



Onteora Central School District

# **Enrollment Projections**

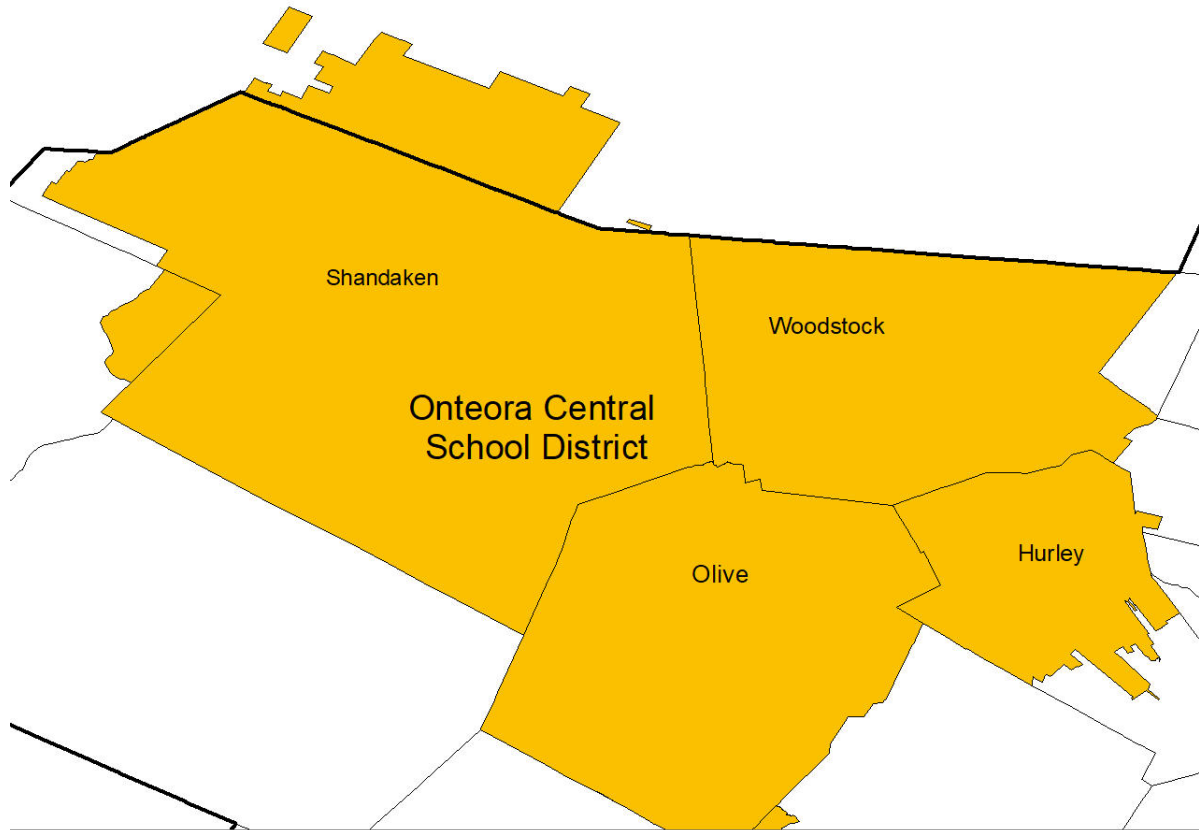
*2018-19 to 2022-23*

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March, 2018

## 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 and Hurley. As of the 2017-18 school year (as per B.E.D.S. data)<sup>1</sup> the total enrollment in the Onteora Central School District was 1,276<sup>2</sup>.



## 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.

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<sup>1</sup> The Basic Educational Data Services (B.E.D.S.) report is the official school enrollment for the school year on or about October first of each year.

<sup>2</sup> Does not include pre-Kindergarten students which are not serviced in-District.

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 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 1,396 students in 2012-13 to 1,276 in 2017-18. This is a decrease of 120 students or approximately 8.6%. The enrollment is projected to decrease from the current 1,276 to 1,172 in 2022-23. This is a decrease of 104 students or approximately 8.15%.
2. The enrollment in grades K-3 decreased from 388 students in 2012-13 to 327 in 2017-18. This is a decline of 61 students or approximately 15.7%. The K-3 enrollment is to remain stable through 2022-23.
3. The grade 4-6 enrollment was stable between 2012-13 and 2017-18. The 4-6 enrollment is projected to decrease from the current 309 students to 232 in 2022-23. This is a decline of 77 students or approximately 24.9%.
4. The middle school enrollment remained stable between 2012-13 and 2017-18. The middle school enrollment is projected to decrease from the current 208 to 186 in 2022-23. This is a projected decrease of 22 students or approximately 10.1%.
5. The High School enrollment declined from 489 students in 2012-13 to 432 students in 2017-18. This is a decline of 57 students or approximately 11.7%. The High School enrollment is projected to remain stable through 2022-23.

**Table 1: Summary of Enrollment History and Projection K-12<sup>3</sup>**

	2012-13	2017-18	Difference	Percent	2022-23	Diff	Percent
				Difference			
District	1,396	1,276	<b>-120</b>	-8.60%	1,172	<b>-104</b>	<b>-8.15%</b>
K-3	388	327	<b>-61</b>	-15.72%	326	<b>-1</b>	<b>-0.31%</b>
4-6	308	309	1	0.32%	232	<b>-77</b>	<b>-24.92%</b>
7-8	210	208	<b>-2</b>	-0.95%	186	<b>-22</b>	<b>-10.58%</b>
High School	489	432	<b>-57</b>	-11.66%	428	<b>-4</b>	<b>-0.93%</b>

Table 1 shows the changes in enrollment by for the District and each of the schools in five-year increments. The table shows that with the exception Phoenicia Elementary School the District will continue to show an overall decrease in enrollment during the next five years. Ungraded students are not included in this table. Totals in columns 2 and 3 are off by one student due to a rounding issue.

## 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>4</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.

<sup>3</sup> In the 2012-13 columns there may be a minor discrepancy of 3students between the totals for the schools and the total for the District. This is due to rounding.

<sup>4</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>5</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 the community after their children have left the District. The second is that all of the communities show an aging population. The higher the median age the lower the birth rate in the community. These data points are consistent with a decline in student enrollment.

<sup>5</sup> Source: American Factfinder 2, United States Census Bureau.

# Tables and Charts

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

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	UG	Total			
2012-13	113	0.72	116	81	85	106	121	86	101	104	106	114	114	132	129	388	308	210	489	1395	1	1396			
				1.09	1.15	1.09	0.97	0.98	1.09	1.01	1.01	1.08	0.94	0.97	0.98										
2013-14	96	1.31	96	126	93	93	103	119	94	102	105	114	107	111	129	408	316	207	461	1392	5	1397			
				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	5	1366			
				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	4	1331			
				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			
Av		1.09		1.00	0.98	1.03	0.98	1.00	0.98	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	UG	Total			
2018-19	85		84	79	70	88	90	87	127	99	103	112	122	97	97	321	304	202	428	1255		1255			
2019-20	83		82	85	78	72	86	90	86	136	100	108	106	117	97	316	262	236	428	1242		1242			
2020-21	81		81	82	83	80	70	86	89	92	137	105	103	102	117	326	245	228	427	1227		1227			
2021-22	80		81	81	81	86	79	71	85	95	92	144	100	99	101	328	234	187	444	1193		1193			
2022-23	81		81	81	80	83	84	79	69	91	96	97	136	96	98	326	232	186	428	1172		1172			

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 for each of the years.

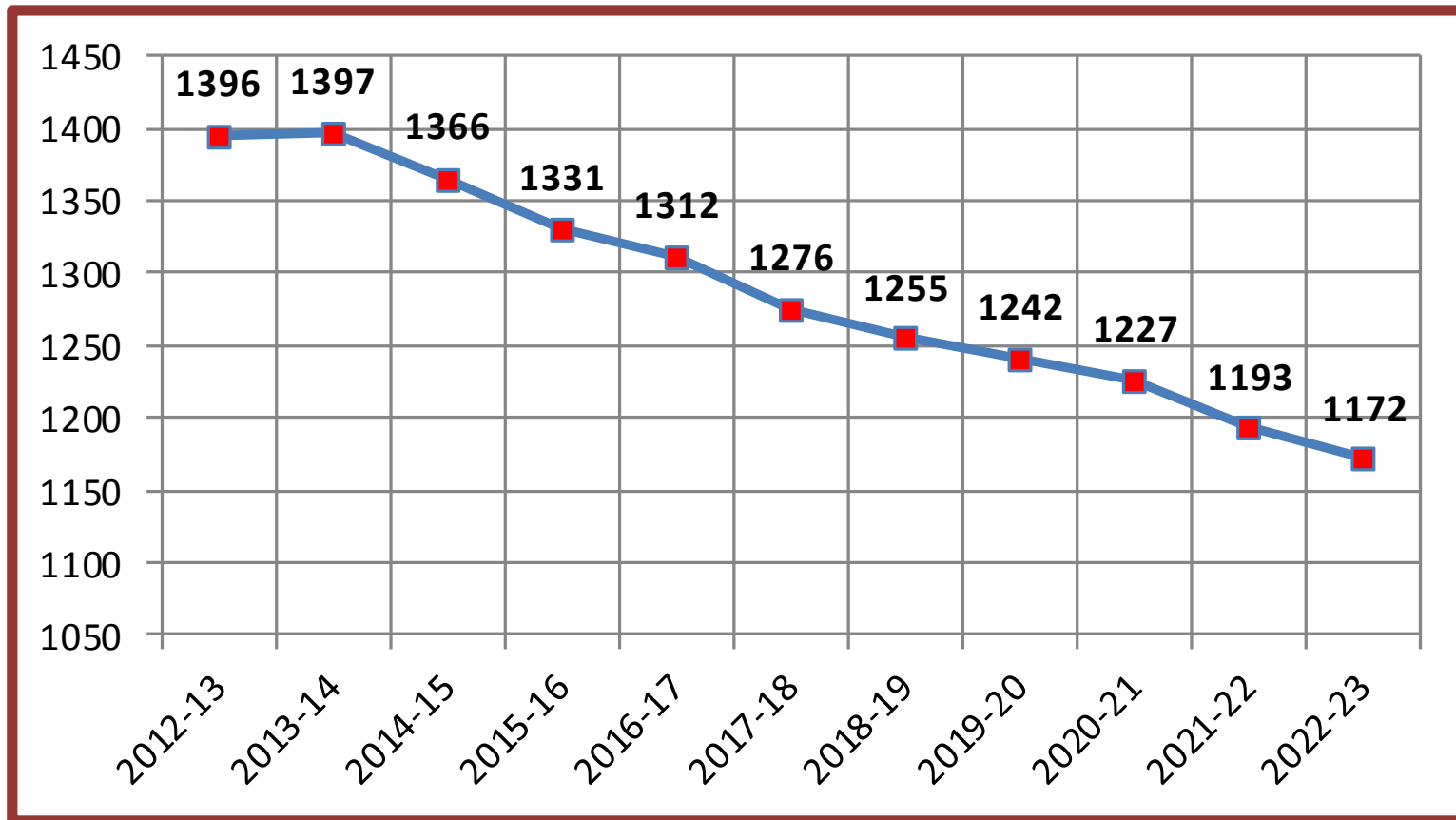
**Table 3a: District Wide Enrollment History and Projection**

<b>Onteora Central School District Enrollment History and Projection</b>											
Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	116	96	87	80	79	79	84	82	81	80	81
1	81	126	91	91	90	71	79	85	82	81	81
2	85	93	123	94	88	85	70	78	83	81	80
3	106	93	99	128	93	92	88	72	80	86	83
4	121	103	95	94	129	87	90	86	70	79	84
5	86	119	110	89	94	129	87	90	86	71	79
6	101	94	119	103	90	93	127	86	89	85	69
7	104	102	98	128	105	102	99	136	92	95	91
8	106	105	101	103	126	106	103	100	137	92	96
9	114	114	113	106	109	135	112	108	105	144	97
10	114	107	107	106	105	108	122	106	103	100	136
11	132	111	103	105	103	101	97	117	102	99	96
12	129	129	115	100	101	114	97	97	117	101	98
K-3	388	408	400	393	350	327	321	317	326	328	325
4-6	308	316	324	286	313	309	304	262	245	234	232
7-8	210	207	199	231	231	208	202	236	228	187	186
9-12	489	461	438	417	418	432	428	428	427	444	428
Sub-Total	1,395	1,392	1,361	1,327	1,312	1,276	1,255	1,242	1,227	1,193	1,172
UG	1	5	5	4							
Total	1396	1397	1366	1331	1312	1,276	1,255	1,242	1,227	1193	1172

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



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

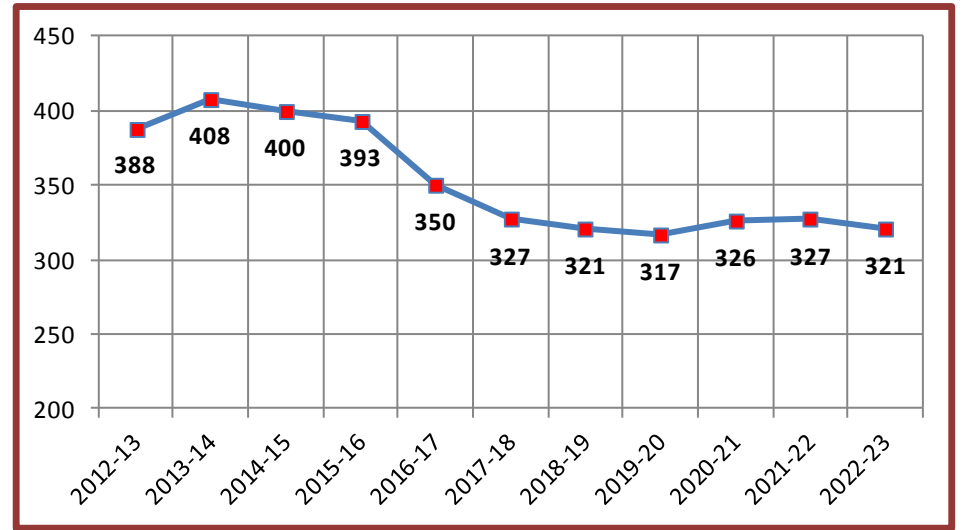


# **Schools**

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

K-3 Schools					
Year	K	1	2	3	Total
2012-13	116	81	85	106	388
2013-14	96	126	93	93	408
2014-15	87	91	123	99	400
2015-16	80	91	94	128	393
2016-17	79	90	88	93	350
2017-18	79	71	85	92	327
2018-19	84	79	70	88	321
2019-20	82	85	78	72	317
2020-21	81	82	83	80	326
2021-22	81	79	81	86	327
2022-23	79	81	78	83	321

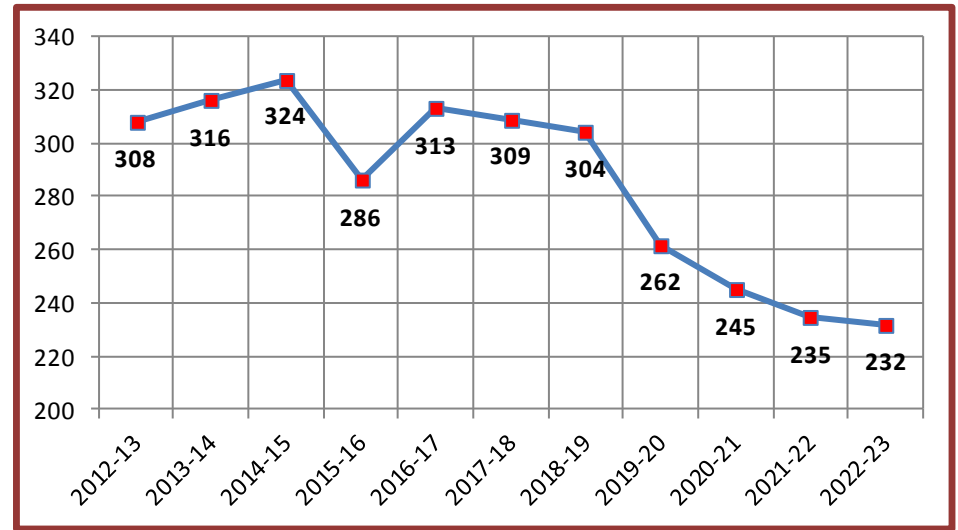
**Chart 2: K-3 Enrollment History and Projection**



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

4- 6 School				
Year	4	5	6	Total
2012-13	121	86	101	308
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	90	87	127	304
2019-20	86	90	86	262
2020-21	70	86	89	245
2021-22	79	71	85	235
2022-23	84	79	69	232

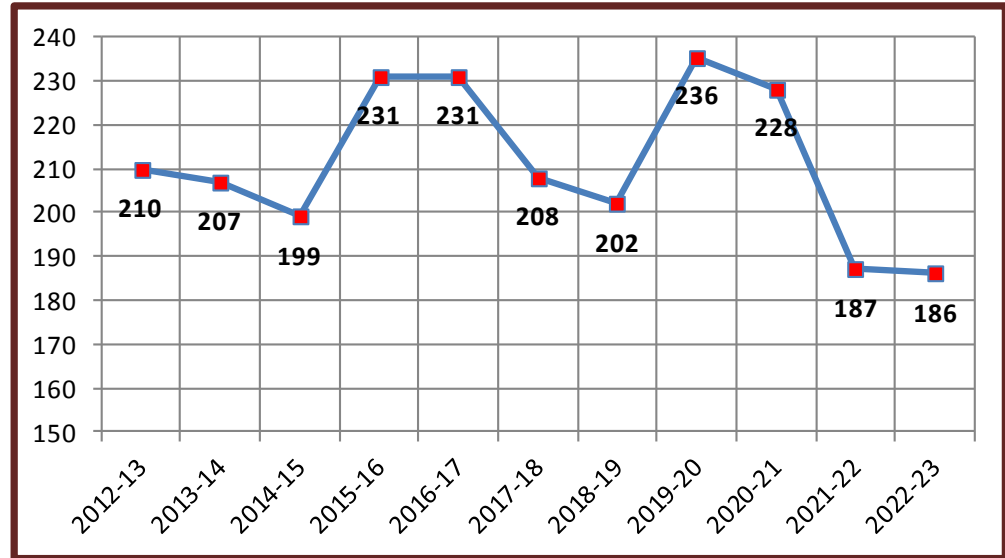
**Chart 4: 4-6 Enrollment History and Projection**



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

Year	7	8	Total
2012-13	104	106	210
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	99	103	202
2019-20	136	100	236
2020-21	92	137	228
2021-22	95	92	187
2022-23	91	96	186

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



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

Year	9	10	11	12	Total
2012-13	114	114	132	129	489
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	112	122	97	97	428
2019-20	108	106	117	97	428
2020-21	105	103	102	117	427
2021-22	144	100	99	101	444
2022-23	97	136	96	98	428

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

