



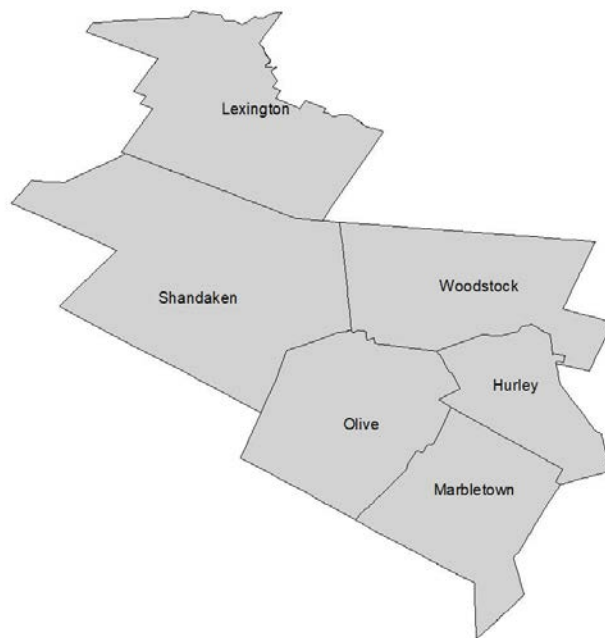
Enrollment Projections
through 2027-28
Update

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Introduction

The Onteora Central School District comprises five (5) schools of which two (2) are K-3 elementary schools; one (1) is a 4-6 elementary; one (1) is a middle school housing grades 7 and 8; and a high school housing grades 9-12. The Onteora Central School District serves students from the Towns of Shandaken, Olive and parts of Woodstock, Hurley, Marbletown and Lexington. As of the 2022-23 school year, as per the data provided by the Onteora Central School District, the total enrollment is 1,110 on BEDS Day.



Methodology

This study used the cohort survival method for enrollment projections, which projects future students by grade. The Cohort Survival model is considered very reliable and is utilized by several Departments of Education in their student projections and the U.S. Census Bureau for their reports. The model uses an "aging" concept that moves a group, or cohort, of students into the future and increases or decreases their numbers according to past experience through history. The Cohort Survival methodology relies on historical enrollment and live birth data to capture the effects of in and out-migration, housing changes, and natural trends in population. In essence, the model derives a growth factor or ratio for student survival matriculation to the next grade based upon previous survival numbers to the same grade of students in each district. This model derives the growth factor by applying a non-weighted average survivor rate over a historical period ranging from the previous 2 to 7 years. To account for other external factors that could influence future enrollment, this model allows for an "Additional Adjustment Factor" (entered as a %) to account for the net effect of all known external factors.

Data Sources

1. Enrollment data for the years 2013-14 through 2022-23 was taken from the New York State Department of Education (<http://www.p12.nysed.gov/irs/statistics/enroll-n-staff/home.html>).
2. Live Birth by Zip Codes
3. Historical Live Birth rates and Survival rates

Executive Summary

1. The total enrollment in the Onteora Central School District decreased from 1,392 students in 2013-14 (not including ungraded) to 1,110 in 2022-23. This is a decrease of 282 students or approximately 21%. The enrollment is projected to decrease from the current 1,110 to 934 in 2027-28. This is a decrease of another 166 students or approx. 15.1%.
or approximately
2. The enrollment in grades K-3 decreased from 408 students in 2013-14 to 280 in 2022-23. This is a decline of 128 students or approximately 31.4%. The K-3 enrollment is to remain stable through 2027-28 (289 in 2027-28) showing no further decline.
3. The grade 4-6 enrollment declined from 316 students in 2013-14 to 214 students in 2022-23. This is decrease of 102 students or approximately 32.3%. The 4-6 enrollment is projected to decline to 185 in 2027-28, which is a decrease of another 29 students or approximately 13.5%.
4. The middle school enrollment decreased from 207 in 2013-14 to 192 in 2022-23. This is a slight decrease 15 students or approximately 7.3%. The middle school enrollment is projected to decrease from the current 192 to 147 in 2027-28. This is a decrease of 45 students or approximately 23.4%.
5. The High School enrollment declined from 461 students in 2013-14 to 424 students in 2022-23. This is a decline of 37 students or approximately 8%. The High School enrollment is projected to decrease from the current 424 to 315 in 2027-28. This is a decrease of another 109 students or approximately 25.7%.

Table 1: Summary of Enrollment History and Projection K-12

Table 1 shows the changes in enrollment for the District in each of the schools in five-year increments. The table shows an overall decline in enrollment with the exception of grades 5-8 which appear to be stable.

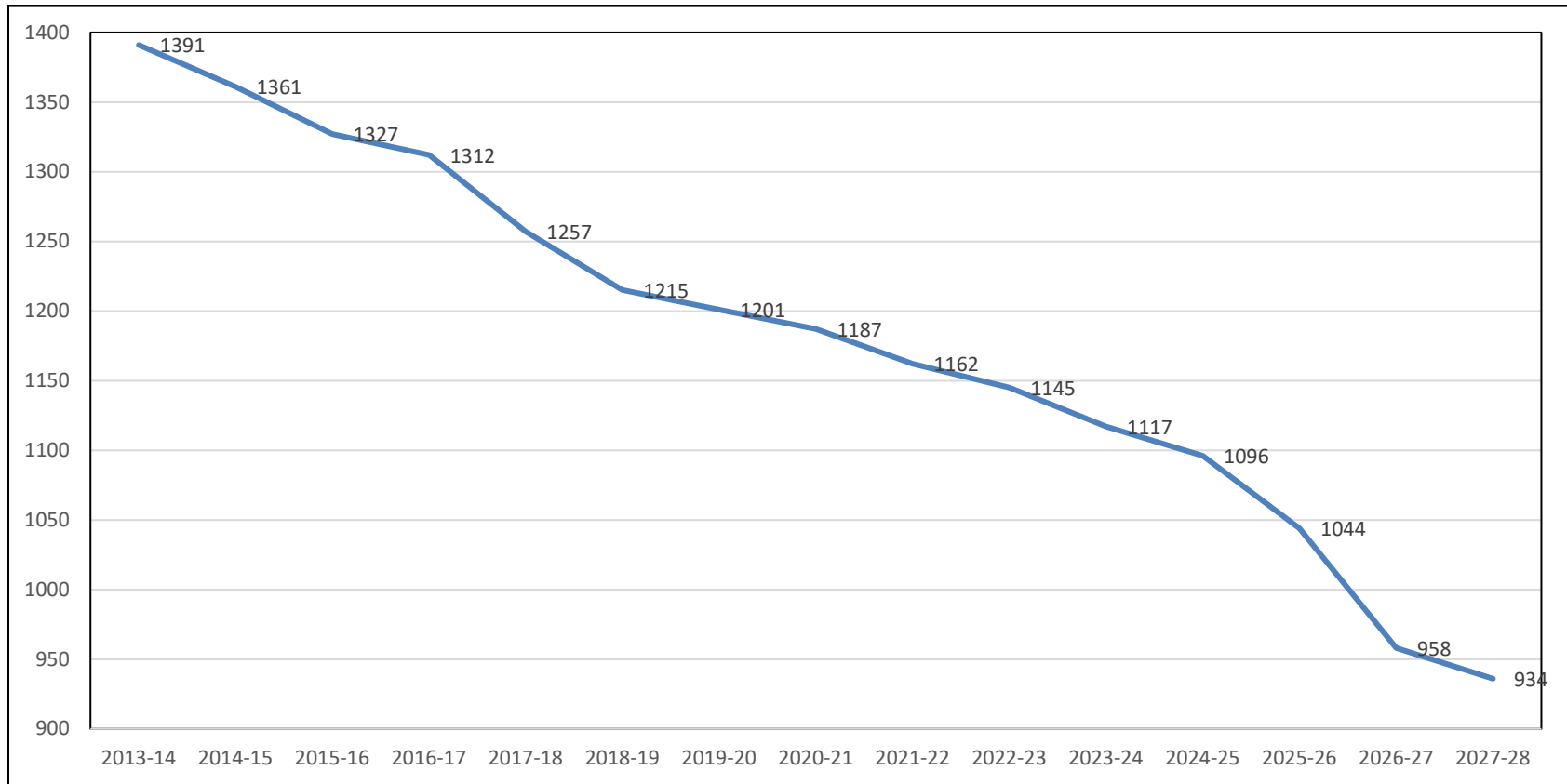
	Enrollment 2013-14	Enrollment 2022-23	# student change	% student change	Enrollment 2027-28	# student change	% student change
K-3	408	280	-128	-31.4%	289	+9	+3.2%
4-6	316	214	-102	-32.3	185	-29	-13.6%
7-8	207	192	-15	-7.3%	147	-45	-23.4%
9-12	461	424	-34	-8%	315	-109	-25.7%
Total	1392	1110	-282	-20.3%	936	-174	-15.7%

Tables and Charts

Grade	History										Projected				
	2013	2014	2015	#	2017	2018	2019	2020	2021	#	2023	2024	#	2026	2027
Kindergarten	116	96	87	80	79	79	85	79	67	65	77	71	83	73	74
1	81	126	91	91	90	70	80	83	75	64	62	73	68	79	69
2	85	93	123	94	88	85	67	79	84	71	63	61	71	67	78
3	106	93	99	126	93	92	83	67	86	80	72	64	62	73	68
4	121	103	95	94	129	84	88	79	61	81	74	67	59	57	68
5	86	119	110	89	94	128	79	90	82	61	83	75	68	60	58
6	101	94	119	103	90	90	130	86	97	72	60	81	74	67	59
7	104	102	98	128	105	97	91	129	90	95	73	60	82	75	68
8	106	105	101	103	126	102	101	99	135	97	101	77	64	87	79
9	114	114	113	106	109	128	103	114	106	134	100	104	80	66	90
10	114	107	107	106	105	100	114	92	106	99	125	93	97	74	62
11	132	111	103	105	103	96	95	108	91	91	91	115	86	90	69
12	129	129	115	100	101	106	99	96	107	100	95	96	121	90	94
Ungraded	1	5	5	-	-	1	-	-	-	-	0	0	0	0	0
Total K-12	1,396	1,397	1,366	1,325	1,312	1,258	1,215	1,201	1,187	1,110	1,075	1,038	1,016	958	934
Annual Change	-3.9%	0.1%	-2.2%	-3.0%	-1.0%	-4.1%	-3.4%	-1.2%	-1.2%	-6.5%	-3.1%	-3.4%	-2.2%	-5.7%	-2.5%

Chart 1: District Wide Enrollment History and Projection

Table 3: District Wide Enrollment History and Projection



Grade Levels

Table 4: K-3 Enrollment History and Projection

Year	K	1	2	3	Total
2014-15	96	126	93	93	408
2015-16	87	91	123	99	400
2016-17	80	91	94	126	391
2017-18	79	90	88	93	350
2018-19	79	70	85	92	326
2019-20	85	80	67	83	315
2020-21	79	83	79	67	308
2021-22	67	75	84	86	312
2022-23	65	64	71	80	280
2023-24	77	62	63	72	274
2024-25	71	73	61	64	269
2025-26	83	68	71	62	284
2026-27	73	79	67	73	292
2027-28	74	69	78	68	289

Chart 2: K-3 Enrollment History and Projection

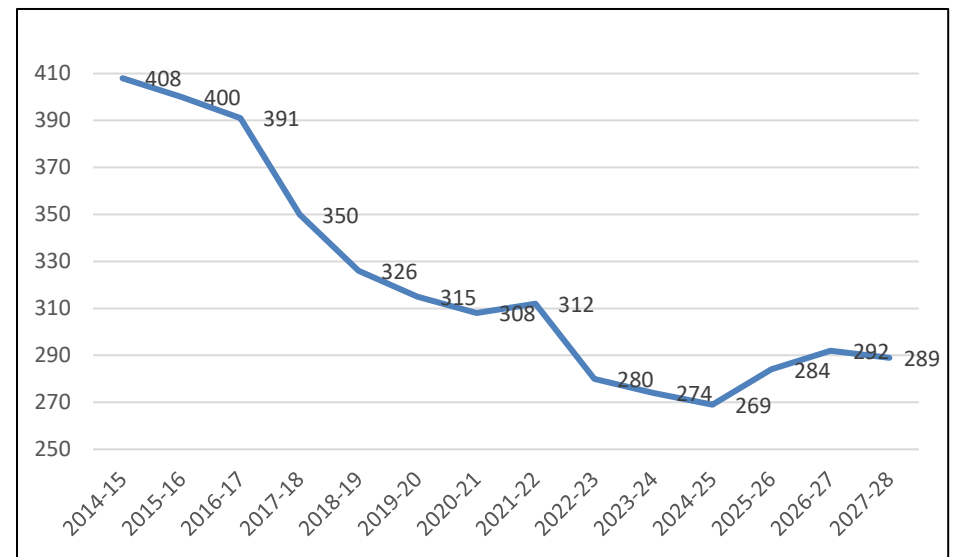


Table 6: 4 -6

Enrollment History and Projection

Year	4	5	6	Total
2014-15	103	119	94	316
2015-16	95	110	119	324
2016-17	94	89	103	286
2017-18	129	94	90	313
2018-19	84	128	90	302
2019-20	88	79	130	297
2020-21	79	90	86	255
2021-22	61	82	97	240
2022-23	81	61	72	214
2023-24	74	83	60	217
2024-25	67	75	81	223
2025-26	59	68	74	201
2026-27	57	60	67	184
2027-28	68	58	59	185

Chart 4: 4-6 Enrollment History and Projection

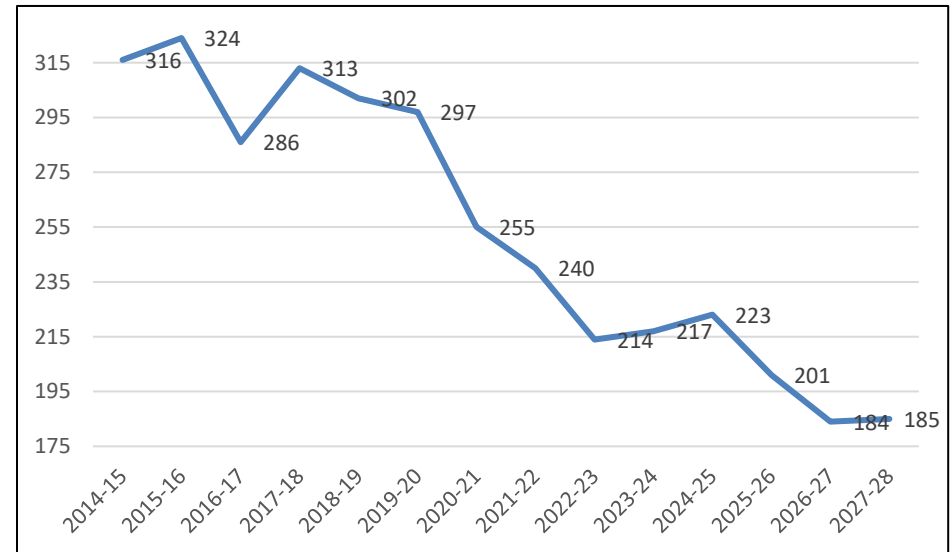


Table 7: 7-8 School Enrollment History and Projection

Year	7	8	Total
2014-15	102	105	207
2015-16	98	101	199
2016-17	128	103	231
2017-18	105	126	231
2018-19	97	102	199
2019-20	91	101	192
2020-21	129	99	228
2021-22	90	135	225
2022-23	95	97	192
2023-24	73	101	174
2024-25	60	77	137
2025-26	82	64	146
2026-27	75	87	162
2027-28	68	79	147

Chart 5: 7-8 School Enrollment History and Projection

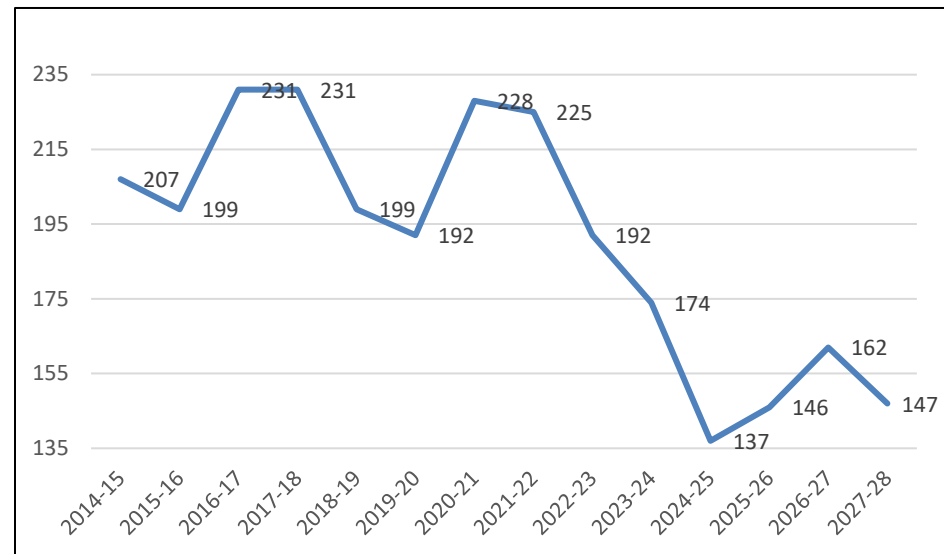
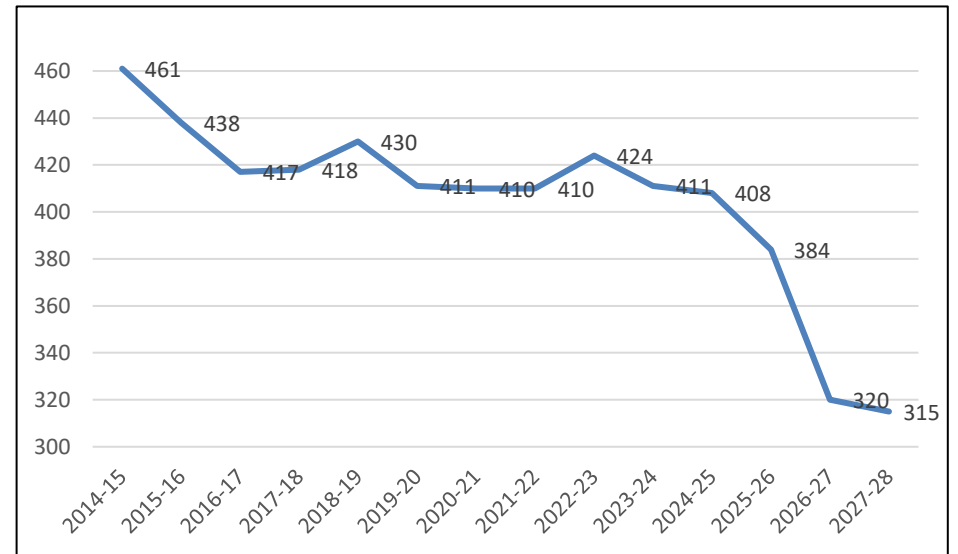


Table 8: 9-12 School Enrollment History and Projection

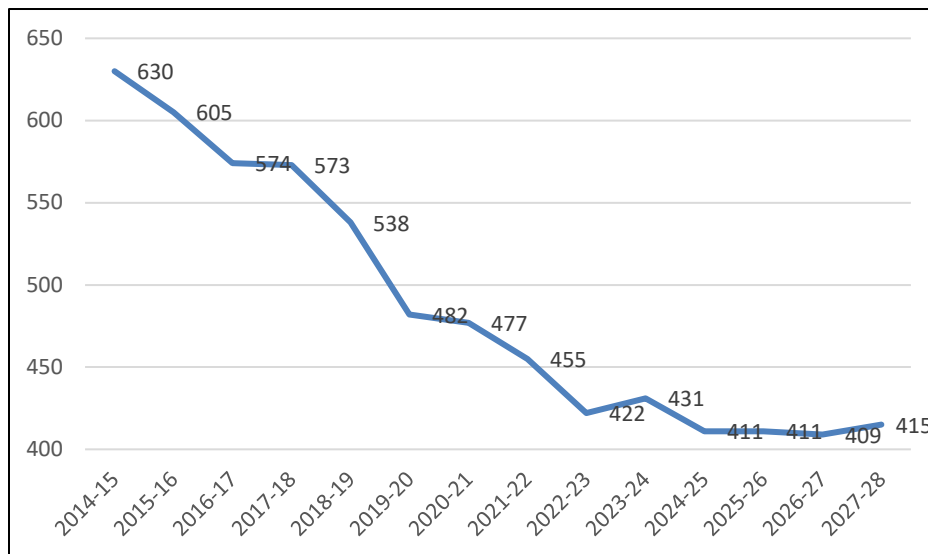
Year	9	10	11	12	Total
2014-15	114	107	111	129	461
2015-16	113	107	103	115	438
2016-17	106	106	105	100	417
2017-18	109	105	103	101	418
2018-19	128	100	96	106	430
2019-20	103	114	95	99	411
2020-21	114	92	108	96	410
2021-22	106	106	91	107	410
2022-23	134	99	91	100	424
2023-24	100	125	91	95	411
2024-25	104	93	115	96	408
2025-26	80	97	86	121	384
2026-27	66	74	90	90	320
2027-28	90	62	69	94	315

Chart 6: 9-12 School Enrollment History and Projection



School Enrollment History & Projection K-5

Year	K	1	2	3	4	5	Total
2014-15	96	126	93	93	103	119	630
2015-16	87	91	123	99	95	110	605
2016-17	80	91	94	126	94	89	574
2017-18	79	90	88	93	129	94	573
2018-19	79	70	85	92	84	128	538
2019-20	85	80	67	83	88	79	482
2020-21	79	83	79	67	79	90	477
2021-22	67	75	84	86	61	82	455
2022-23	65	64	71	80	81	61	422
2023-24	77	62	63	72	74	83	431
2024-25	71	73	61	64	67	75	411
2025-26	83	68	71	62	59	68	411
2026-27	73	79	67	73	57	60	409
2027-28	74	69	78	68	68	58	415



School Enrollment History & Projections 6-8

Year	6	7	8	Total
2014-15	94	102	105	301
2015-16	119	98	101	318
2016-17	103	128	103	334
2017-18	90	105	126	321
2018-19	90	97	102	289
2019-20	130	91	101	322
2020-21	86	129	99	314
2021-22	97	90	135	322
2022-23	72	95	97	264
2023-24	60	73	101	234
2024-25	81	60	77	218
2025-26	74	82	64	220
2026-27	67	75	87	229
2027-28	59	68	79	206

