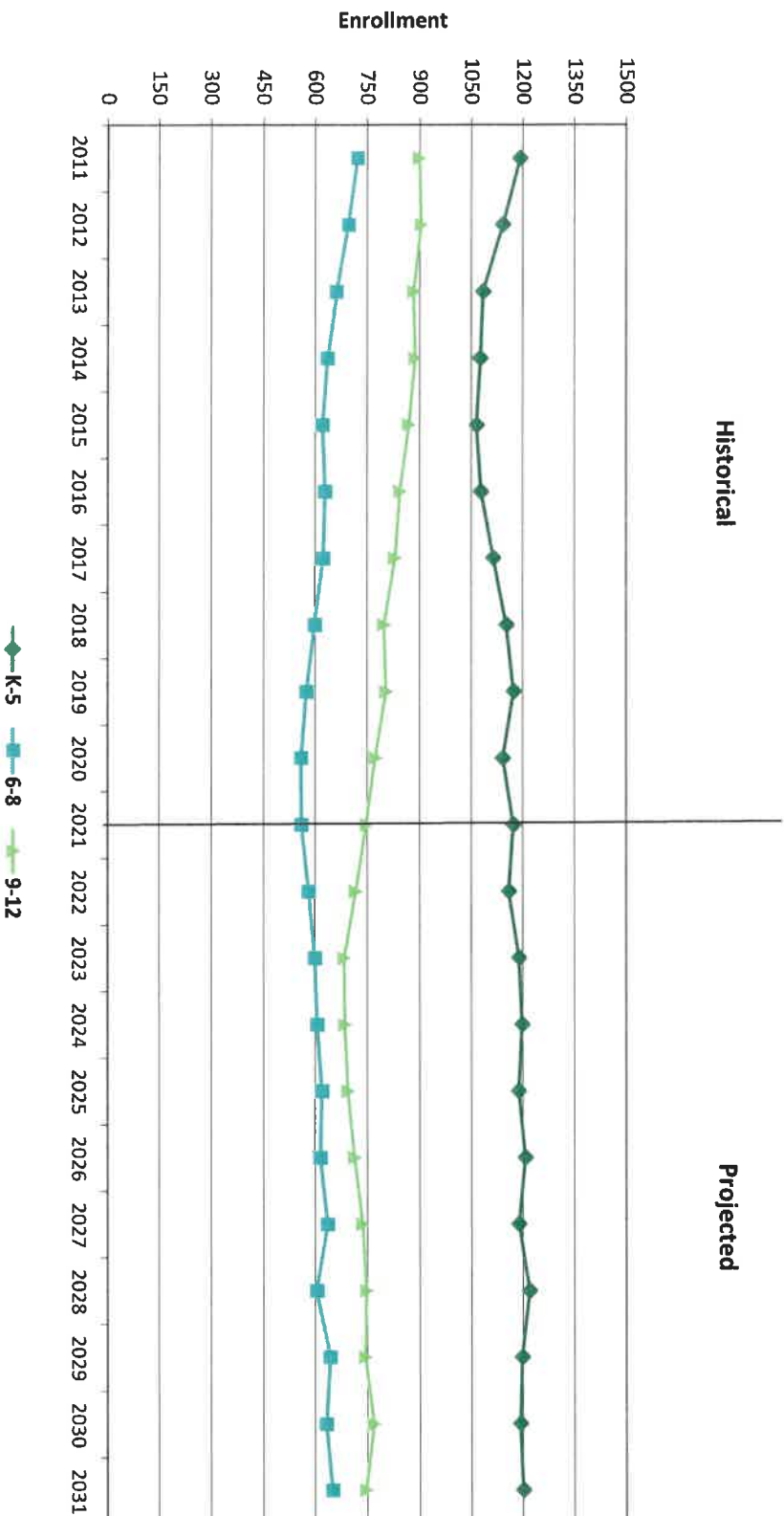
Based on students already enrolled

Year	Projected Enrollment in Grade Combinations*									
	PK-1	2-3	4-5	PK-5	K-5	6-8	PK-8	K-8	9-12	
2021-22	432	400	394	1226	1171	561	1787	1732	747	
2022-23	418	387	403	1208	1158	581	1789	1739	716	
2023-24	423	400	416	1239	1188	599	1838	1787	682	
2024-25	457	389	403	1249	1197	605	1854	1802	684	
2025-26	429	395	416	1240	1187	619	1859	1806	693	
2026-27	427	427	406	1260	1206	614	1874	1820	712	
2027-28	435	397	411	1243	1188	634	1877	1822	736	
2028-29	437	394	444	1275	1219	604	1879	1823	747	
2029-30	440	401	413	1254	1197	641	1895	1838	744	
2030-31	437	402	410	1249	1191	631	1880	1822	769	
2031-32	438	404	417	1259	1200	648	1907	1848	746	

Year	Projected Percentage Changes*		
	K-12	Diff.	%
2021-22	2482	0	0.0%
2022-23	2458	-24	-1.0%
2023-24	2472	14	0.6%
2024-25	2489	17	0.7%
2025-26	2502	13	0.5%
2026-27	2535	33	1.3%
2027-28	2561	26	1.0%
2028-29	2573	12	0.5%
2029-30	2585	12	0.5%
2030-31	2594	9	0.3%
2031-32	2597	3	0.1%
Change	115	4.6%	

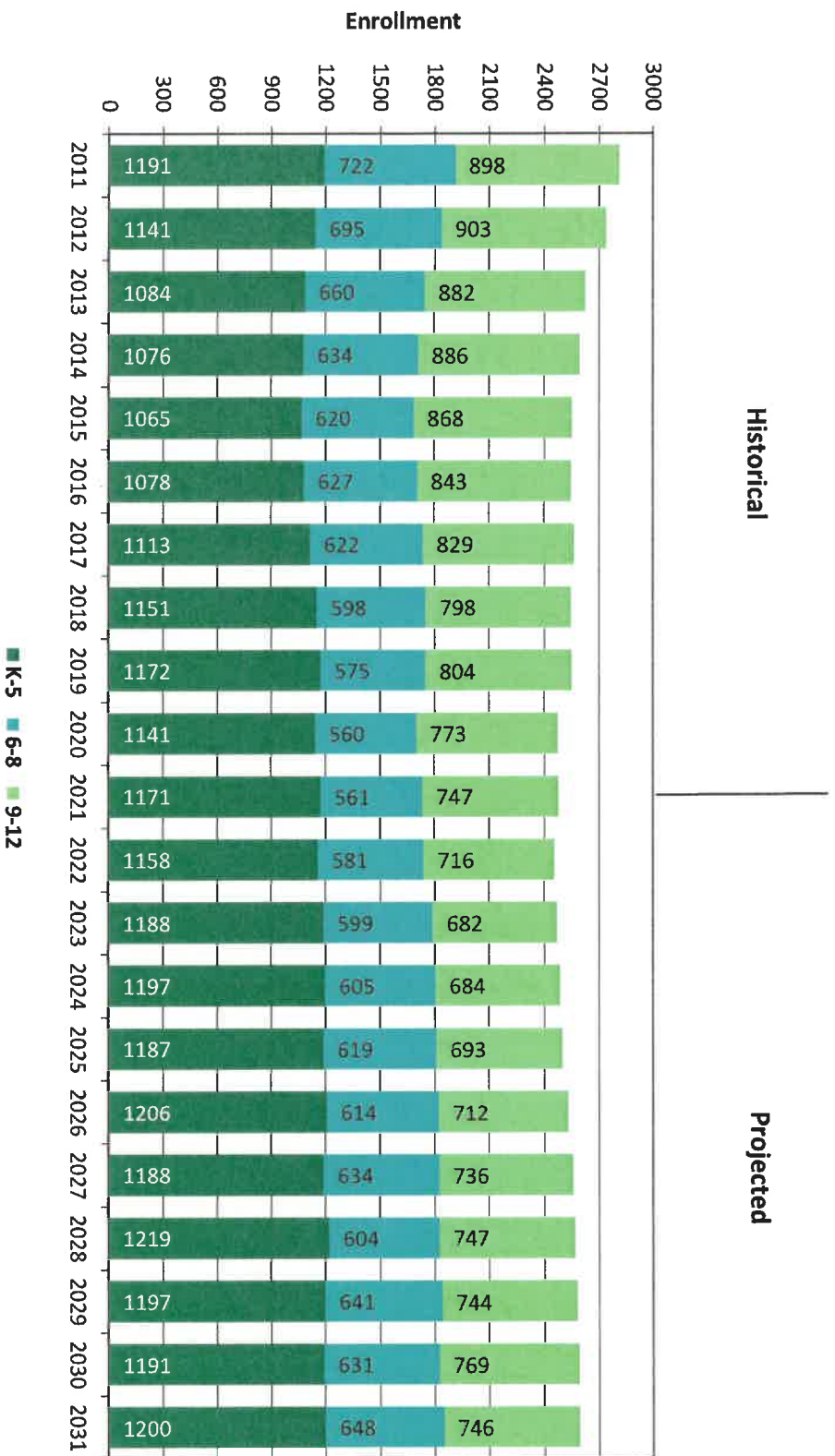
\*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

# Historical & Projected Enrollments in Grade Combinations



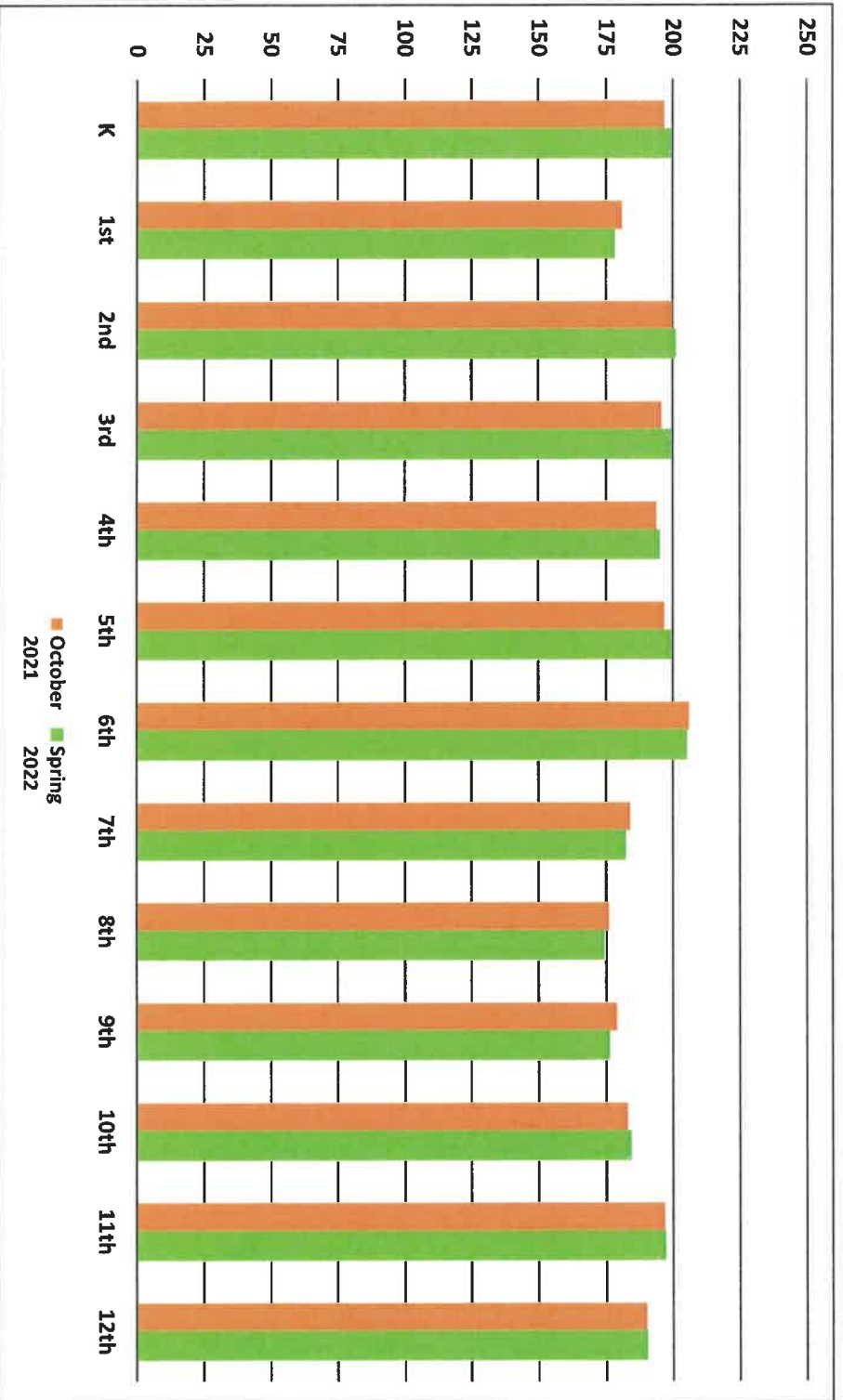
Note: Projections are based on Spring 2022 data.

# Historical & Projected Enrollments in Grade Combinations



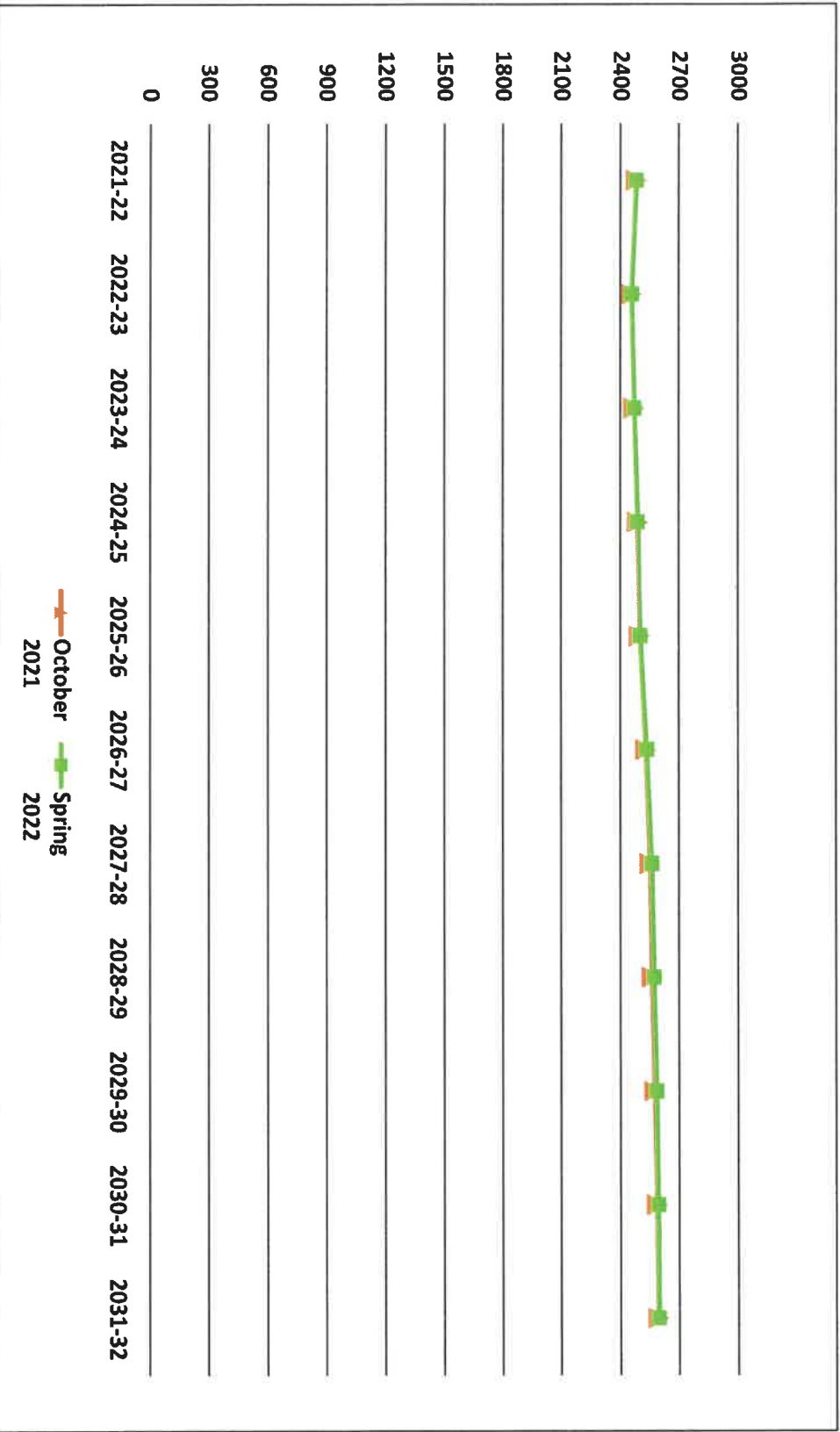
Note: Projections are based on Spring 2022 data.

# October 2021 vs. Spring 2022 Enrollment by Grade





# K-12 Projections to 2030 Based on October 2021 vs. Spring 2022 Data



# 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. Projections are generally most reliable when they are closest in time to the current year, and the more stable the variables noted above, the easier and more reliable the projections. Projections six to ten years out may serve as a guide to future enrollments and are useful for facility planning purposes, but they should be viewed as subject to change, given the likelihood of changes in the underlying assumptions/trends.

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](mailto:ep@nesdec.org)).