




New England School Development Council

Celebrating over sixty years of service to education

TO: Dr. John E. Phelan, Superintendent of Schools

FROM:  Donald G. Kennedy, Ed.D.

DATE: June 8, 2006

RE: **Future Enrollments in Hopkinton**

The purpose of this memo is to provide an additional perspective on future enrollments in the Hopkinton Public Schools.

1. In the fall of 2004, NESDEC prepared a demographic study for the Hopkinton Public Schools. At the time it appeared that school enrollments would continue to rise, thus the enrollment projections through 2014-15 reflected this upward path. Since the Report was issued, several pieces of new data may appear to suggest a different path: the official DPH totals of Hopkinton births for 2003 and 2004 are lower than the town's earlier pattern; Kindergarten enrollments in Fall, 2005 were fewer than expected, in part due to the opening of a new private full-day Kindergarten (a similar downturn for Fall, 2006 is anticipated for the same reason); and, with a pause in sales of Massachusetts real estate, there has been a slowing of in-migration of new residents into the Hopkinton Public Schools.

An aside about estimating the number of births (which are a major factor in projecting future Kindergarten enrollments): Birth data are available both from Town Clerks and from the MA Department of Public Health. Nearby hospitals report births to local Town Clerks and these totals often are published in the annual Town Report. The disadvantage of using this total is that it may omit births from far away locations. (e.g. Boston, out-of-state, etc.) to residents of Hopkinton. The DPH collects data from all sources, including to Hopkinton residents from out-of-state. NESDEC (and most professional demographers) use the official DPH data; its disadvantage is that the state is slow, and will not release its official 2005 birth count until early 2007. Some towns (Sudbury, for example) print 3-4 years worth of birth totals in each annual Town Report...the 2005 Report includes the Town Clerk's total for 2005 as well as the (now official) DPH totals for 2003 and 2004, whereas the 2006 Report will replace the Town Clerk's total for 2005 with the official DPH (larger) total. In Hopkinton, for example, the DPH recorded 5 more births for 2004 than had been reported to the Town Clerk by local hospitals (in some earlier years, the difference was substantially greater, as the number of births in Boston, Cambridge, Worcester, out-of-state, etc. will be few in some years, more in other years).

60th
Anniversary
1946-2006

2. Is the recent (2005-06) downturn, a “pause”...or the beginning of a new trend? It is not possible to answer this question with certainty until more data are available. In January 2007, we will have the 2006-07 school enrollments, a full year of the 2006 real estate/new housing construction data, and an additional year of official DPH birth data. At that time we will update the 2004 Hopkinton demography at no charge.

In the meantime, some estimates of Hopkinton population (and student population) may be of interest. MISER, the U.S. Census Bureau affiliate in MA, in 2003 projected Hopkinton population for 2010 and 2020 (due to issues of funding at UMass, MISER’s role now has been assumed by UMASS’s Donahue Institute). In 2005, the Metropolitan Area Planning Council (MAPC) projected Hopkinton population for 2010, 2020 and 2030. The relevant portions of these MISER and MAPC estimates are included as a chart with this memo. In the second chart, the MISER and MAPC data are roughly regrouped into the age levels reflected at the elementary, middle and high school levels. **Although these are not literally enrollment projections, the MISER and MAPC estimates suggest that the 2005-06 “pause” described above may be just that...a pause, rather than a new downward trend.**

HOPKINTON DATA: A QUICK LOOK

Age Groupings	2000 Census	2010 MISER	2010 MAPC	2020 MISER	2020 MAPC	2030 MAPC
0-4	1323	1213	1208	1438	1327	1414
5-9	1391	1212	1158	1437	1142	1247
10-14	1156	1657	1246	1521	1222	1312
15-19	716	1238	968	1080	958	943

ABOVE DATA REGROUPED*

Age Groupings	2000	2010 MISER	2010 MAPC	2020 MISER	2020 MAPC	2030 MAPC
5-10 (K-5)	1622**	1543	1407	1741	1386	1509
11-13 (Gr 6-8)	694**	994	748	913	733	787
14-17 (Gr 9-12)	661**	1073	830	950	819	828

*Each grouping in the first chart is for five years; these do not match the age groupings of the schools. To obtain a rough total, we can assume that all Kindergarteners are roughly 5 years old, Grade 1 = 6 years, Grade 2 = 7 years, etc. We can also assume that, within a group containing a five-year span of ages, about 20% of the group will be age "a"; 20% age "b", etc. Thus the K-5 elementary group will total approximately all of the age 5-9 group plus 20% of the age 10-14 group (i.e. only the 10-year olds). The re-grouped totals provide a rough estimate of the total number of children, of that age group, expected to reside in Hopkinton. Some of these will not attend the Hopkinton Public Schools. However, we do know the percentages who did attend the HPS in 2000: these were 93.5% of the residents of K-5 age (the others were in private or parochial schools, etc.); 99% of residents in Grades 6-8 attended HPS; and 93.8% of HS-age residents attended HPS. These percentages can be used as multipliers in chart two to obtain a rough extrapolation of HPS students.

MISER Population Projections for Massachusetts, 2000–2020

By

Stefan Rayer,¹ Ph.D.

July 17, 2003

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Mid 2010 and 2020 Projection

County Code	County Name	Town Code	City/Town Name	Sex Code	Sex	Age Group	Age Group	1980 Census	1990 Census	2000 Census	2010 Projection	2020 Projection
17	Middlesex	2501730700	Holliston town	1	Male	3	10-14	699	491	633	584	434
17	Middlesex	2501730700	Holliston town	1	Male	4	15-19	640	491	461	573	321
17	Middlesex	2501730700	Holliston town	1	Male	5	20-24	396	424	222	333	308
17	Middlesex	2501730700	Holliston town	1	Male	6	25-29	459	402	232	253	315
17	Middlesex	2501730700	Holliston town	1	Male	7	30-34	634	572	370	256	385
17	Middlesex	2501730700	Holliston town	1	Male	8	35-39	590	601	618	328	358
17	Middlesex	2501730700	Holliston town	1	Male	9	40-44	402	660	716	424	294
17	Middlesex	2501730700	Holliston town	1	Male	10	45-49	389	508	590	570	303
17	Middlesex	2501730700	Holliston town	1	Male	11	50-54	348	357	543	617	368
17	Middlesex	2501730700	Holliston town	1	Male	12	55-59	214	296	409	469	457
17	Middlesex	2501730700	Holliston town	1	Male	13	60-64	144	261	266	417	480
17	Middlesex	2501730700	Holliston town	1	Male	14	65-69	108	156	200	299	349
17	Middlesex	2501730700	Holliston town	1	Male	15	70-74	70	87	166	173	280
17	Middlesex	2501730700	Holliston town	1	Male	16	75-79	35	54	92	116	181
17	Middlesex	2501730700	Holliston town	1	Male	17	80-84	24	30	50	87	96
17	Middlesex	2501730700	Holliston town	1	Male	18	85-89	12	5	23	24	34
17	Middlesex	2501730700	Holliston town	1	Male	19	90 plus	4	4	6	5	9
17	Middlesex	2501730700	Holliston town	2	Female	1	0-4	436	434	517	360	334
17	Middlesex	2501730700	Holliston town	2	Female	2	5-9	545	497	593	360	333
17	Middlesex	2501730700	Holliston town	2	Female	3	10-14	690	466	589	624	434
17	Middlesex	2501730700	Holliston town	2	Female	4	15-19	569	474	407	497	302
17	Middlesex	2501730700	Holliston town	2	Female	5	20-24	392	405	205	300	317
17	Middlesex	2501730700	Holliston town	2	Female	6	25-29	521	395	250	247	302
17	Middlesex	2501730700	Holliston town	2	Female	7	30-34	703	593	430	262	384
17	Middlesex	2501730700	Holliston town	2	Female	8	35-39	630	654	700	377	372
17	Middlesex	2501730700	Holliston town	2	Female	9	40-44	382	691	742	479	293
17	Middlesex	2501730700	Holliston town	2	Female	10	45-49	384	540	656	649	350
17	Middlesex	2501730700	Holliston town	2	Female	11	50-54	282	322	552	609	394
17	Middlesex	2501730700	Holliston town	2	Female	12	55-59	233	307	449	536	533
17	Middlesex	2501730700	Holliston town	2	Female	13	60-64	153	217	250	427	474
17	Middlesex	2501730700	Holliston town	2	Female	14	65-69	129	168	221	328	397
17	Middlesex	2501730700	Holliston town	2	Female	15	70-74	119	114	181	199	345
17	Middlesex	2501730700	Holliston town	2	Female	16	75-79	94	92	139	171	259
17	Middlesex	2501730700	Holliston town	2	Female	17	80-84	64	80	80	125	142
17	Middlesex	2501730700	Holliston town	2	Female	18	85-89	33	50	48	72	95
17	Middlesex	2501730700	Holliston town	2	Female	19	90 plus	22	27	22	24	40
17	Middlesex	2501731085	Hopkinton town	1	Male	1	0-4	291	411	680	619	734
17	Middlesex	2501731085	Hopkinton town	1	Male	2	5-9	282	412	699	618	733
17	Middlesex	2501731085	Hopkinton town	1	Male	3	10-14	329	316	609	870	793
17	Middlesex	2501731085	Hopkinton town	1	Male	4	15-19	336	239	389	624	552
17	Middlesex	2501731085	Hopkinton town	1	Male	5	20-24	238	243	134	341	488
17	Middlesex	2501731085	Hopkinton town	1	Male	6	25-29	334	332	195	341	546
17	Middlesex	2501731085	Hopkinton town	1	Male	7	30-34	380	430	455	254	648
17	Middlesex	2501731085	Hopkinton town	1	Male	8	35-39	301	535	767	390	683
17	Middlesex	2501731085	Hopkinton town	1	Male	9	40-44	206	500	748	704	393
17	Middlesex	2501731085	Hopkinton town	1	Male	10	45-49	175	344	597	863	438

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County Code	County Name	Town Code	City/Town Name	Sex Code	Sex	Age Group	Age Group	1980 Census	1990 Census	2000 Census	2010 Projection	2020 Projection
17	Middlesex	2501731085	Hopkinton town	1	Male	11	50-54	150	206	490	742	701
17	Middlesex	2501731085	Hopkinton town	1	Male	12	55-59	147	180	292	569	829
17	Middlesex	2501731085	Hopkinton town	1	Male	13	60-64	133	124	161	409	627
17	Middlesex	2501731085	Hopkinton town	1	Male	14	65-69	83	102	130	218	433
17	Middlesex	2501731085	Hopkinton town	1	Male	15	70-74	79	78	87	111	291
17	Middlesex	2501731085	Hopkinton town	1	Male	16	75-79	33	44	76	89	155
17	Middlesex	2501731085	Hopkinton town	1	Male	17	80-84	19	26	51	47	64
17	Middlesex	2501731085	Hopkinton town	1	Male	18	85-89	10	10	17	28	36
17	Middlesex	2501731085	Hopkinton town	1	Male	19	90 plus	3	0	9	8	11
17	Middlesex	2501731085	Hopkinton town	2	Female	1	0-4	283	417	643	594	704
17	Middlesex	2501731085	Hopkinton town	2	Female	2	5-9	295	381	692	594	704
17	Middlesex	2501731085	Hopkinton town	2	Female	3	10-14	319	323	547	787	728
17	Middlesex	2501731085	Hopkinton town	2	Female	4	15-19	273	272	327	614	528
17	Middlesex	2501731085	Hopkinton town	2	Female	5	20-24	245	210	152	307	442
17	Middlesex	2501731085	Hopkinton town	2	Female	6	25-29	349	319	254	343	643
17	Middlesex	2501731085	Hopkinton town	2	Female	7	30-34	372	485	558	353	711
17	Middlesex	2501731085	Hopkinton town	2	Female	8	35-39	269	547	777	504	682
17	Middlesex	2501731085	Hopkinton town	2	Female	9	40-44	208	497	782	813	513
17	Middlesex	2501731085	Hopkinton town	2	Female	10	45-49	150	297	610	855	554
17	Middlesex	2501731085	Hopkinton town	2	Female	11	50-54	172	211	457	757	789
17	Middlesex	2501731085	Hopkinton town	2	Female	12	55-59	162	147	253	558	787
17	Middlesex	2501731085	Hopkinton town	2	Female	13	60-64	147	151	161	377	626
17	Middlesex	2501731085	Hopkinton town	2	Female	14	65-69	89	113	129	201	449
17	Middlesex	2501731085	Hopkinton town	2	Female	15	70-74	100	100	140	128	309
17	Middlesex	2501731085	Hopkinton town	2	Female	16	75-79	61	79	107	120	191
17	Middlesex	2501731085	Hopkinton town	2	Female	17	80-84	62	64	87	108	102
17	Middlesex	2501731085	Hopkinton town	2	Female	18	85-89	17	30	45	58	69
17	Middlesex	2501731085	Hopkinton town	2	Female	19	90 plus	12	16	39	44	58
17	Middlesex	2501731540	Hudson town	1	Male	1	0-4	585	640	596	550	509
17	Middlesex	2501731540	Hudson town	1	Male	2	5-9	632	536	686	546	506
17	Middlesex	2501731540	Hudson town	1	Male	3	10-14	802	529	624	566	512
17	Middlesex	2501731540	Hudson town	1	Male	4	15-19	934	565	541	650	518
17	Middlesex	2501731540	Hudson town	1	Male	5	20-24	686	668	456	526	469
17	Middlesex	2501731540	Hudson town	1	Male	6	25-29	650	880	559	524	629
17	Middlesex	2501731540	Hudson town	1	Male	7	30-34	710	906	766	564	650
17	Middlesex	2501731540	Hudson town	1	Male	8	35-39	511	736	891	597	561
17	Middlesex	2501731540	Hudson town	1	Male	9	40-44	497	650	828	703	520
17	Middlesex	2501731540	Hudson town	1	Male	10	45-49	487	495	671	831	558
17	Middlesex	2501731540	Hudson town	1	Male	11	50-54	414	477	620	782	665
17	Middlesex	2501731540	Hudson town	1	Male	12	55-59	326	401	459	592	740
17	Middlesex	2501731540	Hudson town	1	Male	13	60-64	316	352	373	519	663
17	Middlesex	2501731540	Hudson town	1	Male	14	65-69	182	244	315	363	478
17	Middlesex	2501731540	Hudson town	1	Male	15	70-74	143	213	244	271	387
17	Middlesex	2501731540	Hudson town	1	Male	16	75-79	103	117	159	220	262
17	Middlesex	2501731540	Hudson town	1	Male	17	80-84	57	72	117	141	165
17	Middlesex	2501731540	Hudson town	1	Male	18	85-89	29	31	41	56	85

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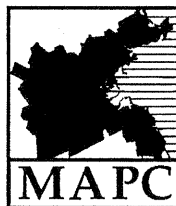
New England School Development Council
Celebrating over fifty years of service to education

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Baseline: Population and Employment Projections 2010-2030

**For use in the 2006 Regional Transportation Plan
and MetroFuture**

August 2005



Metropolitan Area Planning Council

Age	1990	2000	2010	2020	2030
Hopkinton					
00-04	845	1,323	1,208	1,327	1,414
05-09	793	1,391	1,158	1,142	1,247
10-14	626	1,156	1,246	1,222	1,312
15-19	515	716	968	958	943
20-24	457	286	478	487	452
25-29	652	449	453	536	496
30-34	939	1,013	574	675	675
35-39	1,048	1,544	912	885	1,035
40-44	1,002	1,530	1,385	1,154	1,374
45-49	637	1,207	1,647	1,388	1,357
50-54	409	947	1,463	1,514	1,311
55-59	340	545	1,046	1,338	1,178
60-64	265	322	747	1,000	991
65-69	216	259	375	564	682
70-74	183	227	202	339	428
75-79	118	183	177	241	354
80-85	91	138	128	130	223
85+	55	110	98	106	131
Total	9,191	13,346	14,264	15,005	15,602
Hudson					
00-04	1,240	1,192	1,110	1,134	1,163
05-09	1,041	1,266	1,130	1,057	1,104
10-14	1,035	1,196	1,119	979	967
15-19	1,106	1,027	1,137	1,018	939
20-24	1,275	878	1,057	1,021	921
25-29	1,712	1,134	1,082	1,218	1,114
30-34	1,794	1,548	1,152	1,300	1,255
35-39	1,429	1,745	1,421	1,346	1,545
40-44	1,276	1,638	1,558	1,242	1,429
45-49	976	1,345	1,545	1,248	1,165
50-54	931	1,254	1,309	1,162	877
55-59	845	913	1,313	1,527	1,289
60-64	728	763	1,332	1,676	1,604
65-69	603	703	902	1,291	1,494
70-74	507	567	527	854	1,050
75-79	340	433	455	608	899
80-85	223	327	355	341	553
85+	172	184	295	313	381
Total	17,233	18,113	18,797	19,336	19,750

NEW ENGLAND SCHOOL DEVELOPMENT COUNCIL - MARLBOROUGH, MA
 SCHOOL DISTRICT: Hopkinton, MA #3 Revised birth and K-1 data
 DATE: 06/02/06

ENROLLMENT PROJECTIONS BY GRADE*

BIRTH YEAR	BIRTHS	SCHOOL YEAR	Pre-K	K	1	2	3	4	5	6	7	8	9	10	11	12	Ungrad	Pre-K-12 TOTAL
2000	227	2005-06	68	233	244	294	289	305	263	283	271	269	231	246	206	226		3438
2001	233	2006-07	69	240	261	251	298	302	308	264	277	272	254	231	244	205		3476
2002	222	2007-08	70	229	269	269	255	301	305	310	259	278	257	254	229	243		3528
2003	215	2008-09	71	221	256	277	273	258	304	307	304	260	263	257	251	228		3530
2004	180	2009-10	72	185	248	264	281	276	261	306	301	306	246	263	254	250		3513
2005	186	2010-11	73	192	207	255	268	284	279	262	300	303	289	246	260	253		3471
2006	207	2011-12	74	213	215	213	259	271	287	280	257	302	286	289	244	259		3449
2007	207	2012-13	75	213	239	221	216	262	274	288	274	258	285	286	286	243		3420
2008	207	2013-14	76	213	239	246	224	218	265	275	282	275	244	285	283	285		3410
2009	207	2014-15	77	213	239	246	250	226	220	266	270	283	260	244	282	282		3358
2010	207	2015-16	78	213	239	246	250	253	228	221	261	271	267	260	242	281		3310

PROJECTED ENROLLMENTS IN GRADE COMBINATIONS*

SCHOOL YEAR	K-1	2-3	4-5	K-5	K-8	6-8	7-8	7-12	9-12
2005-06	477	593	568	1638	2461	823	540	1449	909
2006-07	501	549	610	1660	2473	813	549	1483	934
2007-08	498	524	606	1628	2475	847	537	1520	983
2008-09	477	550	562	1589	2460	871	564	1563	999
2009-10	433	545	537	1515	2428	913	607	1620	1013
2010-11	399	523	563	1485	2350	865	603	1651	1048
2011-12	428	472	558	1458	2297	839	559	1637	1078
2012-13	452	437	536	1425	2245	820	532	1632	1100
2013-14	452	470	483	1405	2237	832	557	1654	1097
2014-15	452	496	446	1394	2213	819	553	1621	1068
2015-16	452	496	481	1429	2182	753	532	1582	1050

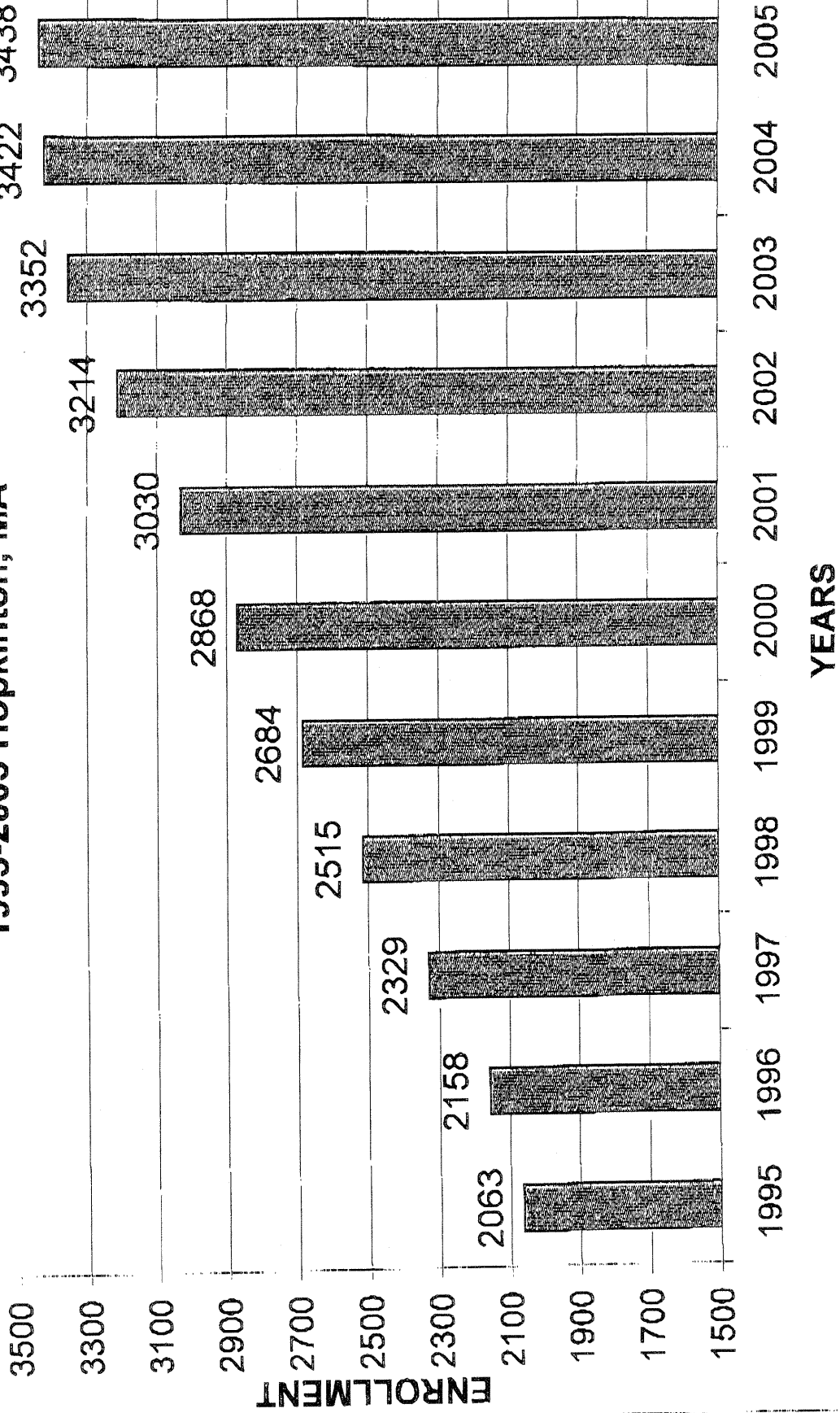
*PROJECTIONS SHOULD BE UPDATED ON AN ANNUAL BASIS

PROJECTED ENROLLMENT DATA
ANNUAL PERCENTAGE CHANGES

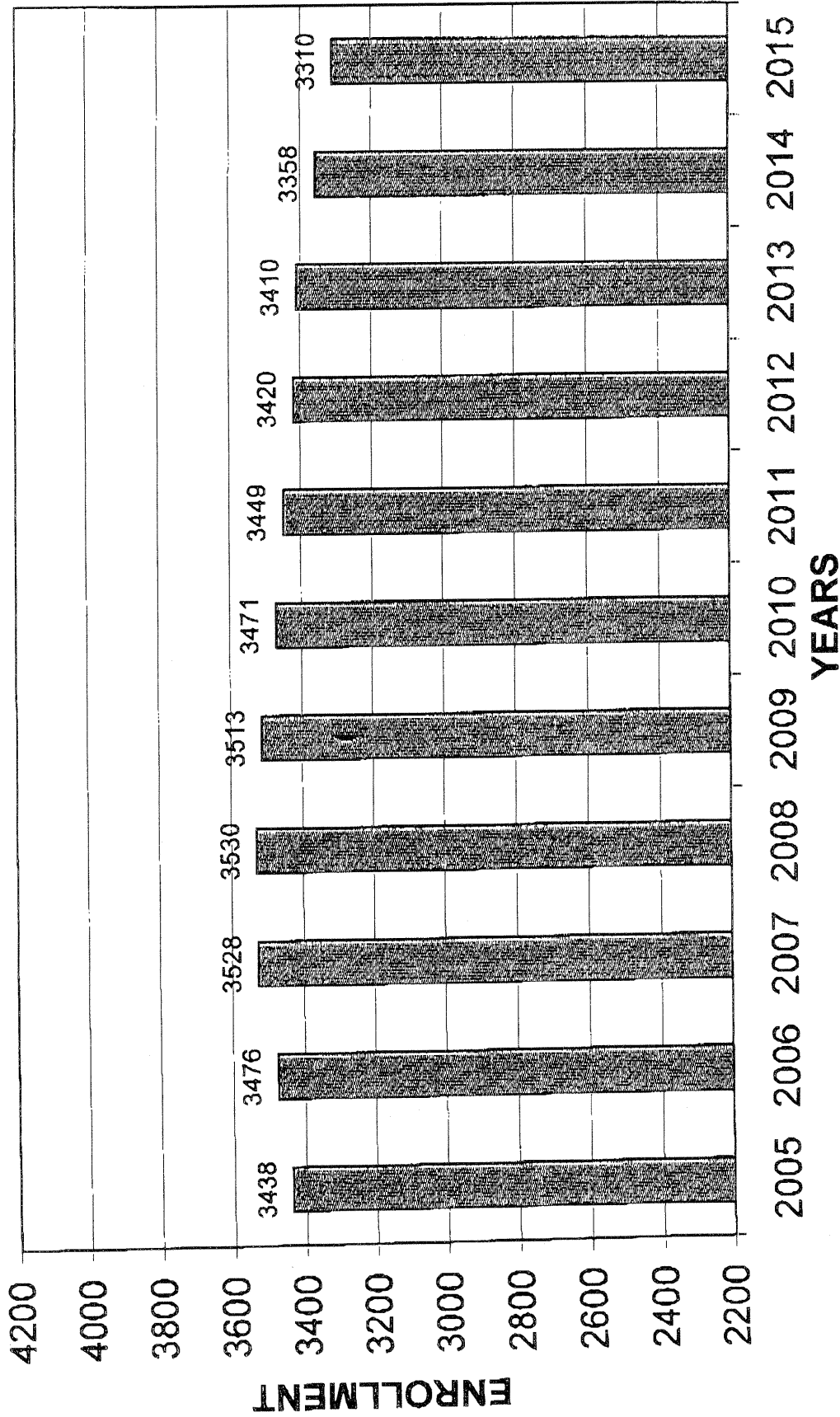
Years	Total	Diff.	%
2005-06	3438		
2006-07	3476	38	1.1%
2007-08	3528	52	1.5%
2008-09	3530	2	0.1%
2009-10	3513	-17	-0.5%
2010-11	3471	-42	-1.2%

TOTAL CHANGE 2005 - 2010 33 1.0%

HISTORICAL ENROLLMENT, Pre-K-12 1995-2005 Hopkinton, MA



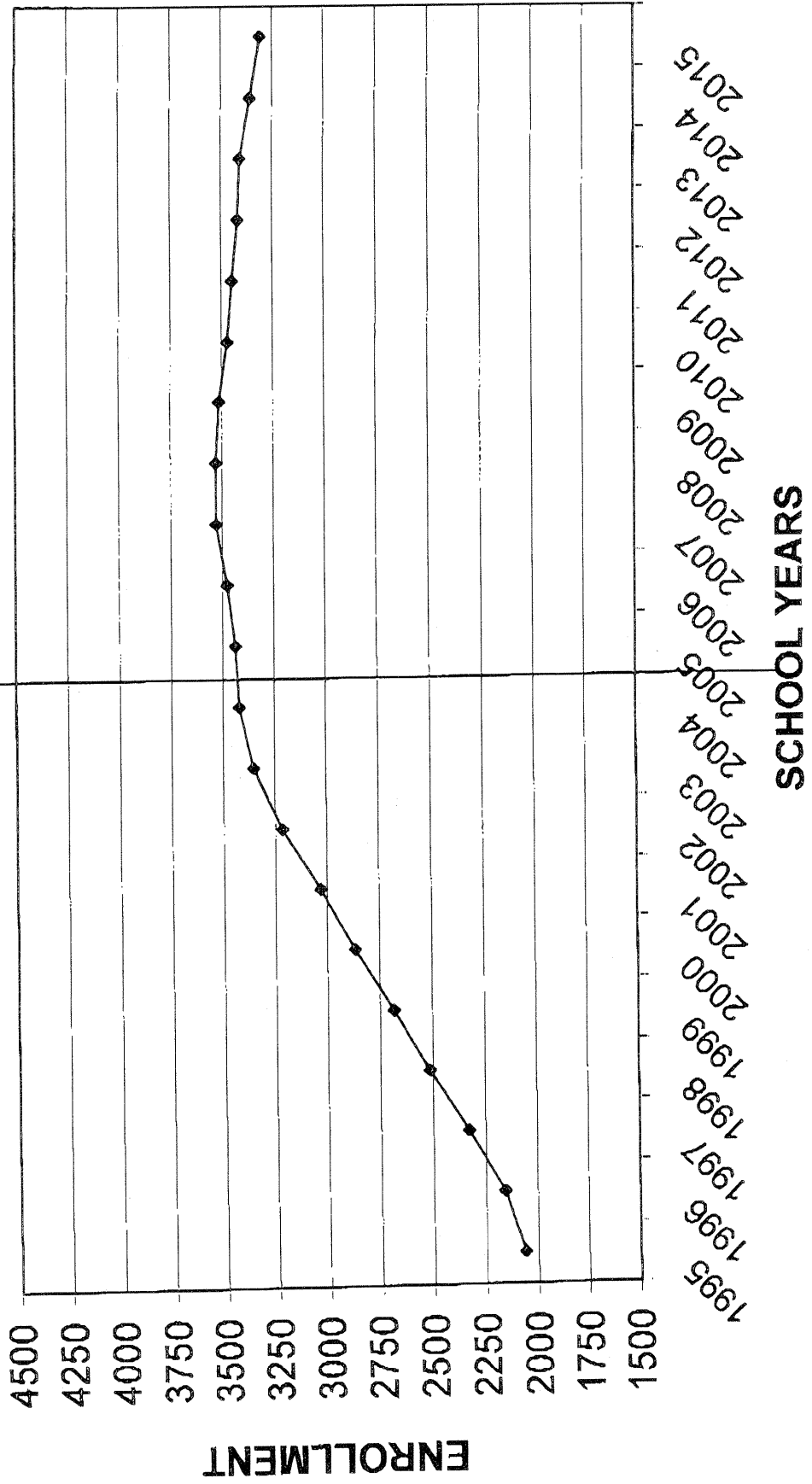
**PROJECTED Pre-K-12 ENROLLMENT THROUGH 2015 BASED ON DATA
FROM SCHOOL YEAR 2005-06 Hopkinton, MA**



HISTORICAL & PROJECTED ENROLLMENTS 1995 TO 2015 Hopkinton, MA

HISTORICAL

PROJECTED



NEW ENGLAND SCHOOL DEVELOPMENT COUNCIL - MARLBOROUGH, MA
 DATE: 06/02/06
 SCHOOL DISTRICT: Hopkinton, MA #3 Revised birth and K-1 data

HISTORICAL ENROLLMENTS BY GRADE

BIRTH YEAR	BIRTHS	SCHOOL YEAR	Pre-K	K	1	2	3	4	5	6	7	8	9	10	11	12	Ungrad	Pre-K-12 TOTAL	K-12 TOTAL
1990	191	1995-96	23	224	208	211	191	182	179	169	152	141	115	98	92	78		2063	
1991	144	1996-97	25	203	232	209	208	191	184	181	169	151	121	110	91	83		2158	
1992	185	1997-98	27	233	213	239	215	215	197	189	184	162	135	118	105	97		2329	
1993	197	1998-99	39	233	255	220	242	215	219	205	195	180	147	134	123	108		2515	
1994	203	1998-00	48	240	258	254	234	241	217	230	207	198	172	136	135	114		2684	
1995	195	2000-01	51	231	260	274	265	234	254	225	236	218	181	168	141	130		2868	
1996	220	2001-02	53	250	253	265	285	269	271	261	221	236	197	184	176	139		3050	
1997	229	2002-03	51	271	286	265	268	288	270	253	258	223	223	206	187	165		3214	
1998	215	2003-04	50	279	283	294	269	271	290	270	245	269	213	229	204	186		3352	
1999	200	2004-05	67	227	296	297	300	267	281	277	271	244	252	213	227	203		3422	
2000	227	2005-06	68	233	244	294	299	305	263	283	271	269	231	246	206	226		3438	

HISTORICAL ENROLLMENTS IN GRADE COMBINATIONS

SCHOOL YEAR	K-1	2-3	4-5	K-5	K-8	8-8	7-8	7-12	9-12
1995-96	432	402	361	1195	1657	462	293	676	383
1996-97	435	417	375	1227	1728	501	320	725	405
1997-98	446	454	412	1312	1847	535	346	801	455
1998-99	488	462	434	1384	1964	580	375	887	512
1999-00	498	488	458	1444	2079	635	405	962	557
2000-01	491	539	488	1518	2197	679	454	1074	620
2001-02	503	550	510	1563	2281	718	457	1153	696
2002-03	557	533	558	1648	2382	734	491	1262	781
2003-04	562	563	561	1686	2470	784	514	1346	832
2004-05	523	597	548	1668	2460	792	515	1410	895
2005-06	477	593	568	1638	2481	823	540	1449	909

HISTORICAL ENROLLMENT DATA ANNUAL PERCENTAGE CHANGES

Year	Total	Diff.	%
1995-96	2063		
1996-97	2158	95	4.6%
1997-98	2329	171	7.9%
1998-99	2515	186	8.0%
1999-00	2684	169	6.7%
2000-01	2868	184	6.9%
2001-02	3030	162	5.6%
2002-03	3214	184	6.1%
2003-04	3352	138	4.3%
2004-05	3422	70	2.1%
2005-06	3438	16	0.5%

TOTAL CHANGE 1995-2005 1375 66.7%