



Onteora Central School District

**Enrollment Projections**  
*2018-19 through 2023-24*  
*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, Marletown and Lexington. As of the 2018-19 school year, as per the data provided by the Onteora Central School District, the total enrollment is 1,213.



## Methodology

This study used the cohort survival method for enrollment projections. The cohort survival method follows students as they move from grade to grade and calculates the percentage of growth and/or decline as they move through the system. This is tracked for six years and an average rate of growth is calculated to produce a five-year growth/decline ratio. The final year of actual enrollment is then multiplied by the average growth/decline ratio (also referred to as the migration ratio) to project the next five years of enrollment. Kindergarten projections for Onteora are based upon a five-year moving average.

Cohort projections do not include any growth based upon projected construction. In communities in which there is significant growth in new housing developments the potential impact of students to the schools is added into the cohort table.

## Data Sources

1. Enrollment data for the years 2013-14 through 2017-18 was taken from the New York State Department of Education (<https://datasupport.nysed.gov/>). For the current school year the data was provided by the Onteora Central School District.
2. General census data (housing permits, housing units, general census data) was taken from American Factfinder 2, a product of the United States Census Bureau.
3. Additional data on housing was requested from the local Planning and Zoning Boards.

## Executive Summary

1. The total enrollment in the Onteora Central School District decreased from 1,397 students in 2013-14 to 1,213 in 2018-19. This is a decrease of 184 students or approximately 13.2%. The enrollment is projected to decrease from the current 1,213 to 1,132 in 2023-24. This is a decrease of 81 students or approximately 6.7%.
2. The enrollment in grades K-3 decreased from 408 students in 2013-14 to 317 in 2017-18. This is a decline of 91 students or approximately 22.3%. The K-3 enrollment is to remain stable through 2022-23 (317 in 2023-24) showing no further decline.
3. The grade 4-6 enrollment declined from 316 students in 2013-14 to 298 students in 2018-19. This is decrease of 18 students or approximately 5.7%. The 4-6 enrollment is projected to decline to 247 in 2023-24 which is a decrease of 51 students or approximately 16.1%.
4. The middle school enrollment decreased from 207 in 2013-14 to 192 in 2018-19. This is a decrease of 15 students or approximately 7.25%. The middle school enrollment is projected to decrease from the current 298 to 247 in 2023-24. This is a decrease of 51 students or approximately 17.1%.
5. The High School enrollment declined from 461 students in 2013-14 to 409 students in 2018-19. This is a decline of 52 students or approximately 11.3%. The High School enrollment is projected to remain stable through 2022-23.

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

	2013-14	2014	Difference	Difference	2023-24	Difference	Difference
			Students	Percentage		Students	Percentage
District	1,391	1,213	<b>-178</b>	<b>-12.80%</b>	1,132	<b>-81</b>	<b>-6.68%</b>
K-3	407	314	<b>-93</b>	<b>-22.85%</b>	317	<b>3</b>	<b>0.96%</b>
4-6	316	298	<b>-18</b>	<b>-5.70%</b>	247	<b>-51</b>	<b>-17.11%</b>
7-8	207	192	<b>-15</b>	<b>-7.25%</b>	160	<b>-32</b>	<b>-16.67%</b>
9-12	461	409	<b>-52</b>	<b>-11.28%</b>	408	<b>-1</b>	<b>-0.24%</b>

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.

## **Housing**

The cohort survival method does not take into account the impact of new housing developments on the enrollment in the schools. As part of this study research was done into any potential new housing development which might impact the schools. One of the difficulties in this analysis is that the Onteora Central School comprises several different communities.

We did contact the Planning Boards for each of the Towns and Villages in order to determine if there were any large scale non-age restricted developments to be built which might impact the Onteora Schools. To the best of our knowledge no such developments have been approved by any of the Planning or Zoning Boards.

We also reviewed the number of residential building permits issued for any of the Towns which are located in the Onteora School District. In reviewing the Censtats database<sup>1</sup> we could only find filings for Woodstock and Olive in 2014. These were for eight (8) and ten (10) single family homes which we assume have been built and occupied. Based upon the information we have received and have researched we do not believe new housing units will have any significant impact on the enrollment in the Onteora Central School District.

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<sup>1</sup> Censtats provided data on monthly filings for new residential housing permits. This is a requirement of the United States Census. The data is archived and is current through the November, 2017.

**Table 2: Key Community Demographics<sup>2</sup>**

<b>Town of Shandaken</b>				
	2010	2016	Diff	Percent
Population	3,085	2,964	<b>-121</b>	<b>-3.92%</b>
Housing Units	2,776	2,836	60	2.16%
Median Age	50.20	58.20	8.00	15.94%
<b>Town of Woodstock</b>				
	2010	2016	Diff	Percent
Population	5,884	5,886	2	0.03%
Housing Units	4,157	4,058	<b>-99</b>	<b>-2.38%</b>
Median Age	53.80	56.90	3.10	5.76%
<b>Town of Olive</b>				
	2010	2016	Diff	Percent
Population	4,419	4,352	<b>-67</b>	<b>-1.52%</b>
Housing Units	2,498	2,691	193	7.73%
Median Age	48.90	48.80	-0.10	-0.20%
<b>Town of Hurley</b>				
	2010	2016	Diff	Percent
Population	6,314	6,194	<b>-120</b>	<b>-1.90%</b>
Housing Units	3,069	3,155	86	2.80%
Median Age	48.60	50.20	1.60	3.29%

Table 2 shows changes in selected community characteristics for the major towns that are part of the Onteora Central School District (Woodstock had stability between 2010 and 2016). Two factors in the community demographics are consistent with the decline in the student enrollment in the schools. The fact that there has been only a moderate decline in enrollment is indicative of community members who choose to remain in their homes even after they no longer have children attending the Onteora Schools. The second is that all of the communities show an aging population. The higher the median age resulting in fewer births which may have an impact on school enrollment. These data points are consistent with a decline in student enrollment.<sup>3</sup>

<sup>2</sup> Source: American Factfinder 2, United States Census Bureau. There are no updates for 2017 or 2018 available at this time.

<sup>3</sup> Data from Marbletown and Lexington are not included due to the small percentage of those towns physically within the Onteora School District.

# **Tables and Charts**

**Table 3: District Wide Enrollment History and Projection**

Table 3 shows the District-wide enrollment history from 2013-14 through 2017-18. The enrollment data is based upon the B.E.D.S. report and District provided data for each of the years.

Onteora Enrollment History and Projection																											
Year	Births		K	1	2	3	4	5	6	7	8	9	10	11	12	K-3	4-6	7-8	9-12	Sub	Total						
2013-14	96	1.31	96	126	93	93	103	119	94	102	105	114	107	111	129	408	316	207	461	1392	1392						
			0.95	0.98	1.06	1.02	1.07	1.00	1.04	0.99	1.08	0.94	0.96	1.04													
2014-15	94	0.97	87	91	123	99	95	110	119	98	101	113	107	103	115	400	324	199	438	1361	1361						
			1.05	1.03	1.04	0.95	0.94	0.94	1.08	1.05	1.05	0.94	0.98	0.97													
2015-16	84	1.08	80	91	94	128	94	89	103	128	103	106	106	105	100	393	286	231	417	1327	1327						
			1.13	0.97	0.99	1.01	1.00	1.01	1.02	0.98	1.06	0.99	0.97	0.96													
2016-17	78	1.15	79	90	88	93	129	94	90	105	126	109	105	103	101	350	313	231	418	1312	1312						
			0.90	0.94	1.05	0.94	1.00	0.99	1.13	1.01	1.02	0.93	0.92	1.02													
2017-18	75	0.95	79	71	85	92	87	129	93	102	106	129	101	97	105	327	309	208	432	1276	1276						
			1.00	0.94	0.98	0.96	0.92	1.01	0.99	0.98	0.96	0.88	0.94	1.02													
2018-19	85	0.93	85	79	67	83	88	80	130	92	100	102	113	95	99	314	298	192	409	1213	1213						
Av		1.02		1.01		0.98		1.04		0.98		1.00		0.99		1.07		1.01		1.05		0.95		0.96		1.00	
Year			K	1	2	3	4	5	6	7	8	9	10	11	12	K-3	4-6	7-8	9-12	Sub	Total						
2019-20	83		85	86	77	70	81	88	79	139	93	105	97	108	95	318	248	232	405	1203	1203						
2020-21	75		77	86	84	80	69	81	87	85	140	98	100	93	108	327	237	225	399	1188	1188						
2021-22	73		74	78	84	87	78	69	80	93	86	147	93	96	93	323	227	179	429	1158	1158						
2022-23	78		80	75	76	87	85	78	68	86	94	90	140	89	96	318	231	180	415	1144	1144						
2023-24	81		83	81	74	79	85	85	77	73	87	99	86	134	89	317	247	160	408	1132	1132						

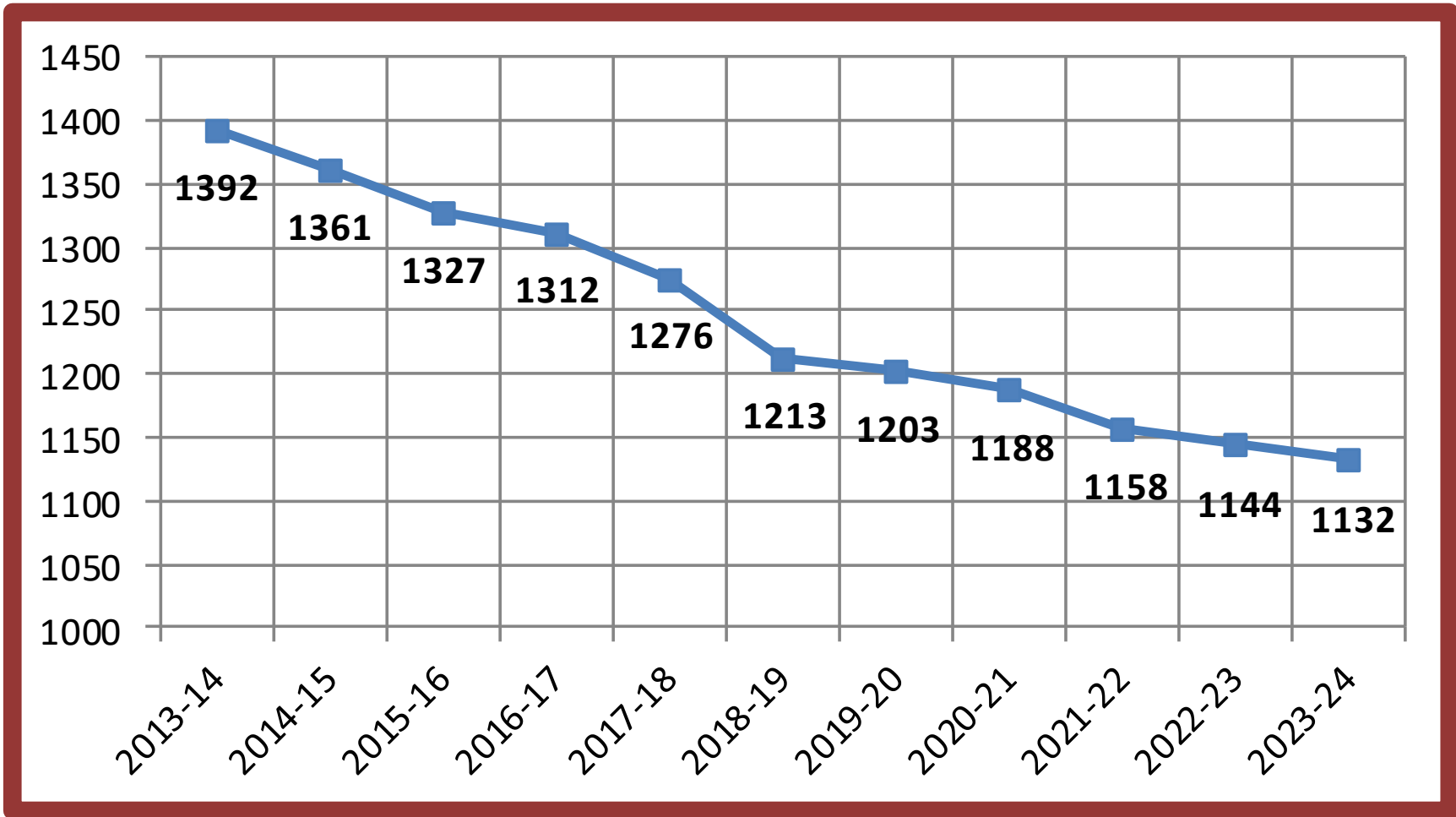
**Table 3a: District Wide Enrollment History and Projection**

<b>Onteora Central School District Enrollment History and Projection</b>											
Grade	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
K-3	96	87	80	79	79	85	85	77	74	80	83
1	126	91	91	90	71	79	86	86	78	75	81
2	93	123	94	88	85	67	77	84	84	76	74
3	93	99	128	93	92	83	70	80	87	87	79
4	103	95	94	129	87	88	81	69	78	85	85
5	119	110	89	94	129	80	88	81	69	78	85
6	94	119	103	90	93	130	79	87	80	68	77
7	102	98	128	105	102	92	139	84	93	86	73
8	105	101	103	126	106	100	93	140	86	94	87
9	114	113	106	109	135	102	105	98	147	90	99
10	107	107	106	105	108	113	97	100	93	140	86
11	111	103	105	103	101	95	108	93	96	89	134
12	129	115	100	101	114	99	95	108	93	96	89
K-3	408	400	393	350	327	314	318	327	323	318	317
4-6	316	324	286	313	309	298	248	237	227	231	247
7-8	207	199	231	231	208	192	232	224	179	180	160
9-12	461	438	417	418	432	409	405	399	429	415	408
Sub-Total	1,392	1,361	1,327	1,312	1,276	1,213	1,203	1,187	1,158	1,144	1,132
Total	1397	1366	1331	1312	1,276	1,213	1,203	1,187	1,158	1,144	1,132

Table 3a provides the same information as in Table 3 in a different format.



**Chart 1: District Wide Enrollment History and Projection**

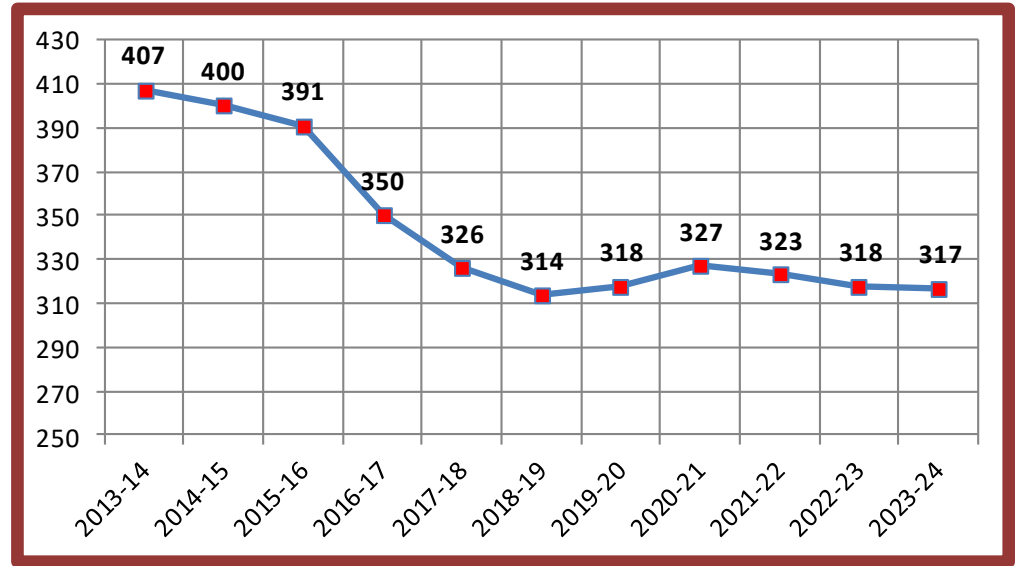


# **Schools**

**Table 4: K-3 Enrollment History and Projection**

K-3 Schools						
Year	Births	K	1	2	3	Total
2013-14	96	96	126	93	92	407
2014-15	94	87	91	123	99	400
2015-16	84	80	91	94	126	391
2016-17	78	79	90	88	93	350
2017-18	75	79	70	85	92	326
2018-19	85	85	79	67	83	314
Av						
Year		K	1	2	3	Total
2019-20	83	85	86	77	70	318
2020-21	75	77	86	84	80	327
2021-22	73	74	78	84	87	323
2022-23	78	80	75	76	87	318
2023-24	81	83	81	74	79	317

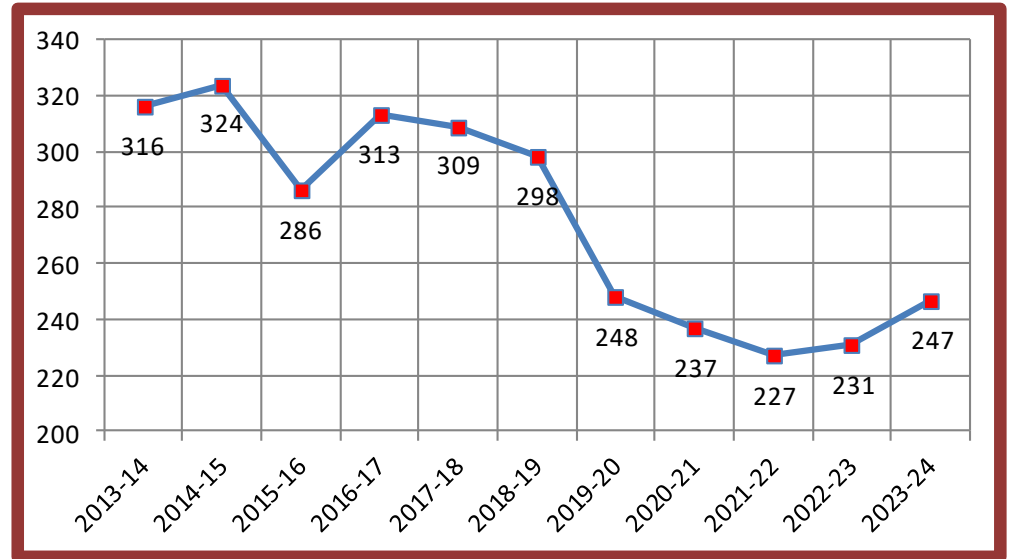
**Chart 2: K-3 Enrollment History and Projection**



**Table 6: 4 -6 Enrollment History and Projection**

	4	5	6	Total
2013-14	103	119	94	316
2014-15	95	110	119	324
2015-16	94	89	103	286
2016-17	129	94	90	313
2017-18	87	129	93	309
2018-19	88	80	130	298
	4	5	6	Total
2019-20	81	88	79	248
2020-21	69	81	87	237
2021-22	78	69	80	227
2022-23	85	78	68	231
2023-24	85	85	77	247

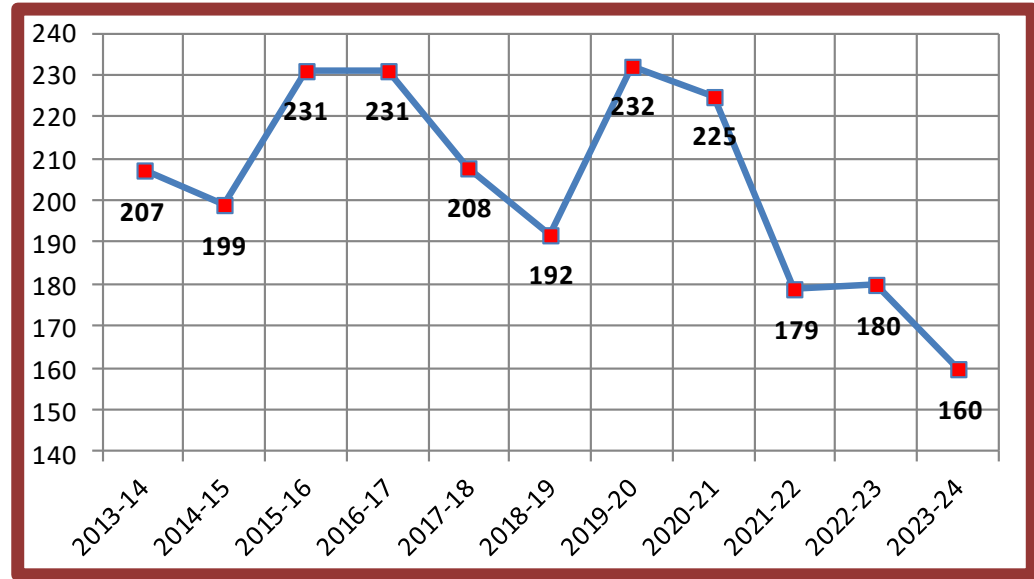
**Chart 4: 4-6 Enrollment History and Projection**



**Table 7: 7-8 School Enrollment History and Projection**

	7	8	Total
2013-14	102	105	207
2014-15	98	101	199
2015-16	128	103	231
2016-17	105	126	231
2017-18	102	106	208
2018-19	92	100	192
	7	8	Total
2019-20	139	93	232
2020-21	85	140	225
2021-22	93	86	179
2022-23	86	94	180
2023-24	73	87	160

**Chart 5: 7-8 School Enrollment History and Projection**



**Table 8: 9-12 School Enrollment History and Projection**

	9	10	11	12	Total
2013-14	114	107	111	129	461
2014-15	113	107	103	115	438
2015-16	106	106	105	100	417
2016-17	109	105	103	101	418
2017-18	129	101	97	105	432
2018-19	102	113	95	99	409
	9	10	11	12	Total
2019-20	105	97	108	95	405
2020-21	98	100	93	108	399
2021-22	147	93	96	93	429
2022-23	90	140	89	96	415
2023-24	99	86	134	89	408

**Chart 6: 9-12 School Enrollment History and Projection**

