

FutureThink

Formerly DeJONG-HEALY

FINAL REPORT



Wellesley Public Schools
Enrollment Projection Update
October 25, 2016

INTRODUCTION

FutureThink was contracted to develop an update to the enrollment projections for the Wellesley Public Schools using the official October 1 enrollment.

This report contains the most likely ten-year enrollment projections, which were developed for the Wellesley Public Schools by analyzing the following data:

- ▶ Live birth data
- ▶ Historical enrollment
- ▶ Non-public school enrollment
- ▶ Community demographics
- ▶ Housing information

The projections presented in this report are meant to serve as a planning tool for the future and represent the most likely direction of the District.

HISTORICAL ENROLLMENT

Over the past ten years, student enrollment in the Wellesley Public Schools has increased by 239 students or approximately 5 percent. However, enrollment decreased from last year to this year. Total enrollment for the 2016-17 school year is 4,917 students. The following tables illustrate the District’s enrollment history from 2007-08 through 2016-17.

**Wellesley Public Schools
Historical Enrollment**

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
K	393	394	352	354	353	352	363	337	324	345
1	409	422	413	359	381	365	386	394	365	343
2	428	415	414	419	362	389	384	399	410	375
3	395	446	407	411	438	365	399	393	406	414
4	399	399	439	406	413	433	376	408	394	393
5	382	405	396	427	408	405	433	374	408	386
6	380	368	390	397	410	381	390	423	363	393
7	319	377	360	380	382	411	371	383	416	351
8	357	315	383	361	384	373	403	372	374	403
9	303	350	296	369	346	383	360	413	384	375
10	303	292	350	295	374	342	381	358	398	384
11	329	297	284	342	297	360	336	383	354	400
12	281	319	294	289	338	298	358	332	379	355
K - 12 Total	4,678	4,799	4,778	4,809	4,886	4,857	4,940	4,969	4,975	4,917

Source: Wellesley Public Schools

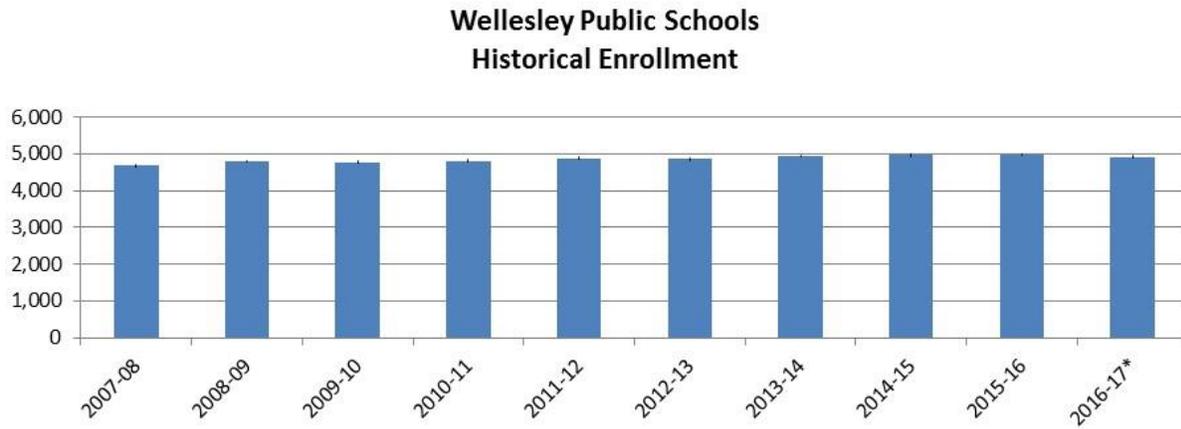
**Wellesley Public Schools
Historical Enrollment by Grade Group**

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
K - 5	2,406	2,481	2,421	2,376	2,355	2,309	2,341	2,305	2,307	2,256
6 - 8	1,056	1,060	1,133	1,138	1,176	1,165	1,164	1,178	1,153	1,147
9 - 12	1,216	1,258	1,224	1,295	1,355	1,383	1,435	1,486	1,515	1,514
K - 12 Total	4,678	4,799	4,778	4,809	4,886	4,857	4,940	4,969	4,975	4,917

Source: Wellesley Public Schools

October 1, 2016 data

The following graph illustrates the District’s K – 12 enrollment history from 2007-08 through 2016-17.



LIVE BIRTH DATA

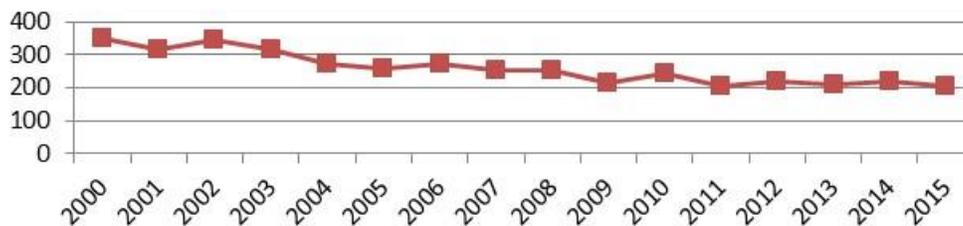
The following table and graph include the live birth counts for Wellesley residents from 2000 through 2015. The counts range from a low of 204 in 2011 to a high of 351 in 2000. Lower birth counts may result in lower Kindergarten classes in the future. The children born in 2011-2015 represent future Kindergarteners in the 2017-18 through 2020-21 school years.

**Wellesley Public Schools
Birth Counts for Wellesley Residents
2000-2015**

Year	Total
2000	351
2001	316
2002	346
2003	318
2004	274
2005	260
2006	273
2007	252
2008	252
2009	215
2010	241
2011	204
2012	220
2013	209
2014	220
2015	206

Source: MA Dept. of Public Health; Town Census

**Wellesley Public Schools
Birth Counts for Wellesley Residents**



SURVIVAL RATIOS

The chart below demonstrates the changes in enrollment as students move through the system. Percentages greater than 100 indicate that there are more students than there were in the previous grade the previous year. In other words, there was growth and new students entered the system. Percentages less than 100 indicate that there was decline with students leaving the system.

- ▶ Birth to Kindergarten: This ratio indicates the number of children born in the area who attend kindergarten in the District 5 years later. Percentages less than 100% result from movement out of the District, attendance at a non-public or charter school, or residence in another district within the same area. Percentages greater than 100% result from movement into the District after birth.

The following table illustrates the survival ratios for the Wellesley Public Schools. On average, the survival ratios for grades K-4 exceed 100 percent. For grades 5-12, the average is approximately 99 percent.

With a few exceptions (birth to K, K to 1, and 8 to 9), the survival ratios are extremely stable with a deviation of less than 2 percent. The birth to K ratio has had the most volatility over the past 10 years, but has averaged approximately 151% over the last 4 years.

The K to 1 ratio declined from an average of 108.8% during 2012-2015 to 105.9% this year. The 8 to 9 ratio has increased the past three years to over 100%, which could mean more students are entering the public school system after attending a non-public school for grades K-8.

from	to	birth -> K	K->1	1->2	2->3	3->4	4->5	5->6	6->7	7->8	8->9	9->10	10->11	11->12
2007	2008	123.9%	107.4%	101.5%	104.2%	101.0%	101.5%	96.3%	99.2%	98.7%	98.0%	96.4%	98.0%	97.0%
2008	2009	128.5%	104.8%	98.1%	98.1%	98.4%	99.2%	96.3%	97.8%	101.6%	94.0%	100.0%	97.3%	99.0%
2009	2010	136.2%	102.0%	101.5%	99.3%	99.8%	97.3%	100.3%	97.4%	100.3%	96.3%	99.7%	97.7%	101.8%
2010	2011	129.3%	107.6%	100.8%	104.5%	100.5%	100.5%	96.0%	96.2%	101.1%	95.8%	101.4%	100.7%	98.8%
2011	2012	139.7%	103.4%	102.1%	100.8%	98.9%	98.1%	93.4%	100.2%	97.6%	99.7%	98.8%	96.3%	100.3%
2012	2013	144.0%	109.7%	105.2%	102.6%	103.0%	100.0%	96.3%	97.4%	98.1%	96.5%	99.5%	98.2%	99.4%
2013	2014	156.7%	108.5%	103.4%	102.3%	102.3%	99.5%	97.7%	98.2%	100.3%	102.5%	99.4%	100.5%	98.8%
2014	2015	134.4%	108.3%	104.1%	101.8%	100.3%	100.0%	97.1%	98.3%	97.7%	103.2%	96.4%	98.9%	99.0%
2015	2016	169.1%	105.9%	102.7%	101.0%	96.8%	98.0%	96.3%	96.7%	96.9%	100.3%	100.0%	100.5%	100.3%
	average	140.21%	106.399%	102.15%	101.6%	100.10%	99.3%	96.6%	98.0%	99.1%	98.492%	99.058%	98.676%	99.374%
	standard deviation	13.730%	2.416%	1.940%	1.993%	1.810%	1.279%	1.692%	1.166%	1.604%	2.967%	1.572%	1.498%	1.257%

ENROLLMENT PROJECTION

An update of the most likely projections has been developed to include the October 21, 2016 enrollment. The most likely projections indicate a decrease of 308 students (or approximately 6%) from the 2016-17 to the 2026-27 school year. The following tables and graph illustrate projected enrollments by grade and by grade group through the 2026-27 school year.

**Wellesley Public Schools
Projected Enrollment**

Grade	2016-17 Actual	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	345	336	318	336	315	325	325	325	325	325	325
1	343	373	362	344	362	339	350	350	350	350	350
2	375	356	385	376	356	376	351	361	361	361	361
3	414	383	362	392	383	364	383	358	370	370	370
4	393	413	382	364	392	384	363	384	359	369	369
5	386	390	409	379	363	390	380	362	380	356	367
6	393	374	379	399	367	347	378	369	351	369	346
7	351	385	366	371	390	360	340	369	361	343	361
8	403	345	378	360	365	384	353	334	363	355	337
9	375	411	352	386	367	372	391	361	341	370	362
10	384	373	409	350	384	366	371	390	359	339	369
11	400	382	372	407	349	382	364	369	388	357	337
12	355	398	380	369	405	347	380	362	367	385	355
K - 12 Total	4,917	4,919	4,854	4,833	4,798	4,736	4,729	4,694	4,675	4,649	4,609

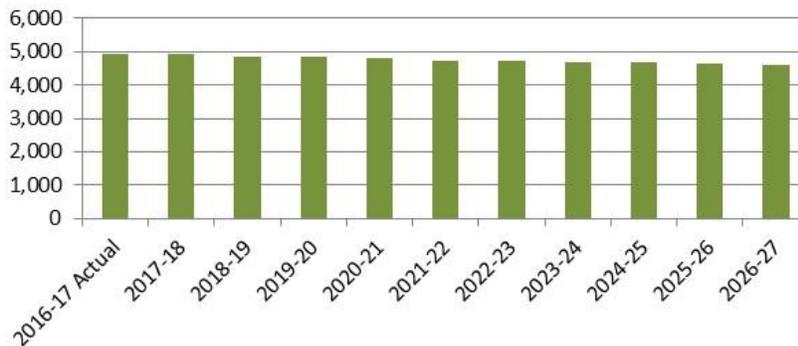
Source: FutureThink

**Wellesley Public Schools
Projected Enrollment by Grade Group**

Grade	2016-17 Actual	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K - 5	2,256	2,251	2,218	2,191	2,171	2,178	2,152	2,140	2,145	2,131	2,142
6 - 8	1,147	1,104	1,123	1,130	1,122	1,091	1,071	1,072	1,075	1,067	1,044
9 - 12	1,514	1,564	1,513	1,512	1,505	1,467	1,506	1,482	1,455	1,451	1,423
K - 12 Total	4,917	4,919	4,854	4,833	4,798	4,736	4,729	4,694	4,675	4,649	4,609

Source: FutureThink

**Wellesley Public Schools
Projected Enrollment - Most Likely**



Historical & Projected Enrollment by School

The following charts illustrate the historical enrollment and most likely projections of each elementary school.

**Bates Elementary School
Historical Enrollment**

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
K	67	68	62	59	62	56	62	49	61	54
1	80	70	73	58	59	66	64	69	57	61
2	62	79	68	78	59	62	68	69	69	58
3	50	66	74	68	80	60	64	65	71	71
4	62	50	68	75	64	79	64	68	65	68
5	59	60	47	68	72	64	73	64	68	67
K - 5 Total	380	393	392	406	396	387	395	384	391	379

Source: Wellesley Public Schools

**Bates Elementary School
Projected Enrollment - Most Likely**

Grade	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	57	54	57	53	55	55	55	55	55	55
1	59	62	59	62	58	60	60	60	60	60
2	62	60	63	60	63	59	61	61	61	61
3	60	64	62	65	62	65	61	63	63	63
4	71	60	65	62	65	62	65	61	63	63
5	69	72	61	65	63	66	63	66	62	64
K - 5 Total	378	372	367	367	366	367	365	366	364	366

Source: FutureThink

**Fiske Elementary School
Historical Enrollment**

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
K	56	65	53	61	56	57	42	53	41	55
1	66	61	67	52	59	52	64	53	57	44
2	63	66	66	68	51	57	56	63	57	57
3	52	69	60	62	68	49	58	60	63	61
4	62	56	72	60	62	63	51	59	63	57
5	54	65	57	70	61	57	63	55	61	61
K - 5 Total	353	382	375	373	357	335	334	343	342	335

Source: Wellesley Public Schools

Fiske Elementary School
Projected Enrollment - Most Likely

Grade	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	48	45	48	44	46	46	46	46	46	46
1	59	51	48	51	48	49	49	49	49	49
2	45	61	53	50	53	49	51	51	51	51
3	59	47	64	55	52	55	51	53	53	53
4	61	59	47	64	55	52	55	52	53	53
5	57	62	60	48	64	55	53	55	52	53
K - 5 Total	329	325	320	312	318	306	305	306	304	305

Source: FutureThink

Hardy Elementary School
Historical Enrollment

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
K	56	48	43	47	47	57	45	40	49	39
1	42	60	49	48	53	53	52	54	41	53
2	50	48	58	51	48	48	54	55	52	44
3	44	50	46	59	57	49	50	60	55	55
4	58	48	48	45	62	57	46	53	59	58
5	46	59	48	46	44	64	59	44	53	59
K - 5 Total	296	313	292	296	311	328	306	306	309	308

Source: Wellesley Public Schools

Hardy Elementary School
Projected Enrollment - Most Likely

Grade	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	43	41	43	41	42	42	42	42	42	42
1	43	48	45	48	45	46	46	46	46	46
2	54	44	49	47	49	46	47	47	47	47
3	46	57	46	52	49	52	48	50	50	50
4	56	47	58	47	53	50	53	49	51	51
5	58	56	47	58	47	53	50	53	49	51
K - 5 Total	300	293	288	293	285	289	286	287	285	287

Source: FutureThink

Hunnewell Elementary School
Historical Enrollment

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
K	56	44	41	45	37	42	44	42	41	40
1	46	63	43	48	51	38	44	46	42	40
2	64	47	58	47	50	54	44	47	46	44
3	63	64	45	60	49	52	55	46	45	46
4	54	61	59	48	62	51	58	52	45	40
5	45	55	61	59	53	61	54	57	53	41
K - 5 Total	328	334	307	307	302	298	299	290	272	251

Source: Wellesley Public Schools

Hunnewell Elementary School
Projected Enrollment - Most Likely

Grade	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	40	38	40	38	39	39	39	39	39	39
1	41	41	39	41	38	40	40	40	40	40
2	42	42	43	40	43	40	41	41	41	41
3	44	42	42	43	41	43	40	41	41	41
4	46	44	42	42	43	40	43	40	41	41
5	40	45	44	41	42	42	40	42	40	41
K - 5 Total	253	252	250	245	246	244	243	243	242	243

Source: FutureThink

Schofield Elementary School
Historical Enrollment

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
K	49	60	56	48	60	54	63	59	53	53
1	65	53	66	54	50	62	63	63	62	58
2	73	69	47	66	52	56	65	59	68	63
3	67	75	73	51	66	55	56	67	65	67
4	55	68	70	69	48	63	56	52	65	67
5	69	54	62	71	67	51	62	50	55	60
K - 5 Total	378	379	374	359	343	341	365	350	368	368

Source: Wellesley Public Schools

Schofield Elementary School
Projected Enrollment - Most Likely

Grade	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	55	52	55	52	53	53	53	53	53	53
1	57	59	56	59	55	57	57	57	57	57
2	60	58	61	58	61	57	58	58	58	58
3	65	61	60	62	59	62	58	60	60	60
4	66	64	61	59	62	58	62	58	59	59
5	65	64	62	59	58	60	57	60	56	58
K - 5 Total	368	358	355	349	348	347	345	346	343	345

Source: FutureThink

**Sprague Elementary School
Historical Enrollment**

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
K	67	71	65	62	49	57	62	57	58	66
1	66	73	73	65	73	54	61	65	61	65
2	67	67	76	67	65	74	55	71	70	66
3	73	73	68	72	72	65	78	52	69	68
4	63	71	71	68	74	72	68	86	57	65
5	63	67	75	69	69	72	75	69	83	63
K - 5 Total	399	422	428	403	402	394	399	400	398	393

Source: Wellesley Public Schools

**Sprague Elementary School
Projected Enrollment - Most Likely**

Grade	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	59	56	59	55	57	57	57	57	57	57
1	72	64	61	64	60	62	62	62	62	62
2	71	78	70	66	70	65	67	67	67	67
3	65	69	76	68	65	68	64	66	66	66
4	68	65	69	76	68	65	68	64	66	66
5	67	70	67	72	79	71	67	71	66	68
K - 5 Total	402	402	402	401	399	388	385	387	384	386

Source: FutureThink

**Upham Elementary School
Historical Enrollment**

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
K	42	38	32	32	42	29	45	36	21	38
1	44	42	42	34	36	40	38	45	45	22
2	49	39	41	42	37	38	42	35	48	43
3	46	49	41	39	46	35	38	43	38	46
4	45	45	51	41	41	48	33	39	40	38
5	46	45	46	44	42	36	47	35	35	35
K - 5 Total	272	258	253	232	244	226	243	233	227	222

Source: Wellesley Public Schools

**Upham Elementary School
Projected Enrollment - Most Likely**

Grade	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	34	32	34	32	33	33	33	33	33	33
1	42	37	36	37	35	36	36	36	36	36
2	22	42	37	35	37	35	36	36	36	36
3	44	22	42	38	36	38	36	37	37	37
4	45	43	22	42	38	36	38	35	36	36
5	34	40	38	20	37	33	32	33	31	32
K - 5 Total	221	216	209	204	216	211	211	210	209	210

Source: FutureThink

CONCLUSION

As with any projection, the District should pay close attention to birth counts, enrollment in elementary schools, non-public school enrollment, and housing growth. Each of these factors will have an impact on future student enrollment.

FutureThink is pleased to have had the opportunity to provide the District with enrollment projection services. We hope this document will provide the necessary information to make informed decisions about the future of the Wellesley Public Schools.