
Lexington Public Schools
Lexington, Massachusetts

Four and Ten-Year Enrollment Forecasts



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Introduction

During the last thirty years, there have been significant changes in elementary enrollment, the number of elementary schools, and the district lines between schools. During the 1970s and early 1980s, elementary schools were closed due to declining enrollment. In the 1982-1983 school year, the grade K-5 enrollment dropped to 1,589 students, its lowest number in many years, and then began to rapidly increase. In the 2000-2001 school year, the K-5 enrollment previously peaked at 2,834. In 2013-2014, the K-5 enrollment reached a new thirty year high of 2,928 students, which is ninety-four more students than the peak enrollment thirteen years ago.

In the 1981-1982 school year, the middle school enrollment reached 1,422 and then declined to 937 students in the 1987-1988 school year. Seven years ago, the grade 6-8 enrollment climbed to 1,569. Last year, the enrollment was 1,644 students. This school year, the enrollment is 1,659 students, which is the highest level since records have been kept and an increase of fifteen students from last year.

The high school enrollment reached 2,274 in the 1981-1982 school year and then declined to 1,294 students in the 1991-1992 school year. Since the 1991-1992 school year, the grade 9-12 enrollment grew to 1,982 students in 2005-2006, and then has been essentially stable. This year the enrollment is 2,021, which is an increase of fourteen students from last year.

The purpose of this report is to forecast elementary, middle, and high school enrollments, based on the assumptions described in each section of the report.

Summary of K-5 Forecasts

A. Four-Year K-5 Forecast

The present K-5 enrollment of 2,928 is projected to increase to 2,991 for the 2017-2018 school year, which is an increase of 63 students. The four-year enrollment forecast is based on current K-5 enrollment numbers, actual births through September 24, 2013, and actual Lexington census numbers for children ages one through four years. Kindergarten enrollments for school years 2014-2015 through 2017-2018 are calculated by multiplying each elementary school's in-migration rate times the number of children in each K-5 district. For example, the 2014-2015 K projection for the "Sample School" is calculated by multiplying the age four to K progression rate for the "Sample School" times the number of four-year-olds residing in the Sample School district (1.10 times 50 = 55). The 2015-2016 K projection is calculated by multiplying the age three to age four progression rate (1.11) times the number of three-year-olds (45) and repeating the process described above.

Illustration of how the 2014-2015 Sample School Kindergarten numbers are calculated:

A	B	C	D
Age of Children	Number of Children	Average In or Out In-migration Rate*	Projected Number of Children (column B X C)
2	40	1.12	45 (projected # of three year olds)
3	45	1.11	50 (projected # of four year olds)
4	50	1.10	55 (projected # of kindergarten students)
5	55		

* Known as the progression rate.

B. Ten-Year K-5 Forecast

The report includes three methods for projecting ten-year forecasts:

1. Low projection — The low projection forecast is based on a 1.85 birth-to-K progression rate* and 208 births per year. Please note that the number of births is very stable over the past ten years (low of 181, high of 226).

The five-year average birth-to-K progression rate increased significantly over the last ten years (1.57 for the period 2004-2008 to 2.00 for the period 2009-2013). The very large increase in the in-migration rate may be caused by at least the following factors: the high quality school system is drawing more parents with pre-school children as nearby school districts are struggling, the town's decision to renovate the Bridge and Bowman elementary schools and build a new Estabrook elementary school, the number and size of houses for sale, new developments, and Lexington's full-day kindergarten program. More research is needed to determine the weight of these factors and other factors.

Given the recent, very large increase in the in-migration rate, I have increased the birth-to-Kindergarten five-year progression rate from a range of 1.75 to 1.95 in prior reports to a range of 1.85 to 2.05 in this report. In order to make a low projection, a 1.85 progression rate is assumed. Based on this assumption, the K-5 enrollment will decline from 2,928 to 2,821 in the next ten years, and we will have 8 surplus classrooms (assuming we continue to use modular classrooms).

*For every 100 births, it is projected there will be 185 kindergarten students five years later.

2. Middle projection — The middle projection forecast is based on a 1.95 birth-to-K progression rate and a continuation of the average 208 births per year. Should the K-5 enrollment increase from 2,928 to 2,971 in the next ten years, we will have no surplus classrooms (assuming we continue to use modular classrooms).
3. High projection — The high projection forecast is based on a 2.05 birth to K progression rate and a continuation of the average 208 births per year. Should the K-5 enrollment increase from 2,928 to 3,125 in the next ten years, we will have a deficit of 7 classrooms (assuming we continue to use modular classrooms).

Summary of 6-8 Forecasts

By 2023-2024, the present 6-8 enrollment of 1,659 is projected to increase to 1,749, which is an increase of 90 students (middle projection). The ten-year enrollment forecast is based on current K-5 enrollment numbers and pre-K census numbers. The three separate ten-year forecasts range from a high of 1,837 to a low of 1,659. Please note that before the enrollment begins to decline in 2021-2022, I forecast the enrollment will increase to 1,850 students in 2020-2021, which is 191 students higher than the current enrollment.

Summary of 9-12 Forecasts

By 2023-2024, the present 9-12 enrollment of 2,021 is projected to increase to 2,401, which is an increase of 380 students. The ten-year enrollment forecast is based on current grade 4-8 enrollment numbers. The ten-year forecast is 2,401 students (low, middle, and high projections are identical).

Limitations of the Study

The accuracy of enrollment forecasts is based on three major factors:

- The ability to predict future birth numbers
- The stability of the number of women of child bearing age
- The stability of migration patterns, and
- The probability of mathematical classroom configurations

First, this report illustrates four- and ten-year enrollment numbers based relatively on stable birth numbers. Should birth numbers increase, the forecasts in this report will be too low. Second, it is assumed that the five-year average, grade-to-grade progression rates, and the birth-to-K progression rates are reliable. Should there be a demographic shift resulting in a significant decline in the number of families moving into Lexington with preschool age children, and/or a decrease in the percentage of children attending Lexington Public Schools, there would be a corresponding decline in future school enrollment. Finally, this report conservatively projects elementary classroom needs based on an even mathematical distribution of the total enrollment across all schools. Furthermore, actual classroom needs usually exceed the projection because of the distribution of students in each elementary school.

Information Sources

In addition to the birth records, which are counted at Town Hall, information sources for the enrollment projections include actual enrollment numbers and preschool census data. The preschool census information is extracted by the school department's technology staff.

Assumptions

It is important to note that throughout this report, the classroom projections are based on an even mathematical distribution of the enrollment across all schools. The actual classroom need, which is based on the distribution of students across grades in each elementary school, is typically higher than the projection. The reader should assume all 10 modular classrooms are not permanent and will be replaced during the next ten years. In addition, it is assumed that all Lexington schools will have dedicated art, music, library, and special education classrooms, and will not have any dedicated extended day rooms.

Technical Assistance

I thank Ruth Quinn Berdell for providing the technical assistance required to produce the tables and charts in this report.

NUMBER OF LEXINGTON BIRTHS PER YEAR

<u>Calendar Year</u>	<u>Actual Births</u>	<u>School Year</u>	<u>Prorated Births ⁽¹⁾</u>	
1994	272	93-94		
1995	295	94-95	287	
1996	273	95-96	280	
1997	288	96-97	283	
1998	297	97-98	294	
1999	248	98-99	264	
2000	241	99-00	243	
		<u>School Year</u>	<u>Actual Births</u>	
		00-01	247	
		01-02	235	
		02-03	208	
		03-04	226	
		04-05	220	
		05-06	205	
		06-07	181	
		07-08	213	
		08-09	200	
		09-10	212	
		10-11	187	
		11-12	216	
		12-13	220	
				Projected Average
				208

⁽¹⁾ Prorated birth counts are based on kindergarten eligibility dates - September 1 to August 31

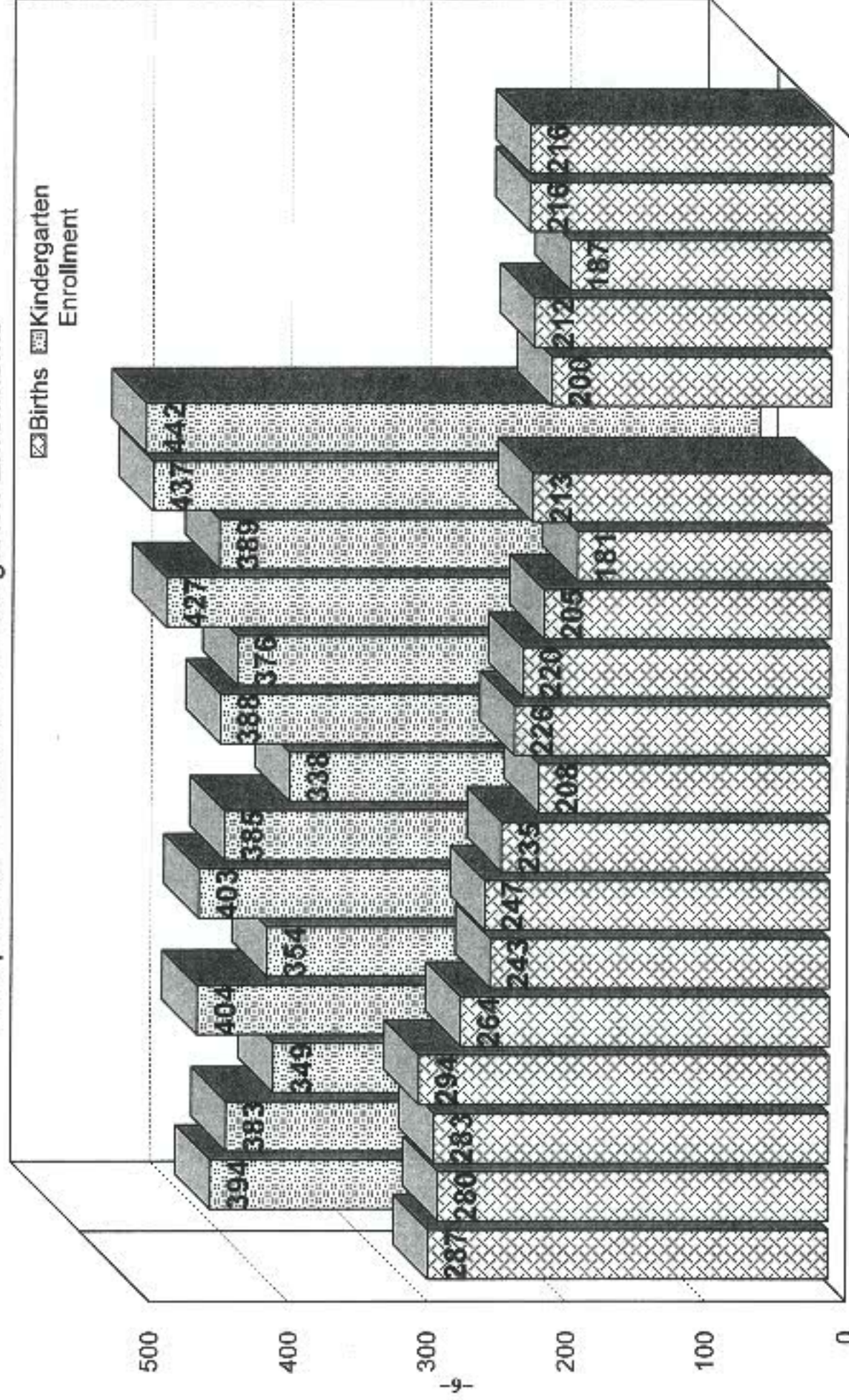
⁽²⁾ Projected births for the period September 1, 2012 to August 31, 2013 based on 219 actual births-to-date recorded by the town clerk as of September 24, 2013. It may be several months before final numbers are received.

HISTORICAL BIRTH-to-K PROGRESSION RATES

<u>Year</u>	<u>Rate</u>
99-00	1.40
00-01	1.59
01-02	2.66
02-03	1.23
03-04	1.37
04-05	1.34
05-06	1.66
06-07	1.56
07-08	1.44
08-09	1.87
09-10	1.66
10-11	1.94
11-12	1.90
12-13	2.41
13-14	2.08

Average
2.00

Lexington Public Schools Comparison of Births and Kindergarten Enrollments



94-95 95-96 96-97 97-98 98-98 98-00 00-01 01-02 02-03 03-04 04-05 05-06 06-07 07-08 08-09 09-10 10-11 11-12 12-13 13-14

Prior to 00-01, calendar year birth counts have been prorated based on kindergarten eligibility dates - September 1 to August 31. Beginning in 00-01, actual birth counts based on kindergarten eligibility dates - September 1 to August 31 are used.

**HISTORICAL GRADE 5 TO
GRADE 6 PROGRESSION
RATES**

<u>Year</u>	<u>Rate</u>	
85-86	0.99	
86-87	1.02	
87-88	1.03	
88-89	1.03	
89-90	1.00	
90-91	1.02	
91-92	1.03	
92-93	1.03	
93-94	1.08	
94-95	1.08	
95-96	1.02	
96-97	1.00	
97-98	1.00	
98-99	1.03	
99-00	1.01	
00-01	1.02	
01-02	0.98	
02-03	1.01	
03-04	1.04	
04-05	0.99	
05-06	1.02	
06-07	1.03	
07-08	1.05	
08-09	1.02	Average
09-10	1.02	
10-11	1.05	1.05
11-12	1.04	
12-13	1.07	
13-14	1.05	

**HISTORICAL GRADE 8 TO
GRADE 9 PROGRESSION**

<u>Year</u>	<u>Rate</u>	
85-86	1.00	
86-87	0.96	
87-88	0.97	
88-89	1.00	
89-90	0.97	
90-91	1.03	
91-92	1.00	
92-93	0.99	
93-94	1.00	
94-95	0.98	
95-96	1.00	
96-97	0.92	
97-98	0.96	
98-99	0.95	
99-00	0.97	
00-01	0.98	
01-02	0.98	
02-03	0.99	
03-04	1.00	
04-05	0.99	
05-06	1.00	
06-07	1.00	
07-08	0.97	
08-09	0.98	Average
09-10	0.96	
10-11	0.95	0.98
11-12	0.99	
12-13	0.99	
13-14	0.99	

LEXINGTON SCHOOL ENROLLMENT

10/1/13

School	Year	Births*	TOTAL												System Total	Chg			
			K	1	2	3	4	5	6	7	8	9	10	11			12	K-5	6-8
80-81		209	257	282	307	375	400	444	424	483	409	562	620	667	1830	1351	2258	5439	
81-82		211	229	267	281	320	378	406	517	499	576	521	548	629	1686	1422	2274	5382	-57
82-83		211	243	245	270	288	332	374	477	531	461	580	537	558	1589	1382	2136	5107	-275
83-84		267	293	293	267	322	334	370	451	482	513	474	563	550	1776	1303	2100	5179	72
84-85		271	306	297	297	272	320	349	371	447	472	506	467	577	1763	1167	2022	4952	-227
85-86		259	316	321	301	312	275	318	347	376	449	462	515	462	1784	1041	1888	4713	-239
86-87		273	301	315	330	315	312	281	326	346	362	437	456	510	1846	953	1765	4584	-149
87-88		297	337	315	343	349	316	322	285	330	334	351	405	452	1957	937	1542	4436	-128
88-89		304	324	340	334	346	352	325	327	293	330	337	345	413	2000	945	1425	4370	-66
89-90		341	347	326	350	335	358	353	335	340	283	332	336	357	2057	1028	1308	4393	23
90-91		354	379	352	340	364	335	366	369	348	351	277	335	332	2124	1083	1295	4502	109
91-92		377	379	384	340	352	369	345	376	372	347	330	301	316	2201	1093	1294	4588	86
92-93		364	428	387	396	347	354	380	347	376	368	337	342	280	2276	1103	1327	4706	118
93-94		379	408	438	420	417	356	383	388	344	377	352	346	321	2418	1115	1396	4929	223
94-95		287	377	439	415	452	417	420	385	394	387	377	342	336	2520	1166	1392	5078	149
95-96		280	429	450	435	455	425	427	400	394	386	341	358	349	2623	1221	1434	5278	200
96-97		283	412	486	457	462	439	471	427	438	411	361	334	371	2727	1276	1444	5447	169
97-98		294	381	455	521	462	466	439	470	456	446	396	374	319	2724	1372	1474	5570	123
98-99		264	413	437	465	540	471	468	454	470	456	423	399	361	2794	1380	1543	5717	147
99-00		243	402	467	455	470	547	476	474	452	466	441	423	386	2817	1392	1598	5807	90
00-01		247	394	467	482	461	479	551	484	469	450	457	428	407	2834	1403	1662	5899	92
01-02		235	383	462	488	494	452	487	540	481	471	442	455	422	400	2766	1492	5977	78
02-03		208	349	447	464	504	496	455	492	547	482	468	441	443	414	2715	1521	6002	25
03-04		226	404	413	446	478	515	508	471	509	547	482	469	442	439	2764	1527	6123	121
04-05		220	354	450	429	468	482	518	504	482	521	543	475	465	444	2701	1507	6135	12
05-06		205	403	413	464	446	472	502	530	513	474	522	534	475	451	2700	1517	6199	64
06-07		181	385	433	437	489	446	473	517	535	517	473	516	515	463	2863	1569	6199	0
07-08		213	338	444	459	455	496	457	495	521	536	500	473	512	509	2649	1552	6195	-4

LEXINGTON SCHOOL ENROLLMENT

10/1/13

School	Year	Births*	TOTAL												System Total	Chg				
			K	1	2	3	4	5	6	7	8	9	10	11			12	K-5	6-8	9-12
08-09		200	388	400	455	478	470	508	465	509	527	527	495	460	509	2699	1501	1991	6191	-4
09-10		212	376	413	440	465	494	487	519	458	509	508	507	497	458	2675	1486	1970	6131	-60
10-11		187	427	461	449	464	502	527	513	530	472	484	514	505	492	2830	1515	1995	6340	209
11-12		216	389	483	482	470	493	501	547	515	546	465	479	507	502	2818	1608	1953	6379	39
12-13		219#	437	424	513	507	484	506	536	580	528	542	483	473	509	2851	1644	2007	6502	123
13-14		442	485	460	530	524	487	487	531	553	575	522	535	482	482	2928	1659	2021	6608	106

* Prior to 00-01, births are prorated from actual calendar year counts to reflect the enrollment year, September 1, YYYY to August 31, YYYY
 # Birth figures as of 9/24/2013; it may be several months before final numbers are received.

LEXINGTON SCHOOL ENROLLMENT

10/1/13

Year	K	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL			System Total
														K-5	6-8	9-12	
80-81																	
81-82	1.10	1.04	1.00	1.04	1.01	1.02	1.16	1.16	1.18	1.19	1.27	0.96	1.01	0.92	1.05	1.01	0.99
82-83	1.15	1.07	1.01	1.02	1.04	0.99	1.17	1.03	0.92	0.92	1.01	1.03	1.02	0.94	0.97	0.94	0.95
83-84	1.39	1.21	1.09	1.19	1.16	1.11	1.21	1.01	0.97	0.97	1.03	0.97	1.02	1.12	0.94	0.98	1.01
84-85	1.15	1.01	1.01	1.02	0.99	1.04	1.00	0.99	0.98	0.98	0.99	0.99	1.02	0.99	0.90	0.96	0.96
85-86	1.17	1.05	1.01	1.05	1.01	0.99	0.99	1.01	1.00	1.00	0.98	1.02	0.99	1.01	0.89	0.93	0.95
86-87	1.16	1.00	1.03	1.05	1.00	1.02	1.03	1.00	0.96	0.96	0.97	0.99	0.99	1.03	0.92	0.93	0.97
87-88	1.23	1.05	1.09	1.06	1.00	1.03	1.01	1.01	0.97	0.97	0.97	0.93	0.99	1.06	0.98	0.87	0.97
88-89	1.09	1.01	1.06	1.01	1.01	1.03	1.02	1.03	1.00	1.00	1.01	0.98	1.02	1.02	1.01	0.92	0.99
89-90	1.14	1.01	1.03	1.00	1.03	1.00	1.03	1.04	0.97	1.01	1.01	1.00	1.03	1.03	1.09	0.92	1.01
90-91	1.11	1.01	1.04	1.04	1.00	1.02	1.05	1.04	1.03	1.03	0.98	1.01	0.99	1.03	1.05	0.99	1.02
91-92	1.07	1.01	0.97	1.04	1.01	1.03	1.03	1.01	1.00	0.94	1.09	0.94	0.94	1.04	1.01	1.00	1.02
92-93	1.14	1.02	1.03	1.02	1.01	1.03	1.01	1.00	0.99	0.99	0.97	1.04	0.93	1.03	1.01	1.03	1.03
93-94	1.12	1.02	1.09	1.05	1.03	1.08	1.02	0.99	1.00	0.96	1.00	0.96	1.03	1.06	1.01	1.05	1.05
94-95	1.16	1.02	1.03	0.99	1.01	1.08	1.03	1.00	0.98	1.00	0.97	1.00	0.97	1.04	1.05	1.00	1.03
95-96	1.14	1.03	1.05	1.01	1.02	1.02	1.04	1.00	1.00	1.00	1.01	0.95	1.02	1.04	1.05	1.03	1.04
96-97	1.13	1.07	1.03	1.01	1.04	1.00	1.03	1.03	1.03	0.92	0.98	0.98	1.04	1.04	1.05	1.01	1.03
97-98	1.10	1.07	1.01	1.01	1.00	1.00	1.07	1.02	0.96	1.07	0.99	0.96	0.96	1.00	1.08	1.02	1.02
98-99	1.15	1.02	1.04	1.02	1.00	1.03	1.00	1.00	0.95	1.01	0.94	0.94	0.97	1.03	1.01	1.05	1.03
99-00	1.40	1.13	1.04	1.01	1.01	1.01	1.00	0.99	0.97	1.00	0.97	1.00	0.97	1.01	1.01	1.04	1.02
00-01	1.59	1.16	1.03	1.01	1.02	1.01	1.02	0.99	1.00	0.98	0.97	0.96	0.96	1.01	1.01	1.04	1.02
01-02	2.66	1.17	1.04	1.02	0.98	1.02	0.98	0.99	1.00	0.98	1.00	0.99	0.98	0.98	1.06	1.03	1.01
02-03	1.23	1.17	1.00	1.03	1.00	1.01	1.01	1.00	0.99	1.00	0.99	0.97	0.98	0.98	1.02	1.03	1.00
03-04	1.37	1.18	1.00	1.03	1.02	1.04	1.03	1.00	1.00	1.00	1.00	1.00	0.99	1.02	1.00	1.04	1.02
04-05	1.34	1.11	1.04	1.05	1.01	1.01	0.99	1.02	1.02	0.99	0.99	0.99	1.00	0.98	0.99	1.05	1.00
05-06	1.66	1.17	1.03	1.04	1.01	1.04	1.02	1.02	0.98	1.00	0.98	1.00	0.97	1.00	1.01	1.03	1.01
06-07	1.56	1.07	1.06	1.05	1.00	1.00	1.03	1.01	1.01	1.00	0.99	0.96	0.97	0.99	1.03	0.99	1.00
07-08	1.44	1.15	1.06	1.04	1.01	1.02	1.05	1.01	1.00	0.97	1.00	0.99	0.99	0.99	0.99	1.01	1.00

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LEXINGTON SCHOOL ENROLLMENT

10/1/13

Year	K	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL			System Total
														K-5	6-8	9-12	
08-09	1.87	1.16	1.02	1.04	1.03	1.02	1.02	1.03	1.01	0.98	0.99	0.97	0.99	1.02	0.97	1.00	1.00
09-10	1.66	1.06	1.10	1.02	1.03	1.04	1.02	0.98	1.00	0.96	0.96	1.00	1.00	0.99	0.99	0.99	0.99
10-11	1.94	1.23	1.09	1.05	1.08	1.07	1.05	1.02	1.03	0.95	1.01	1.00	0.99	1.06	1.02	1.01	1.03
11-12	1.90	1.13	1.05	1.05	1.06	1.00	1.04	1.00	1.03	0.99	0.99	0.99	0.99	1.00	1.06	0.98	1.01
12-13	2.41	1.08	1.06	1.05	0.99	1.03	1.07	1.06	1.03	0.99	1.04	0.99	1.00	1.01	1.02	1.03	1.02
13-14	2.08	1.11	1.08	1.03	1.03	1.05	1.05	1.03	0.99	0.99	0.99	1.00	1.02	1.03	1.01	1.01	1.02

Long-Range Enrollment Projections
(Based on current enrollment numbers,
actual and projected birth numbers, and
current school district lines.)

Progression Rates

<u>Grade</u>	<u>Progression Rate</u>
K	1.85
1	1.12
2	1.08
3	1.04
4	1.04
5	1.04
6	1.05
7	1.02
8	1.02
9	0.98
10	1.00
11	1.00
12	1.00

Grades 1 through 12 progression rate based on five year average

Ten Year Enrollment Projection

Kindergarten enrollment for FY15 based on four year old census. Kindergarten enrollment for FY16 through FY18 based on actual births. Kindergarten enrollment for FY19 based on 220 projected births. Kindergarten enrollments for FY20 through FY24 based on 208 projected births.

Grade (A)	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
K	442	392	382	346	400	407	385	385	385	385	385
1	485	485	439	439	388	448	456	431	431	431	431
2	480	524	535	474	474	419	484	492	465	465	465
3	530	478	545	556	493	493	436	503	512	484	484
4	524	551	487	567	578	513	513	453	523	532	503
5	487	545	573	517	590	601	534	534	471	544	553
Subtotal	2,928	2,985	2,981	2,899	2,923	2,881	2,808	2,798	2,787	2,841	2,821
6	531	511	572	602	543	620	631	561	561	495	571
7	553	542	521	583	614	554	632	644	572	572	505
8	575	564	553	531	595	628	565	645	657	583	583
Subtotal	1,659	1,617	1,646	1,718	1,752	1,800	1,828	1,850	1,790	1,650	1,659
9	522	564	553	542	520	583	613	554	632	644	571
10	535	522	564	553	542	520	583	613	554	632	644
11	482	535	522	564	553	542	520	583	613	554	632
12	482	482	535	522	564	553	542	520	563	613	554
Subtotal	2,021	2,103	2,174	2,181	2,179	2,198	2,258	2,270	2,382	2,443	2,401
TOTAL	6,608	6,705	6,801	6,796	6,854	6,879	6,894	6,918	6,959	6,934	6,881

(A) Based on October 1, 2013 enrollment figures.

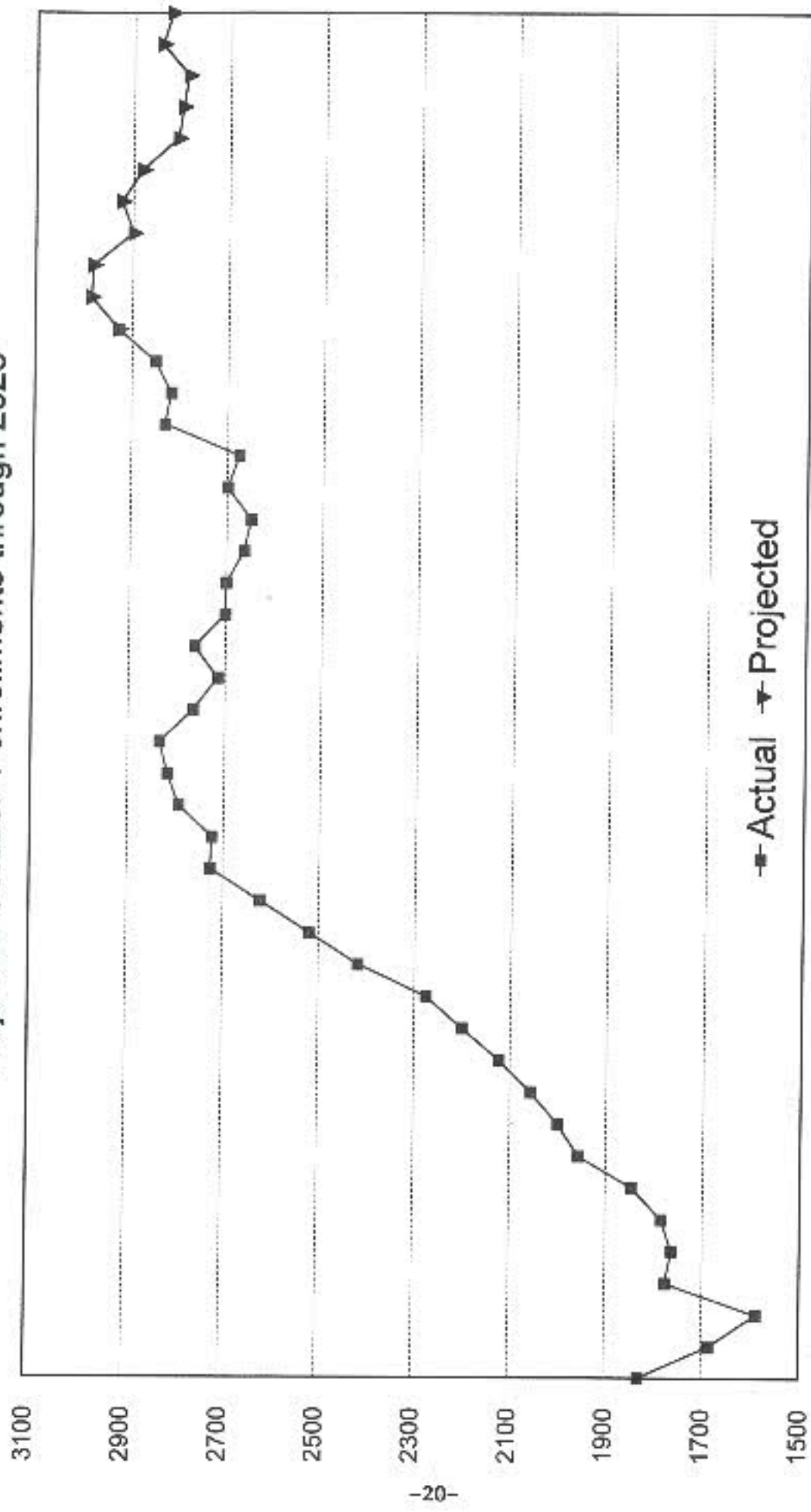
K - 5 Enrollment and Classroom Projection - FY15 through FY24

	Actual FY14	Projection									
		Based on Known Births					Based on 208 Projected Births and 1.85 Birth to K Progression Rate				
	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	
Projection	2,928	2,985	2,981	2,899	2,923	2,881	2,808	2,798	2,787	2,841	2,821
Regular classrooms	136	139	140	136	138	137	134	133	133	135	134
Additional permanent classrooms needed	6	-3	-2	-6	-4	-5	-8	-9	-9	-7	-8
Total regular classrooms*	130	142	142	142	142	142	142	142	142	142	142
Net enrollment increase =											-107

* The numbers assume each school has separate art, music, library, and special education spaces.

LEXINGTON ELEMENTARY ENROLLMENTS

Actual October 1 Enrollments through 2013
 Projected October 1 enrollments through 2023

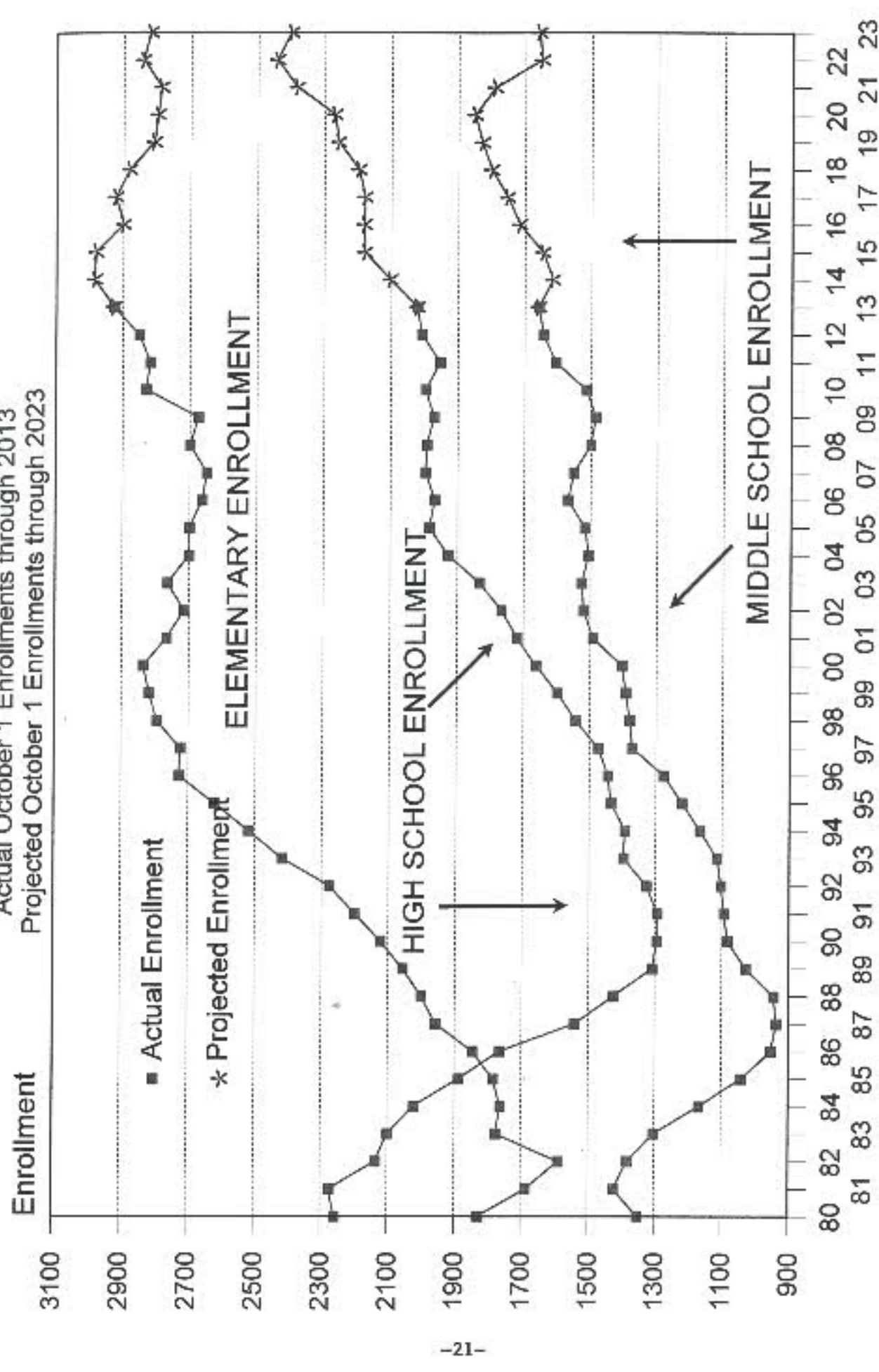


1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
 1981 1983 1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 2023

Based on 208 projected births and 1.85 birth to K progression rate.

ELEMENTARY, MIDDLE SCHOOL and HIGH SCHOOL ENROLLMENTS

Actual October 1 Enrollments through 2013
 Projected October 1 Enrollments through 2023



Based on a 1.85 Birth-to-Kindergarten progression rate.

October 1, ----

Progression Rates

<u>Grade</u>	<u>Progression Rate</u>
K	1.96
1	1.12
2	1.08
3	1.04
4	1.04
5	1.04
6	1.05
7	1.02
8	1.02
9	0.98
10	1.00
11	1.00
12	1.00

Grades 1 through 12 progression rate based on five year average

Ten Year Enrollment Projection

Kindergarten enrollment for FY15 based on four year old census. Kindergarten enrollment for FY16 through FY18 based on actual births. Kindergarten enrollment for FY19 based on 220 projected births. Kindergarten enrollments for FY20 through FY24 based on 208 projected births.

<u>Grade (A)</u>	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>
K	442	392	413	365	421	429	408	406	406	406	406
1	485	495	439	463	409	472	480	455	455	455	455
2	460	524	535	474	500	442	510	518	491	491	491
3	530	478	545	556	493	520	460	530	539	511	511
4	524	561	497	567	578	513	541	478	551	561	531
5	487	545	573	517	590	601	534	563	497	573	583
Subtotal	2,928	2,985	3,002	2,942	2,991	2,977	2,831	2,960	2,939	2,997	2,977
6	531	511	572	602	543	620	631	561	591	522	602
7	553	542	521	583	614	554	632	644	572	603	532
8	575	564	553	531	595	626	565	645	657	583	615
Subtotal	1,659	1,617	1,646	1,716	1,752	1,800	1,828	1,850	1,820	1,708	1,749
9	522	564	553	542	520	583	613	554	632	644	571
10	535	522	564	553	542	520	583	613	554	632	644
11	482	535	522	584	553	542	520	583	613	554	632
12	482	482	535	522	564	553	542	520	583	613	554
Subtotal	2,021	2,103	2,174	2,181	2,179	2,198	2,258	2,270	2,382	2,443	2,401
TOTAL	6,608	6,706	6,822	6,839	6,922	6,976	7,017	7,070	7,141	7,148	7,127

(A) Based on October 1, 2013 enrollment figures.

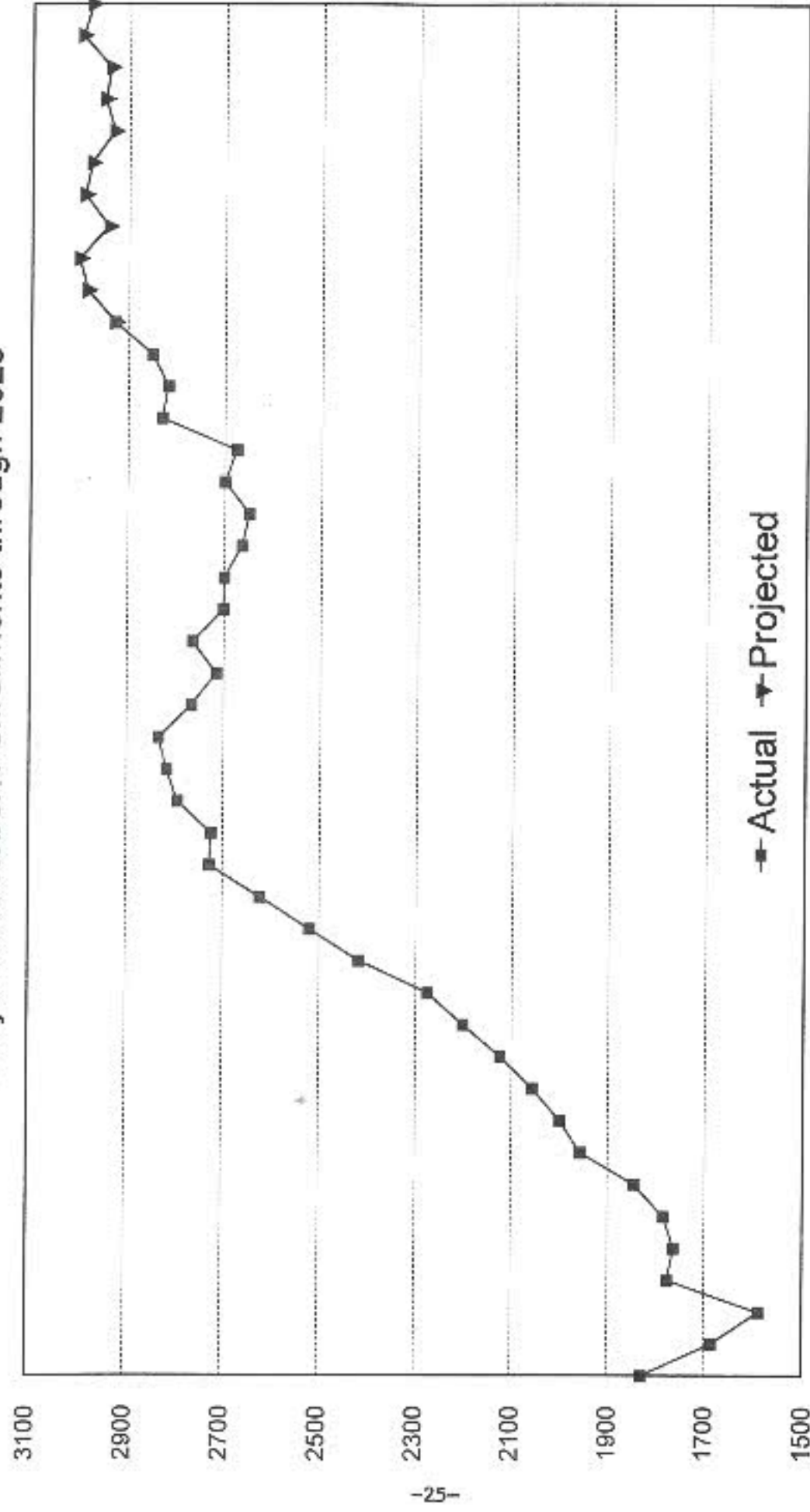
K - 5 Enrollment and Classroom Projection - FY15 through FY24

Actual FY14	Projection Based on Known Births					Projection Based on 208 Projected Births and 1.95 Birth to K Progression Rate				
	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
2,928	2,985	3,002	2,942	2,991	2,977	2,931	2,950	2,939	2,997	2,977
Regular classrooms	139	141	138	141	141	140	141	140	143	142
Additional permanent classrooms needed	6	-3	-1	-4	-1	-2	-1	-2	1	0
Total regular classrooms* =	142	142	142	142	142	142	142	142	142	142
Net enrollment increase =										49

* The numbers assume each school has separate art, music, library, and special education spaces.

LEXINGTON ELEMENTARY ENROLLMENTS

Actual October 1 Enrollments through 2013
Projected October 1 enrollments through 2023

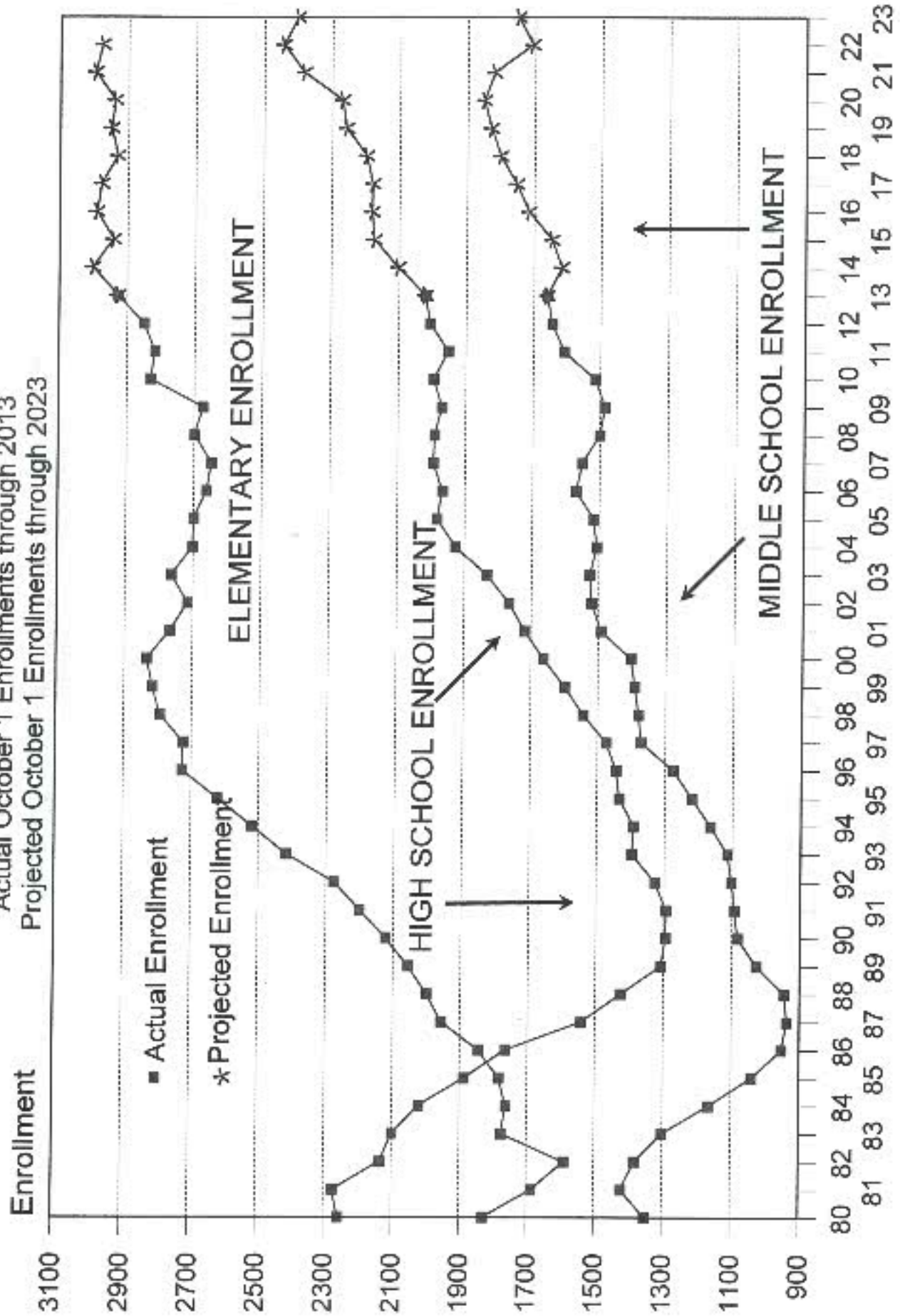


1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
1981 1983 1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 2023

Based on 208 projected births and 1.95 birth to K progression rate.

ELEMENTARY, MIDDLE SCHOOL and HIGH SCHOOL ENROLLMENTS

Actual October 1 Enrollments through 2013
 Projected October 1 Enrollments through 2023



Based on a 1.95 Birth-to-Kindergarten progression rate. October 1, ----

Progression Rates

Grade	Progression Rate
K	2.05
1	1.12
2	1.08
3	1.04
4	1.04
5	1.04
6	1.05
7	1.02
8	1.02
9	0.98
10	1.00
11	1.00
12	1.00

Grades 1 through 12 progression rate based on five year average

Ten Year Enrollment Projection

Kindergarten enrollment for FY15 based on four year old census. Kindergarten enrollment for FY16 through FY18 based on actual births. Kindergarten enrollment for FY19 based on 220 projected births. Kindergarten enrollments for FY20 through FY24 based on 208 projected births.

Grade (A)	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
K	442	392	435	383	443	451	426	426	426	426	426
1	485	495	439	487	429	496	505	477	477	477	477
2	460	524	535	474	526	463	536	545	515	515	515
3	530	478	545	556	493	547	482	557	567	536	536
4	524	551	497	567	578	513	569	501	579	590	557
5	487	545	573	517	590	601	534	592	521	602	614
Subtotal	2,928	2,985	3,024	2,984	3,059	3,071	3,052	3,098	3,085	3,146	3,125
6	531	511	572	602	543	620	631	561	622	547	632
7	553	542	521	583	614	554	632	644	572	634	558
8	575	564	553	531	595	626	565	645	657	583	647
Subtotal	1,659	1,617	1,646	1,716	1,752	1,800	1,828	1,850	1,851	1,764	1,837
9	522	564	553	542	520	583	613	554	632	644	571
10	535	522	564	553	542	520	583	613	554	632	644
11	482	535	522	564	553	542	520	583	613	554	632
12	482	482	535	522	564	553	542	520	583	613	554
Subtotal	2,021	2,103	2,174	2,181	2,179	2,198	2,258	2,270	2,382	2,443	2,401
TOTAL	6,608	6,705	6,844	6,881	6,990	7,069	7,138	7,216	7,318	7,353	7,363

(A) Based on October 1, 2013 enrollment figures.

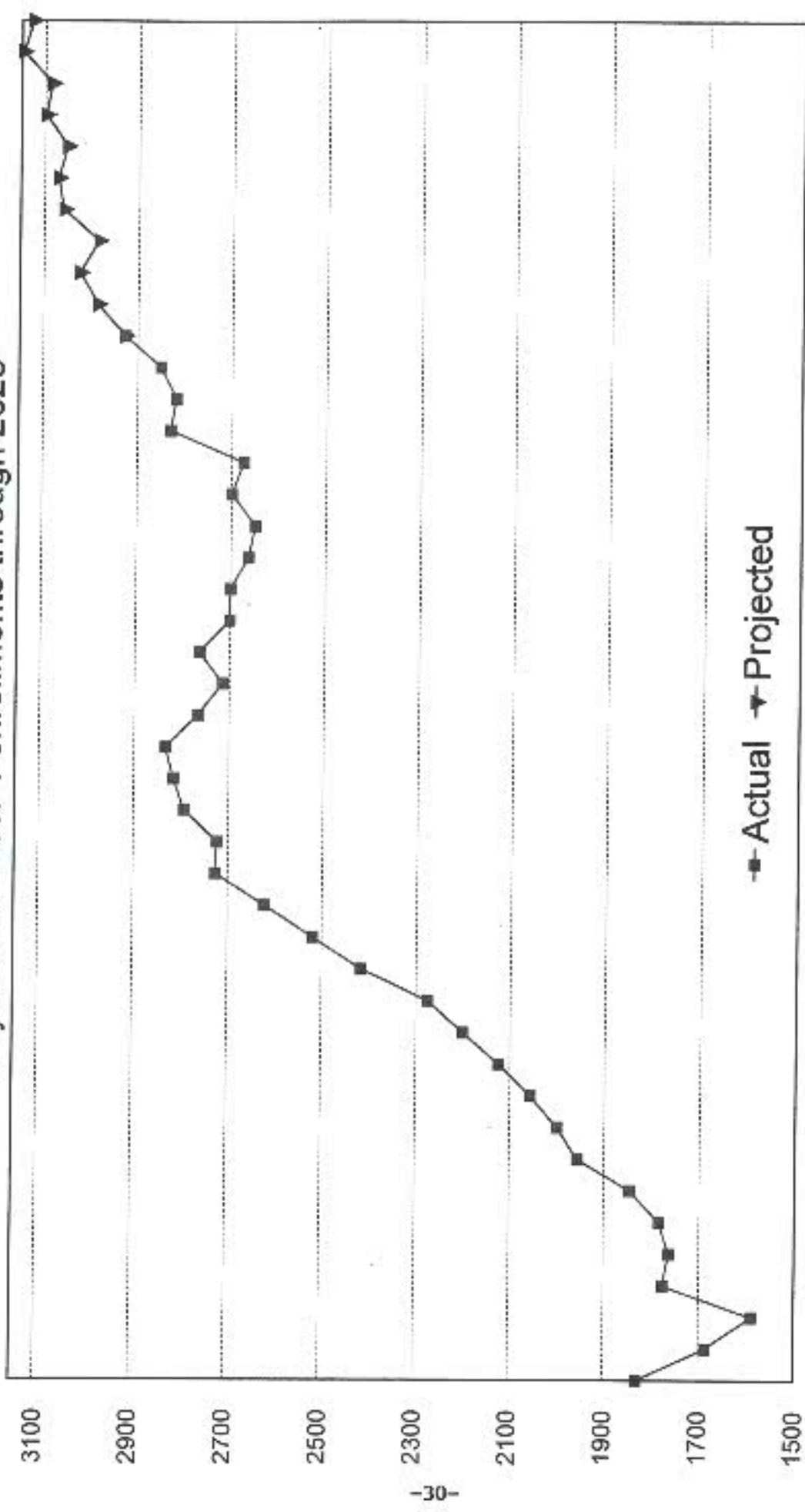
K - 5 Enrollment and Classroom Projection - FY15 through FY24

	Actual FY14	Projection									
		Based on Known Births					Based on 208 Projected Births and 2.05 Birth to K Progression Rate				
	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	
Projection	2,928	2,985	3,024	2,984	3,071	3,052	3,098	3,085	3,146	3,125	
Regular classrooms	136	139	142	140	146	145	148	147	150	149	
Additional permanent classrooms needed	6	-3	0	-2	4	3	6	5	8	7	
Total regular classrooms* =	130	142	142	142	142	142	142	142	142	142	
Net enrollment increase =										197	

* The numbers assume each school has separate art, music, library, and special education spaces.

LEXINGTON ELEMENTARY ENROLLMENTS

Actual October 1 Enrollments through 2013
 Projected October 1 enrollments through 2023

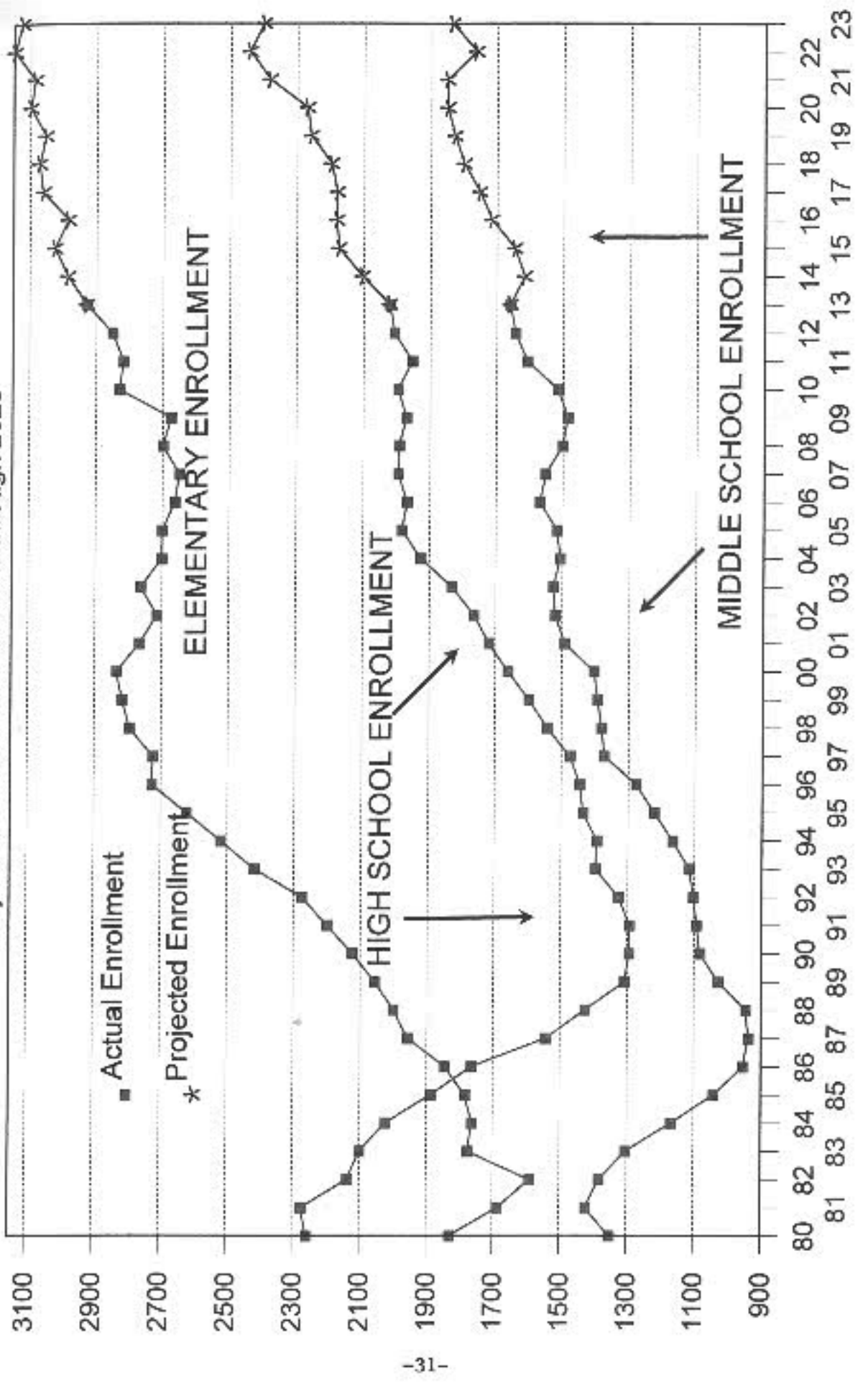


1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016 2018 2020 2022
 1981 1983 1985 1987 1989 1991 1993 1995 1997 1999 2001 2003 2005 2007 2009 2011 2013 2015 2017 2019 2021 2023

Based on 208 projected births and 2.05 birth to K progression rate.

ELEMENTARY, MIDDLE SCHOOL and HIGH SCHOOL ENROLLMENTS

Actual October 1 Enrollments through 2013
 Projected October 1 Enrollments through 2023



Based on a 2.05 Birth-to-Kindergarten progression rate.

October 1, ----

Four-Year Enrollment Projection
(Based on current enrollment numbers,
actual pre-K census numbers, and current
school district lines.)

**Lexington Public Schools
2013-2014 October 1, 2013, Enrollment**

Grade	Bowman	Bridge	Estabrook	Fiske	Harrington	Hastings	TOTALS
K	16	16	20	21	20	19	442
	15	17	21	21	20	19	
	15	17	20	21	20	19	
	15	17	20	22			
	15	18					
1	20	24	24	21	21	18	485
	19	24	24	20	21	18	
	20	24	24	20	22	18	
	20	25		21		18	
	19						
2	21	22	22	24	18	22	460
	22	23	23	25	18	24	
	23	23	22	25	18	23	
	22	22			18		
3	22	24	25	24	26	18	530
	21	24	25	24	25	19	
	23	24	24	24	26	19	
	24	25	23	23		18	
4	25	25	21	21	19	19	524
	23	25	23	20	20	18	
	24	26	23	22	19	19	
	25	26	22	20	20	19	
5	23	20	22	26	22	25	487
	24	20	23	25	23	25	
	24	21	22	27	24	25	
	23	20	23				
Total Enrollment	543	550	498	497	420	422	2928
Sections	26	25	22	22	20	21	136
<u>Middle School</u>							
		Clarke			Diamond		
6		274			257		531
7		283			270		553
8		310			265		575
Total		867			792		1659
<u>High School</u>							
9							522
10							535
11							482
12							482
Total							2021
						District Total	6608

School by School Enrollments
Actual FY14
FY15 through FY18 Projections
Kindergarten Numbers Based on Census Data

Bowman		<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>
K		76	75	71	92	90
1		98	85	84	80	103
2		88	106	92	91	86
3		90	92	110	96	95
4		97	94	96	114	100
5		94	101	98	100	119
TOTAL		543	553	551	573	593
Bridge		<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>
K		83	68	86	54	79
1		97	93	76	96	60
2		90	105	100	82	104
3		97	94	109	104	85
4		102	101	98	113	108
5		81	106	105	102	118
TOTAL		550	567	574	551	554
Estabrook		<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>
K		81	62	54	52	60
1		72	91	69	60	58
2		67	78	98	75	65
3		97	70	81	102	78
4		89	101	73	84	106
5		90	93	105	76	87
TOTAL		496	495	480	449	454
Fiske		<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>
K		85	78	89	40	65
1		82	95	87	100	45
2		74	89	103	94	108
3		95	77	93	107	98
4		83	99	80	97	111
5		78	86	103	83	101
TOTAL		497	524	555	521	528

School by School Enrollments
Actual FY14
FY15 through FY18 Projections
Kindergarten Numbers Based on Census Data

Harrington		<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>
K		60	59	63	69	59
1		64	67	66	71	77
2		72	69	72	71	77
3		77	75	72	75	74
4		78	80	78	75	78
5		69	81	83	81	78
TOTAL		420	431	434	442	443
Hastings		<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>
K		57	50	53	55	69
1		72	64	56	59	62
2		69	78	69	60	64
3		74	72	81	72	62
4		75	77	75	84	75
5		75	78	80	78	87
TOTAL		422	419	414	408	419
K-5 Total		<u>FY14</u>	<u>FY15</u>	<u>FY16</u>	<u>FY17</u>	<u>FY18</u>
K		442	392	416	362	422
1		485	495	438	466	405
2		460	525	534	473	504
3		530	480	546	556	492
4		524	552	500	567	578
5		487	545	574	520	590
TOTAL		2928	2989	3008	2944	2991

Middle School Enrollments
Actual FY14
FY15 through FY23 Projections

	FY14	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23
Clarke Middle										
6	274	256	302	300	297	331	312	289	314	307
7	283	279	261	308	306	303	338	318	295	320
8	310	289	285	266	314	312	309	345	324	301
TOTAL	867	824	848	874	917	946	959	952	933	928
Diamond Middle										
6	257	258	272	305	251	292	321	272	284	215
7	270	262	263	277	311	256	298	327	277	290
8	265	275	267	268	283	317	261	304	334	283
TOTAL	792	795	802	850	845	865	880	903	895	788
Total										
6	531	514	574	605	548	623	633	561	598	522
7	553	541	524	585	617	559	636	645	572	610
8	575	564	552	534	597	629	570	649	658	584
TOTAL	1659	1619	1650	1724	1762	1811	1839	1855	1828	1716

PROGRESSION RATES
By Elementary District
4 year old to kindergarten

FY	Bowman	Bridge	Estabrook	Fiske	Harrington	Hastings
90 - 91	0.86	0.88	0.89	0.90	1.10	
91 - 92	0.93	1.06	0.90	1.02	1.17	
92 - 93	1.07	1.06	1.07	0.93	0.97	
93 - 94	1.17	1.11	0.98	0.94	1.15	
94 - 95	1.01	0.71	0.85	0.85	0.79	
95 - 96	1.03	1.07	1.01	1.10	1.04	0.94
96 - 97	0.92	1.10	1.19	1.66	0.86	1.09
97 - 98	1.03	0.87	0.93	1.22	0.98	1.13
98 - 99	1.00	1.38	1.10	1.36	1.10	1.10
99 - 00	1.05	1.04	0.88	1.06	1.11	1.23
00 - 01	0.92	1.32	0.99	1.46	1.14	1.13
01 - 02	1.14	1.14	1.16	1.18	1.11	1.18
02 - 03	0.76	0.77	0.98	1.24	0.88	0.97
03 - 04	0.87	1.17	1.23	1.05	1.32	1.10
04 - 05	0.84	1.43	1.29	1.46	1.18	0.95
05 - 06	0.97	1.40	1.11	1.04	1.52	1.12
06 - 07	0.99	1.08	1.33	1.61	1.29	1.10
07 - 08	1.00	0.90	1.08	1.15	1.33	1.16
08 - 09	1.21	1.31	1.42	2.38	1.55	1.59
09 - 10	1.06	1.29	1.84	1.00	1.50	1.40
10 - 11	1.31	1.79	1.19	1.87	1.27	1.57
11 - 12	1.00	1.27	0.88	1.10	1.22	1.05
12 - 13	1.24	1.20	1.49	1.18	1.27	1.44
13 - 14	1.09	1.14	1.65	1.25	1.28	1.19
Adjusted Average ⁽¹⁾	1.11	1.20	1.34	1.18	1.26	1.23

⁽¹⁾ Average adjusted to reflect improved census reporting

Appendix

BOWMAN

School Year	CENSUS										PROGRESSION RATE			
	< 1 yr old	1 yr old	2 yr old	3 yr old	4 yr old	5 yr old	October 1 Kindergarten	Age 0 to 1	Age 1 to 2	Age 2 to 3	Age 3 to 4	Age 4 to Kindergarten		
80 - 81	53	53	58	54	58		34	1.08	1.00	0.93	1.22	0.73		
81 - 82	45	57	53	54	66		43	0.88	1.05	0.87	1.19	0.78		
82 - 83	44	44	60	46	64		52	1.09	1.07	1.05	1.57	0.69		
83 - 84	47	48	47	63	72		44	0.91	0.96	1.04	1.22	0.58		
84 - 85	50	43	46	49	77		42	0.98	1.21	0.69	1.33	0.70		
85 - 86	63	49	52	41	65		54	1.06	1.43	1.21	1.61	0.86		
86 - 87	74	68	70	63	86		56	1.00	0.85	1.00	1.08	0.85		
87 - 88	66	74	58	70	68		56	1.09	1.15	1.00	1.27	0.94		
88 - 89	64	72	85	58	89		64	1.00	1.00	1.00	1.33	0.87		
89 - 90	23	64	72	85	77		77	2.39	1.00	1.00	1.16	0.86		
90 - 91	48	55	64	71	89		66	1.63	1.07	1.14	1.03	0.93		
91 - 92	54	78	59	73	73		92	1.41	1.18	1.07	1.12	1.07		
92 - 93	66	76	82	63	82		78	0.92	0.89	0.78	1.14	1.17		
93 - 94	51	61	68	73	72		98	1.00	1.00	1.00	1.08	1.01		
94 - 95	28	51	61	68	79		73	1.96	1.27	1.16	1.13	1.03		
95 - 96	58	55	65	71	77		81	1.00	1.00	1.00	1.10	0.92		
96 - 97	58	58	55	65	78		71	0.81	0.95	0.86	1.02	1.03		
97 - 98	58	47	55	53	66		80	1.16	1.02	1.09	1.25	1.00		
98 - 99	60	67	48	60	66		66	1.05	1.00	1.02	1.07	1.05		
99 - 00	58	63	67	49	64		69	1.16	1.03	0.99	1.29	0.92		
00 - 01	66	67	65	66	63		59	0.94	0.93	0.95	1.14	1.14		
01 - 02	27	62	62	62	75		72	2.37	1.16	1.13	1.08	0.76		
02 - 03	51	64	72	70	67		57	1.27	0.94	1.06	0.99	0.87		
03 - 04	34	66	60	76	69		58	1.59	0.82	0.88	0.95	0.84		
04 - 05	36	54	60	53	72		58	1.78	1.24	1.25	1.47	0.97		
05 - 06	56	64	67	75	78	99	70	0.77	0.81	0.82	0.93	0.99		
06 - 07	16	43	52	55	70		77							
After Redistricting														
06 - 07	16	43	53	54	68		68	2.69	1.16	1.11	1.07	1.00		
07 - 08	35	43	50	59	58		70	1.26	1.16	0.94	1.08	1.21		
08 - 09	46	44	50	47	64		70	1.09	1.23	1.08	1.32	1.06		
09 - 10	30	50	54	54	62		68	1.40	1.20	1.13	1.22	1.31		
10 - 11	45	42	80	61	66		81	0.91	0.98	1.02	0.98	1.00		
11 - 12	53	44	50	62	72		77	0.98	1.00	1.12	1.13	1.24		
12 - 13	51	51	44	56	70		89	1.10	1.27	1.30	1.21	1.09		
13 - 14	47	56	65	57	68		76							

BRIDGE

School Year	CENSUS										PROGRESSION RATE			
	< 1 yr old	1 yr old	2 yr old	3 yr old	4 yr old	5 yr old	October 1 Kindergarten	Age 0 to 1	Age 1 to 2	Age 2 to 3	Age 3 to 4	Age 4 to Kindergarten		
80 - 81	28	44	34	36	38		38	1.11	0.88	1.03	1.33	0.74		
81 - 82	28	31	43	35	48		28	1.46	1.26	1.37	1.68	0.69		
82 - 83	44	41	39	59	59		33	1.11	1.15	1.00	1.32	0.93		
83 - 84	41	49	47	39	78		55	1.07	1.02	1.06	1.49	0.74		
84 - 85	47	44	50	50	58		58	1.45	1.43	1.42	1.70	1.21		
85 - 86	66	68	63	71	85		70	0.73	0.84	0.65	0.94	0.73		
86 - 87	54	48	64	41	67		62	1.11	1.19	1.06	1.48	1.03		
87 - 88	56	60	57	68	60		69	1.07	1.23	1.11	1.24	0.97		
88 - 89	43	60	74	63	84		58	1.00	1.00	1.00	1.27	0.96		
89 - 90	44	43	60	74	80		81	1.73	1.07	1.05	1.20	0.88		
90 - 91	54	76	46	63	89		70	1.48	0.97	1.17	1.03	1.06		
91 - 92	56	80	74	54	65		94	1.16	1.03	1.12	1.17	1.06		
92 - 93	55	65	82	83	63		89	0.98	0.98	0.73	1.11	1.11		
93 - 94	38	54	84	60	92		70	1.00	1.00	1.00	1.20	0.71		
94 - 95	33	38	54	64	72		65	1.64	1.53	1.22	1.11	1.07		
95 - 96	42	54	58	66	71		77	1.00	1.00	1.00	1.20	1.10		
96 - 97	41	42	54	58	78		78	1.00	1.00	1.00	1.18	1.10		
97 - 98	57	43	37	59	55		68	1.05	0.88	1.09	0.95	0.87		
98 - 99	42	69	49	50	70		76	1.21	1.14	1.35	1.19	1.38		
99 - 00	41	44	71	50	53		73	1.05	1.03	1.02	1.06	1.04		
00 - 01	43	39	61	79	56		70	0.95	1.39	1.11	1.12	1.32		
01 - 02	30	43	49	68	102		64	1.00	1.26	1.11	1.29	1.14		
02 - 03	25	46	45	53	72		79	1.53	1.05	1.06	1.06	0.77		
03 - 04	26	41	43	49	49		84	1.64	0.93	1.09	0.92	1.17		
04 - 05	36	43	56	60	58		70	1.65	1.37	1.40	1.18	1.43		
05 - 06	24	45	42	54	60	71	81	1.25	0.88	0.96	1.00	1.40		
06 - 07	10	34	60	53	66		85	1.42	1.33	1.26	1.22	1.08		
After Redistricting														
06 - 07	10	29	55	45	62		56	2.70	1.10	0.98	0.93	0.90		
07 - 08	20	27	32	54	42		55	1.25	1.22	1.06	0.96	1.31		
08 - 09	37	25	33	34	52		67	1.32	1.52	1.24	1.12	1.29		
09 - 10	37	49	38	41	38		68	1.19	1.08	1.24	1.17	1.79		
10 - 11	43	44	53	47	48		72	0.81	0.84	0.85	1.06	1.27		
11 - 12	35	43	47	57	65		78	0.81	1.35	1.15	1.28	1.20		
12 - 13	37	32	58	54	73		78	0.81	1.35	1.15	1.28	1.20		
13 - 14	41	46	35	64	57		83	1.24	1.09	1.10	1.06	1.14		

ESTABROOK

School Year	CENSUS										PROGRESSION RATE			
	< 1 yr old	1 yr old	2 yr old	3 yr old	4 yr old	5 yr old	October 1 Kindergarten	Age 0 to 1	Age 1 to 2	Age 2 to 3	Age 3 to 4	Age 4 to Kindergarten		
80 - 81	26	32	43	26	52		31	1.27	1.00	1.07	1.58	0.71		
81 - 82	30	33	32	46	41		37	1.67	1.61	1.91	1.59	0.66		
82 - 83	47	50	53	61	73		27	1.02	1.16	1.06	1.28	0.77		
83 - 84	52	48	58	56	78		56	1.00	1.17	1.05	1.34	0.77		
84 - 85	55	52	56	61	75		60	1.11	1.15	1.23	1.26	0.80		
85 - 86	63	61	60	68	77		60	1.19	0.98	0.88	1.23	0.90		
86 - 87	64	75	60	53	85		69	1.02	1.05	0.98	1.40	0.88		
87 - 88	60	65	79	59	74		75	1.02	1.08	1.10	1.34	0.97		
88 - 89	65	89	70	87	78		72	1.15	1.08	1.10	1.15	0.92		
89 - 90	37	65	69	70	100		73	1.00	1.00	1.00	1.15	0.89		
90 - 91	57	66	70	76	83		89	1.78	1.08	1.10	1.19	0.90		
91 - 92	68	73	70	90	84		75	1.28	1.06	1.28	1.11	1.07		
92 - 93	52	68	82	76	102		90	1.00	1.12	1.09	1.13	1.07		
93 - 94	45	49	53	63	88		100	0.94	0.78	0.77	1.16	0.98		
94 - 95	30	45	49	53	76		75	1.00	1.00	1.00	1.21	0.85		
95 - 96	38	52	58	57	64		77	1.73	1.29	1.16	1.21	1.01		
96 - 97	31	38	52	58	70		76	1.00	1.00	1.00	1.23	1.19		
97 - 98	43	52	56	58	62		65	1.68	1.47	1.12	1.07	0.93		
98 - 99	40	48	58	63	73		68	1.12	1.12	1.13	1.26	1.10		
99 - 00	31	42	50	60	67		64	1.05	1.04	1.03	1.06	0.88		
00 - 01	46	45	52	45	57		66	1.45	1.24	0.90	0.95	0.99		
01 - 02	21	57	54	59	50		66	1.24	1.20	1.13	1.11	1.16		
02 - 03	27	42	55	56	62		49	2.00	0.98	1.04	1.05	0.88		
03 - 04	17	45	46	54	51		76	1.67	1.10	0.98	0.91	1.23		
04 - 05	26	39	56	50	57		66	2.28	1.24	1.09	1.06	1.29		
05 - 06	33	33	38	55	52	63	83	1.27	0.97	0.98	1.04	1.11		
06 - 07	14	40	43	45	66		69	1.21	1.30	1.18	1.20	1.33		
After Redistricting														
06 - 07	14	40	42	45	65		64	1.86	1.10	0.83	1.00	1.08		
07 - 08	25	26	44	35	45		64	1.60	1.54	1.34	1.09	1.42		
08 - 09	32	40	40	59	38		53	1.19	1.08	1.23	0.97	1.84		
09 - 10	26	38	43	49	57		70	1.23	1.05	0.86	1.00	1.19		
10 - 11	21	32	40	37	49		68	1.14	1.00	0.90	0.97	0.86		
11 - 12	31	29	38	44	43		54	0.94	1.00	1.03	1.11	1.49		
12 - 13	28	29	29	39	49		64	0.94	1.00	1.03	1.11	1.49		
13 - 14	31	31	31	36	46		81	1.11	1.07	1.24	1.18	1.65		

FISKE

School Year	CENSUS							October 1 Kindergarten	PROGRESSION RATE				Age 4 to Kindergarten
	< 1 yr old	1 yr old	2 yr old	3 yr old	4 yr old	5 yr old	Age 0 to 1		Age 1 to 2	Age 2 to 3	Age 3 to 4		
80 - 81	24	26	34	24	42		29	1.08	1.08	0.85	1.67	0.81	
81 - 82	25	26	28	29	40		34	0.96	1.04	1.18	1.28	0.60	
82 - 83	39	24	27	33	37		24	0.90	1.38	1.15	1.30	0.70	
83 - 84	21	35	33	31	43		26	1.33	1.00	1.06	1.19	1.05	
84 - 85	34	28	35	35	37		45	1.18	1.25	1.29	1.23	1.11	
85 - 86	41	40	35	45	43		41	1.10	0.80	1.06	1.04	1.19	
86 - 87	27	45	32	37	47		51	1.07	1.09	1.28	1.16	0.96	
87 - 88	37	29	49	41	43		45	1.16	1.10	1.12	1.20	1.00	
88 - 89	41	43	32	55	49		43	1.00	1.00	1.00	1.31	1.02	
89 - 90	16	41	43	32	72		50	2.63	1.05	1.33	1.63	0.90	
90 - 91	27	42	43	57	52		65	1.89	1.31	1.05	1.07	1.02	
91 - 92	41	51	55	45	61		53	1.15	1.08	1.13	1.20	0.93	
92 - 93	36	47	55	62	54		57	0.86	0.83	0.78	1.15	0.94	
93 - 94	34	31	39	43	71		51	1.00	1.00	1.00	1.14	0.85	
94 - 95	21	34	31	39	49		60	2.29	1.47	1.26	1.13	1.10	
95 - 96	34	48	50	39	44		54	1.00	1.00	1.00	1.15	1.66	
96 - 97	24	34	48	50	45		73	1.13	1.32	1.13	1.18	1.22	
97 - 98	28	27	45	54	59		55	1.14	1.30	1.13	0.94	1.36	
98 - 99	29	32	35	51	51		80	1.03	1.03	1.03	1.06	1.06	
99 - 00	24	30	33	36	54		54	1.04	0.93	0.94	1.11	1.46	
00 - 01	26	25	28	31	40		79	1.31	1.52	1.50	1.45	1.18	
01 - 02	15	34	38	42	45		47	1.73	1.12	0.97	0.95	1.24	
02 - 03	7	26	38	37	40		56	2.29	0.92	0.87	0.95	1.05	
03 - 04	8	16	24	33	35		42	2.50	1.63	1.75	1.52	1.46	
04 - 05	21	20	26	42	50		51	1.00	0.95	0.77	0.86	1.04	
05 - 06	11	21	19	20	36	45	52	2.36	1.33	1.26	1.50	1.61	
06 - 07	6	26	28	24	30		58						
After Redistricting													
06 - 07	6	26	31	36	41	43	47	4.17	1.38	1.52	0.94	1.15	
07 - 08	29	25	36	47	34	58	81	1.21	1.40	1.03	1.09	2.38	
08 - 09	43	35	35	37	51	59	51	0.91	1.11	1.23	1.22	1.00	
09 - 10	31	39	39	43	45	74	84	1.23	1.10	1.31	1.14	1.87	
10 - 11	37	38	43	51	49	61	61	1.11	0.95	1.09	1.04	1.10	
11 - 12	24	48	50	62	65	75	77	0.96	1.19	1.18	1.10	1.18	
12 - 13	35	23	57	59	68	86	85	1.09	1.13	1.18	1.12	1.25	
13 - 14	35	38	26	67	68								

HARRINGTON

School Year	CENSUS							October 1 Kindergarten	PROGRESSION RATE				Age 4 to Kindergarten
	< 1 yr old	1 yr old	2 yr old	3 yr old	4 yr old	5 yr old	Age 0 to 1		Age 1 to 2	Age 2 to 3	Age 3 to 4		
80 - 81	23	28	32	33	42		31	0.96	1.11	1.13	1.24	0.76	
81 - 82	18	22	31	36	41		32	1.33	0.91	1.03	1.22	0.90	
82 - 83	26	24	20	32	44		37	1.19	0.96	1.20	1.34	0.93	
83 - 84	34	31	23	24	43		41	1.09	1.00	1.04	1.29	0.81	
84 - 85	29	37	31	24	31		35	1.14	1.46	1.35	1.50	1.10	
85 - 86	38	33	54	42	36		34	0.87	1.21	0.83	1.24	0.97	
86 - 87	34	33	40	45	52		35	1.24	1.15	1.18	1.24	1.00	
87 - 88	46	42	38	47	56		52	1.17	1.05	1.21	1.40	1.20	
88 - 89	45	54	44	46	66		67	2.38	0.88	1.28	1.23	0.91	
89 - 90	21	45	54	44	58		60	1.26	0.98	1.20	1.04	1.10	
90 - 91	42	50	40	69	54		64	1.08	1.30	1.16	1.13	1.17	
91 - 92	51	53	49	48	72		63	0.97	0.87	0.87	1.11	0.97	
92 - 93	33	55	69	57	54		70	1.00	1.00	1.00	1.18	1.15	
93 - 94	41	32	48	60	63		62	2.00	1.39	1.31	1.31	0.79	
94 - 95	26	41	32	48	71		50	1.00	1.00	1.00	1.18	1.04	
95 - 96	46	52	57	42	63		74	1.00	1.00	1.00	1.26	0.86	
96 - 97	46	46	52	57	53		54	0.96	0.78	1.02	0.91	0.96	
97 - 98	34	45	36	53	52		52	1.26	1.24	1.11	1.08	1.10	
98 - 89	48	43	56	40	57		57	1.04	1.02	1.04	1.06	1.11	
99 - 00	46	50	44	58	43		63	0.80	0.58	0.95	0.97	1.14	
00 - 01	30	37	29	42	56		49	1.30	1.24	1.24	1.19	1.11	
01 - 02	21	39	46	36	50		62	1.43	1.13	1.00	1.14	0.88	
02 - 03	21	30	44	46	41		44	1.33	0.77	0.84	0.98	1.32	
03 - 04	18	28	23	37	45		54	1.28	1.18	1.87	1.14	1.18	
04 - 05	21	23	33	43	42		53	1.19	0.78	1.12	0.88	1.52	
05 - 06	21	25	18	37	38	44	64	1.19	1.10	1.07	1.12	1.27	
06 - 07	5	22	32	26	40		49	1.05	1.28	1.44	1.08	1.29	
After Redistricting													
06 - 07	5	28	37	28	40		53	4.20	1.00	0.84	1.36	1.33	
07 - 08	19	21	28	31	38	40	40	1.37	1.48	1.11	1.23	1.55	
08 - 09	21	26	31	31	38		57	1.14	1.12	1.32	1.32	1.50	
09 - 10	33	24	29	41	41		52	1.12	1.46	1.45	1.00	1.27	
10 - 11	27	37	35	42	41		55	0.96	0.89	1.00	1.00	1.22	
11 - 12	35	30	41	42	45		55	0.91	1.10	1.07	1.12	1.27	
12 - 13	32	32	33	44	47		57	0.91	1.10	1.07	1.12	1.27	
13 - 14	26	33	43	45	47		60	1.03	1.34	1.36	1.07	1.28	

HASTINGS

School Year	CENSUS							October 1 Kindergarten	PROGRESSION RATE			
	< 1 yr old	1 yr old	2 yr old	3 yr old	4 yr old	5 yr old	Age 0 to 1		Age 1 to 2	Age 2 to 3	Age 3 to 4	Age 4 to Kindergarten
80 - 81	26	25	48	40	42	46	1.27	1.12	0.98	1.23	0.88	
81 - 82	29	33	28	47	49	37	0.90	0.97	1.11	1.17	0.78	
82 - 83	34	26	32	31	55	38	0.94	1.04	0.97	1.19	0.82	
83 - 84	28	32	27	31	37	45	1.07	1.22	0.93	1.42	0.84	
84 - 85	22	30	39	25	44	31	0.00	0.00	0.00	0.00	0.00	
85 - 86												
86 - 87												
87 - 88												
88 - 89												
89 - 90												
90 - 91												
91 - 92												
92 - 93												
93 - 94	50	37	51	65	70	54	1.00	1.00	1.00	1.08	0.94	
94 - 95	32	50	37	51	55	66	1.78	1.16	1.32	1.08	1.09	
95 - 96	42	57	58	49	54	60	1.00	1.00	1.00	1.10	1.13	
96 - 97	41	42	47	64	60	61	1.27	1.12	1.12	1.03	1.10	
97 - 98	47	54	58	59	64	66	1.15	1.12	1.26	1.00	1.23	
98 - 99	42	44	55	60	63	79	1.05	1.02	1.03	1.07	1.13	
99 - 00	41	55	67	46	61	71	1.34	1.52	0.84	1.02	1.18	
00 - 01	41	51	50	73	66	72	1.24	0.91	1.09	1.43	0.97	
01 - 02	33	58	56	54	82	64	1.76	1.10	1.08	1.12	1.10	
02 - 03	15	32	62	59	59	90	2.13	1.07	1.05	1.09	0.95	
03 - 04	26	29	36	57	65	56	1.12	1.13	0.92	1.10	1.12	
04 - 05	30	42	36	44	61	73	1.40	1.24	1.22	1.07	1.44	
05 - 06	36	42	40	44	48	72	0.92	0.98	1.05	0.98	1.12	
06 - 07	13	37	40	44	41	67	1.03	0.85	1.22	0.95	1.10	
06 - 07												
07 - 08	13	36	37	39	38	44	2.38	1.08	1.14	0.95	1.16	
08 - 09	16	31	39	42	37	59	1.25	1.13	1.00	1.07	1.59	
09 - 10	31	20	35	39	45	63	1.10	1.10	1.23	1.21	1.40	
10 - 11	23	34	22	43	47	74	1.26	1.26	1.66	1.40	1.57	
11 - 12	37	29	43	41	60	70	1.00	1.03	1.02	1.10	1.05	
12 - 13	26	41	37	49	50	72	0.92	0.98	1.05	0.98	1.44	
13 - 14	37	24	40	39	48	72	0.92	0.98	1.05	0.98	1.44	
13 - 14	34	39	35	38	41	57	1.05	1.46	0.95	1.05	1.19	

After Redistricting

06 - 07	13	36	37	39	38	44	2.38	1.08	1.14	0.95	1.16
07 - 08	16	31	39	42	37	59	1.25	1.13	1.00	1.07	1.59
08 - 09	31	20	35	39	45	63	1.10	1.10	1.23	1.21	1.40
09 - 10	23	34	22	43	47	74	1.26	1.26	1.66	1.40	1.57
10 - 11	37	29	43	41	60	70	1.00	1.03	1.02	1.10	1.05
11 - 12	26	41	37	49	50	72	0.92	0.98	1.05	0.98	1.44
12 - 13	37	24	40	39	48	72	0.92	0.98	1.05	0.98	1.44
13 - 14	34	39	35	38	41	57	1.05	1.46	0.95	1.05	1.19

TOTAL ELEMENTARY

School Year	CENSUS							October 1 Kindergarten	PROGRESSION RATE			
	< 1 yr old	1 yr old	2 yr old	3 yr old	4 yr old	5 yr old	Age 0 to 1		Age 1 to 2	Age 2 to 3	Age 3 to 4	Age 4 to Kindergarten
80 - 81	180	208	249	213	275	209	1.12	1.03	0.99	1.34	0.77	
81 - 82	175	202	215	247	285	211	1.19	1.14	1.22	1.34	0.74	
82 - 83	234	209	231	262	332	211	1.04	1.12	1.06	1.34	0.80	
83 - 84	223	243	235	244	351	267	1.05	1.06	1.04	1.32	0.77	
84 - 85	237	234	257	244	322	271	1.06	1.13	1.04	1.25	0.80	
85 - 86	271	251	264	268	306	259	0.99	1.06	0.91	1.18	0.89	
86 - 87	253	269	266	239	317	273	1.07	1.04	1.07	1.26	0.94	
87 - 88	285	270	281	285	301	297	1.12	1.13	1.10	1.29	1.01	
88 - 89	258	298	305	309	367	304	1.00	1.00	1.00	1.25	0.93	
89 - 90	141	258	296	305	387	341	2.05	1.02	1.13	1.24	0.91	
90 - 91	226	289	263	336	377	354	1.47	1.06	1.18	1.06	1.00	
91 - 92	270	335	307	310	355	377	1.15	1.13	1.11	1.15	1.03	
92 - 93	242	311	380	341	355	364	1.09	1.04	0.86	1.13	1.07	
93 - 94	259	264	323	364	386	379	1.00	1.00	1.00	1.15	0.98	
94 - 95	170	259	264	323	417	377	1.87	1.34	1.23	1.16	1.03	
95 - 96	260	318	346	324	374	429	1.00	1.00	1.00	1.17	1.10	
96 - 97	241	280	318	346	378	412	1.10	1.06	1.07	1.02	1.01	
97 - 98	267	266	276	341	354	381	1.17	1.14	1.17	1.12	1.17	
98 - 99	261	313	304	323	381	413	1.05	1.02	1.03	1.07	1.06	
99 - 00	241	273	320	313	344	402	1.11	1.11	0.97	1.06	1.15	
00 - 01	252	268	302	309	333	394	1.13	1.12	1.13	1.26	1.15	
01 - 02	147	286	299	340	388	383	1.81	1.08	1.06	1.07	0.90	
02 - 03	146	266	310	316	364	349	1.55	0.97	0.99	0.97	1.11	
03 - 04	129	227	258	308	308	404	1.61	1.18	1.18	1.12	1.15	
04 - 05	170	208	267	305	344	354	1.35	1.06	1.07	1.07	1.17	
05 - 06	181	230	220	285	325	403	1.12	1.11	1.12	1.12	1.18	
06 - 07	64	202	255	247	314	385	1.10	1.23	1.18	1.12	1.25	
06 - 07												
07 - 08	64	202	255	247	314	338	2.70	1.13	1.05	1.03	1.08	
08 - 09	144	173	229	268	254	388	1.32	1.29	1.08	1.07	1.53	
09 - 10	210	190	224	247	286	376	1.11	1.18	1.21	1.17	1.31	
10 - 11	180	234	225	271	290	427	1.23	1.17	1.24	1.15	1.47	
11 - 12	210	222	274	279	313	389	0.97	0.94	0.98	1.03	1.08	
12 - 13	204	235	263	316	340	437	0.94	1.11	1.11	1.12	1.29	
13 - 14	220	191	261	291	355	442	1.10	1.23	1.18	1.12	1.25	
13 - 14	214	243	235	307	325	442						

After Redistricting

06 - 07	64	202	255	247	314	338	2.70	1.13	1.05	1.03	1.08
07 - 08	144	173	229	268	254	388	1.32	1.29	1.08	1.07	1.53
08 - 09	210	190	224	247	286	376	1.11	1.18	1.21	1.17	1.31
09 - 10	180	234	225	271	290	427	1.23	1.17	1.24	1.15	1.47
10 - 11	210	222	274	279	313	389	0.97	0.94	0.98	1.03	1.08
11 - 12	204	235	263	316	340	437	0.94	1.11	1.11	1.12	1.29
12 - 13	220	191	261	291	355	442	1.10	1.23	1.18	1.12	1.25
13 - 14	214	243	235	307	325	442					

Grade 6 Progression by Middle School District

CLARK MIDDLE SCHOOL

School Year	Grade 5			TOTAL	Grade 6	Progression
	Bowman	Bridge	Harrington			
05 - 06	87	102	61	250	250	
06 - 07	81	94	68	243	255	1.02
07 - 08	85	104	65	254	258	1.08
08 - 09	81	108	62	251	238	0.93
09 - 10	76	92	77	245	253	1.01
10 - 11	105	105	76	286	261	1.07
11 - 12	89	94	71	254	297	1.04
12 - 13	88	99	81	268	278	1.09
13 - 14	94	81	69	244	274	1.02

DIAMOND MIDDLE SCHOOL

School Year	Grade 5			TOTAL	Grade 6	Progression
	Estabrook	Fiske	Hastings			
05 - 06	85	78	89	252	280	
06 - 07	90	58	84	230	262	1.04
07 - 08	58	70	75	203	237	1.03
08 - 09	87	79	91	257	229	1.13
09 - 10	73	96	73	242	266	1.04
10 - 11	75	82	84	241	266	1.10
11 - 12	68	101	78	247	250	1.04
12 - 13	91	79	68	238	258	1.04
13 - 14	90	78	75	243	257	1.08

TOTAL

School Year	Grade 5	Grade 6	Progression
05 - 06	502	530	
06 - 07	473	517	1.03
07 - 08	457	495	1.05
08 - 09	508	465	1.02
09 - 10	487	519	1.02
10 - 11	527	527	1.08
11 - 12	501	547	1.04
12 - 13	506	536	1.07
13 - 14	487	531	1.05