

CYNTHIA D. MAHR
DIRECTOR OF
FINANCE AND OPERATIONS

TO: Cheryl Maloney
Weston School Committee

FROM: Cynthia D. Mahr

DATE: October 19, 2009

RE: 2009-2010 Enrollment Report and Projections

The school year 2009-2010 enrollment report has been divided into three sections. The first section provides the October 1 enrollment data in terms of historical information as well as in relation to previous projections. The second section provides class size data for the middle and high schools. The third section provides historical Weston birth data and census data to develop enrollment projections for future years.

Section I: Enrollment and October 1 Data

Table A: K-12 Enrollment Report

Overall, we are 29 students below our projection and 17 students below the October 1, 2008 count. The significant variances in the projection figures are apparent in Grades K, 3 and 8.

Table B: K-12 Enrollment Report Distribution by Residency

Table C: Trend in Enrollment Distribution by Residency

The majority of the students attending Weston schools are residents, 91.4%. In addition, there are 167 METCO students (7.2%) and 34 children of faculty and staff (1.5%). Over the last 10 years, Weston's enrollment has grown by 117 students. The breakout of this growth includes an additional 130 resident students, an additional 8 METCO students, and a reduction of 21 students of faculty and staff.

Table D: October 1 Fluctuations from Projected Enrollments

Accurate enrollment projections are challenging. The projection method used by Weston is a commonly used method of calculating the ratio of births to Kindergarten enrollments and grade-to-grade ratios over a period of time. The birth data source is the Massachusetts Department of Public Health. Table D summarizes the October 1 fluctuations to the projected enrollments. As previous tables have shown, the current year enrollment was lower than projected by 29 students. The significant variances in the projection figures are apparent in Grades K, 3 and 8. In Kindergarten, the projection was under-projected by 19 students while Grade 3 was under-projected by 8 students. The projections for Grade 8 were over-projected by 11 students.

Table E: Percentage of Weston Resident Children in Private School

In the past, private schools would provide the district with a report listing all town residents in attendance at the school. Districts were then required to file an annual report with the Massachusetts Department of Elementary and Secondary Education in January. In January 2008, the DESE eliminated the local educating authority from the process; simply requiring private schools to report directly to DESE. Therefore, our private school enrollment information is based on the town census data with verification calls to the local private schools with the largest historical enrollment of Weston residents (i.e. Dexter, Rivers, Meadowbrook). This information is used to complete the annual School Attending Report in March. With a later submittal date, the entry of the census data is more complete, and therefore, we have more reliable information.

Historically, Weston's school-aged children enrolled in private schools range between 14.5% and 18.6% of total enrollments. These numbers do not reflect the special education students in residential placements. In school year 2008-2009, 18.6% of Weston resident children were enrolled in private school.

Section II: Middle and High School Class Size Review

Table F: Course Sections Above 25 and Under 12 in Size

Based on a review of the Middle and High Schools course selection list as of September 23, 2009, a number of courses have enrollments in excess of 25 students and a few courses with less than 12 students.

At the High School, there are no core courses with enrollment in excess of 25 students. Similar to past years' data, many of the music sections, such as concert band and chorus, are by the nature of the discipline, larger than the twenty-five guideline cap. The High School has 3 core courses and 5 electives with an enrollment under 12 students.

The Middle School courses in excess of 25 students are reflected in various courses across many disciplines (music, health/physical education and math). There are 2 core courses and 19 electives with an enrollment exceeding 25 students. The Middle School has 7 electives with an enrollment of 12 students or less as indicated in Table F.

Due to the nature of smaller classes in special education and topic courses, these courses were not included in the analysis.

Table G: Middle School Section Size Distribution

Table H: High School Section Size Distribution

Tables G and H analyze the class size of the core subject areas in the Middle and High Schools.

Table G analyzes the section size distribution for the Middle School. English, Social Studies, Math and Science have similar ranges in both the number of sections and size of sections. These range from 12 to 28 students per section. In addition, the World Language conducts more classes with 17 or fewer students than the other core subjects.

Table H analyzes the section size distribution for the High School. The High School distribution is similar to the Middle School. For instance, the High School courses range from 11 to 25 students per section.

The mean and median calculations are shown on both Table G and H. Table I provides a historical view of these calculations.

Table I: Section Size Statistics for Certain Departments (Middle and High School)

Table I provides the statistical data referred to in Tables G and H. The table provides historical class size ranges and mean and median calculations for the Middle and High Schools from school year 2000-2001 through the present. As the table indicates, the historical data has been consistent. Median values range from 19 to 22 over the past two years. The mean values range from 18.22 to 21.6 over the same time period.

Section III: Enrollment Projections

Table J: Census and Birth Data

Table J examines the various attributes contributing to the enrollment projection. The first chart is titled Census of Residents Age 0 – 5 as of January 1. This information is provided by the Town Clerk’s Office on an annual basis. Based on the census figures, the overall population of pre-Kindergarten aged children in Weston has steadily declined over the past eight years (slight increase in 2008).

The second table provides historical data on the total number of births by Weston residents from 1988 to the present as reported by the Massachusetts Department of Public Health (DPH).

Table K: K-12 Enrollment History and Projections as of October 1, 2009

Table K details the enrollment projection methodology. This spreadsheet calculates the ratio of Weston birth data to actual kindergarten enrollments from school year 1993-1994 through the present. The birth data is provided by an annual report published by the Massachusetts Department of Public Health (DPH). Three ratios are then developed: 10-year, 5-year and 3-year for all grades based on average grade retention ratios. Below is a summary of the ratios:

Grade	10-Year Average Enrollment Ratio	5-Year Average Enrollment Ratio	3-Year Average Enrollment Ratio
K	1.44	1.48	1.54
1	1.09	1.11	1.17
2	1.04	1.05	0.98
3	1.04	1.07	1.09
4	1.01	1.02	1.03
5	1.02	1.02	1.03
6	1.00	1.00	1.06
7	0.99	0.99	0.97
8	1.00	1.00	1.01
9	0.93	0.93	0.91
10	0.97	1.01	1.00
11	0.94	0.99	0.98
12	0.96	0.97	1.00

Based on the quality of education provided by the Weston Public Schools, families are apt to move into town when their children reach school age. The 2010-2011 enrollment projections are based on the 3-year average ratio. With the current state of the economy, I believe the 3-year average would more reflect what we should expect to see for enrollments over the next few years.

Table K reflects an overall enrollment projection of 2,297 or a decrease of 35 students. This is largely due to the Kindergarten enrollment projection of 116.

As discussed in the introduction, there are other attributes that impact enrollments. Additional information about this topic will be discussed below.

Additional Information

Table L: Actual SY09-10 Resident Enrollment versus NESDEC Projections

As part of the Field School Feasibility, we contracted with the New England School Development Council (NESDEC) to conduct a long-range demographic and enrollment projection. NESDEC provided the District with an enrollment projection for residents only. In September 2009, NESDEC provided Weston with an updated projection.

Table N provides a review of the actual resident data versus the revised NESDEC projection. As this table indicates, the NESDEC projection was slightly higher than the actual enrollment of residents as of October 1, 2009 by 13 students.

Summary

In summary, the school year 2009-2010 enrollments reflect an overall decrease in the number of students attending Weston Public Schools of 17 students.

The school year 2010-2011 enrollment projection is 2,306 students in Kindergarten through Grade 12. This represents a decrease of 26 students from the October 1, 2009 count. The Kindergarten projection is 125 students. This represents a decrease of 12 students from the current enrollment of 137 students.

I look forward to discussing this with you and providing additional information as needed. Thank you.

RECOMMENDED ACTION: That the Weston School Committee receive the 2009-2010 Enrollment Report and vote to adopt Table K: K-12 Enrollment History and Projection for the Fiscal Year 2011 budgeting purposes.

Attachments

Cc: Amber Bock, Asst. Superintendent

K-12 Enrollment Report
Based on October 1, 2009 Enrollments

Grade	2008-09 Actual	2009-10 Projected	2009-10 Actual as of October 1, 2009	Difference from Projection	% Difference from Projection	Projected Cohort Change	Actual Cohort Change	2009-10 Class Size Avg	Class Size Range	Class Size Target
K	155	156	137	(19)	-12.2%			17.1	17 - 21	19
1	156	166	167	1	0.6%	11	12	20.9	17 - 21	19
2	188	162	159	(3)	-1.9%	6	3	19.9	18 - 22	20
3	163	198	190	(8)	-4.0%	10	2	21.1	18 - 22	20
Sub-total	662	682	653	(29)	-4.3%					
4	189	163	165	2	1.2%	0	2	20.6	20 - 24	22
5	201	190	184	(6)	-3.2%	1	(5)	20.4	20 - 24	22
Sub-total	390	353	349	(4)	-1.1%					
K-5 Total	1,052	1,035	1,002	(33)	-3.2%					
6	186	202	205	3	1.5%	1	4	20.5		
7	217	188	186	(2)	-1.1%	2	0	20.7		
8	183	216	227	11	5.1%	(1)	10	22.7		
MS Total	586	606	618	12	2.0%					
9	179	179	178	(1)	-0.6%	(4)	(5)			
10	185	180	177	(3)	-1.7%	1	(2)			
11	178	183	182	(1)	-0.5%	(2)	(3)			
12	169	178	175	(3)	-1.7%	0	(3)			
HS Total	711	720	712	(8)	-1.1%					
Grade 6 - Grade 12 Total	1,297	1,326	1,330	4	0.3%					
Grade K - Grade 12 Total	2,349	2,361	2,332	(29)	-1.2%					

Elementary Breakout	K	1	2	3	Total
Country	68	85	81	103	337
Woodland	69	82	78	87	316
Total	137	167	159	190	653

K-12 Enrollment Report
Based on October 1, 2009 Enrollments
Distribution by Residency

Grade	2009-10 Actual as of October 1, 2009	Residents	Exchange	Percent Residents and Exchange	METCO	Percent METCO	Children of Faculty & Staff	Percent Faculty & Staff
K	137	117	0	85.4%	14	10.2%	6	4.4%
1	167	153	0	91.6%	13	7.8%	1	0.6%
2	159	140	0	88.1%	15	9.4%	4	2.5%
3	190	177	0	93.2%	13	6.8%	0	0.0%
Sub-total	653	587	0	89.9%	55	8.4%	11	1.7%
4	165	145	0	87.9%	17	10.3%	3	1.8%
5	184	167	0	90.8%	15	8.2%	2	1.1%
Sub-total	349	312	0	89.4%	32	9.2%	5	1.4%
K-5 Total	1,002	899	0	89.7%	87	8.7%	16	1.6%
6	205	193	0	94.1%	11	5.4%	1	0.5%
7	186	172	0	92.5%	12	6.5%	2	1.1%
8	227	204	0	89.9%	20	8.8%	3	1.3%
MS Total	618	569	0	92.1%	43	7.0%	6	1.0%
9	178	164	0	92.1%	12	6.7%	2	1.1%
10	177	162	0	91.5%	11	6.2%	4	2.3%
11	182	170	0	93.4%	7	3.8%	5	2.7%
12	175	167	0	95.4%	7	4.0%	1	0.6%
HS Total	712	663	0	93.1%	37	5.2%	12	1.7%
6-12 Total	1,330	1,232	0	92.6%	80	6.0%	18	1.4%
K-12 Total	2,332	2,131	0	91.4%	167	7.2%	34	1.5%

Weston Public Schools
Weston, Massachusetts

Enrollment Report
Table C

Trend in Enrollment Distribution by Residency as of October 1, 2009

	Elementary Schools			Middle School			High School			Totals			Total Students
	Residents	Metco	Faculty & Staff Children	Residents	Metco	Faculty & Staff Children	Residents	Metco	Faculty & Staff Children	Total Residents	Total Metco	Faculty & Staff Children	
1999-00 #	1,004	81	22	490	40	15	454	35	8	1,948	156	45	2,149
%	90.7%	7.3%	2.0%	89.9%	7.3%	2.8%	91.3%	7.0%	1.6%	90.6%	7.3%	2.1%	
2000-01 #	1,007	83	24	500	40	18	494	36	13	2,001	159	55	2,215
%	90.4%	7.5%	2.2%	89.6%	7.2%	3.2%	91.0%	6.6%	2.4%	90.3%	7.2%	2.5%	
2001-02 #	1,011	80	21	498	41	20	526	39	18	2,035	160	59	2,254
%	90.9%	7.2%	1.9%	89.1%	7.3%	3.6%	90.2%	6.7%	3.1%	90.3%	7.1%	2.6%	
2002-03 #	981	81	19	523	41	18	577	36	21	2,081	158	58	2,297
%	90.7%	7.5%	1.8%	89.9%	7.0%	3.1%	91.0%	5.7%	3.3%	90.6%	6.9%	2.5%	
2003-04 #	998	82	17	515	37	15	603	39	22	2,116	158	54	2,328
%	91.0%	7.5%	1.5%	90.8%	6.5%	2.6%	90.8%	5.9%	3.3%	90.9%	6.8%	2.3%	
2004-05 #	974	89	14	521	28	11	613	42	27	2,108	159	52	2,319
%	90.4%	8.3%	1.3%	93.0%	5.0%	2.0%	89.9%	6.2%	4.0%	90.9%	6.9%	2.2%	
2005-06 #	969	89	12	501	29	13	624	41	21	2,094	159	46	2,299
%	90.6%	8.3%	1.1%	92.3%	5.3%	2.4%	91.0%	6.0%	3.1%	91.1%	6.9%	2.0%	
2006-07 #	981	96	13	503	31	11	652	40	18	2,136	167	42	2,345
%	90.0%	8.8%	1.2%	92.3%	5.7%	2.0%	91.8%	5.6%	2.5%	91.1%	7.1%	1.8%	
2007-08 #	956	88	14	532	43	8	669	35	18	2,157	166	40	2,363
%	90.4%	8.3%	1.3%	91.3%	7.4%	1.4%	92.7%	4.8%	2.5%	91.3%	7.0%	1.7%	
2008-09 #	954	87	11	535	45	6	663	33	15	2,152	165	32	2,349
%	90.7%	8.3%	1.0%	91.3%	7.7%	1.0%	93.2%	4.6%	2.1%	91.6%	7.0%	1.4%	
2009-10 #	899	87	16	569	43	6	663	37	12	2,131	167	34	2,332
%	89.7%	8.7%	1.6%	92.1%	7.0%	1.0%	93.1%	5.2%	1.7%	91.4%	7.2%	1.5%	

Weston Public Schools
Weston, Massachusetts

Enrollment Report
Table D

October 1 Fluctuations From Projected Enrollments

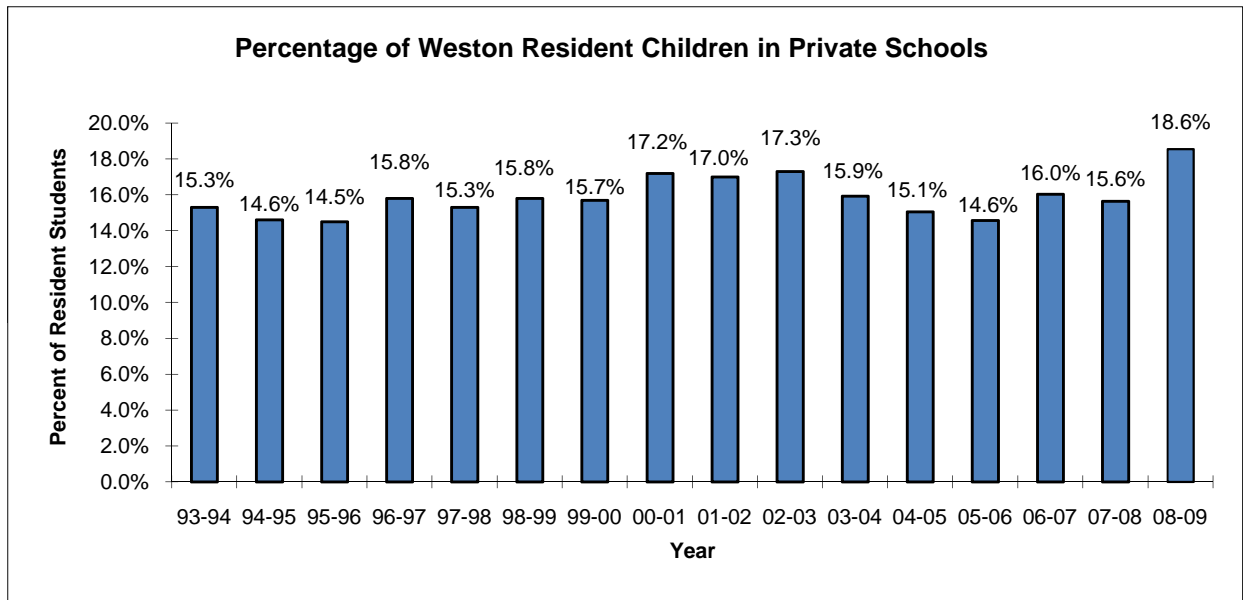
GRADE	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean Diff (Regardless of Sign)	2009	Years Over	Years Even	Years Under
K	(3)	21	(28)	(21)	(11)	46	(2)	(6)	16	(27)	0	1	(2)	8	(3)	(9)	(30)	(17)	16	(5)	20	(17)	22	14.6	(19)	8	1	15
1	(10)	(8)	2	9	7	0	17	0	2	(1)	(8)	(3)	1	1	1	1	(5)	6	(3)	0	0	4	3	3.9	1	13	4	7
2	(2)	(10)	(2)	(3)	(2)	18	(1)	(8)	(6)	(4)	2	15	9	(10)	(3)	(12)	(1)	14	1	8	(5)	(5)	0	6.0	(3)	7	1	16
3	(2)	(3)	1	6	6	13	(4)	2	(11)	(6)	1	10	(1)	0	(3)	(4)	(17)	2	1	3	12	6	1	5.1	(8)	13	1	10
4	(9)	0	4	(6)	3	6	0	(8)	(2)	2	(1)	12	(4)	0	1	(5)	1	(1)	(9)	1	(4)	4	(6)	3.8	2	10	3	11
5	2	0	1	(3)	2	6	(3)	(3)	2	1	(1)	3	2	3	(2)	(5)	1	1	(6)	(3)	7	6	(10)	3.3	(6)	13	1	10
K - 5	(24)	0	(22)	(18)	5	89	7	(23)	1	(35)	(7)	38	5	2	(9)	(34)	(51)	5	0	4	30	(2)	10	18.9	(33)	11	2	11
6	3	4	(5)	(1)	(5)	2	4	(8)	3	1	(1)	(3)	(1)	(3)	2	(4)	(3)	(7)	2	10	(1)	5	(6)	3.6	3	11	0	13
7	2	0	3	(5)	0	5	(11)	5	10	0	(5)	3	(6)	(5)	(3)	(5)	5	1	1	(8)	9	4	(3)	4.2	(2)	11	3	10
8	(1)	(4)	(1)	(6)	0	2	5	1	0	1	0	4	3	(1)	1	(7)	5	2	(6)	2	(3)	2	(1)	2.9	11	12	3	9
6 - 8	4	0	(3)	(12)	(5)	9	(2)	(2)	13	2	(6)	4	(4)	(9)	0	(16)	7	(4)	(3)	4	5	11	(10)	6.1	12	10	2	12
9	(9)	2	6	(7)	1	6	5	(3)	6	(2)	(12)	(19)	(8)	20	0	1	(2)	(2)	(4)	(3)	12	12	(7)	6.3	(1)	10	1	13
10	(9)	(1)	2	(2)	6	6	(5)	(5)	0	(7)	0	9	3	(5)	3	(5)	6	(7)	1	9	(1)	3	(2)	4.2	(3)	10	2	12
11	1	9	(13)	(2)	7	0	(2)	(2)	10	1	1	(11)	(2)	6	1	(3)	(4)	(4)	4	(4)	2	5	(4)	4.1	(1)	11	1	12
12	2	3	7	3	2	(3)	(4)	1	5	(3)	(2)	(1)	2	(5)	5	7	2	(1)	(1)	0	3	0	(3)	2.8	(3)	12	2	10
9 - 12	(15)	13	2	(8)	16	9	(6)	(9)	21	(11)	(13)	(22)	(5)	16	9	0	2	(14)	0	2	16	20	(16)	10.5	(8)	11	2	11
K - 12	(35)	13	(23)	(38)	16	107	(1)	(34)	35	(44)	(26)	20	(4)	9	0	(50)	(42)	(13)	(3)	10	51	29	(16)	26.9	(29)	9	1	14

Negative numbers represent the actual enrollment was under projected

Positive numbers represent the actual enrollment was over projected

Percentage of Weston Resident Children in Private Schools
(as of October 1, 2009)

Year	Percentage
93-94	15.3%
94-95	14.6%
95-96	14.5%
96-97	15.8%
97-98	15.3%
98-99	15.8%
99-00	15.7%
00-01	17.2%
01-02	17.0%
02-03	17.3%
03-04	15.9%
04-05	15.1%
05-06	14.6%
06-07	16.0%
07-08	15.6%
08-09	18.6%



Course Sections Above 25 and Under 12 in Size

Classes Over 25 as of Sept. 23, 2009

Core Courses

HS			
 <u>Electives</u>			
HS	77501 Orchestra	(1 of 1)	32
	78502 Chorus	(1 of 3)	48
	78503 Chorus	(1 of 3)	48
	78501 Chorus	(1 of 3)	48
	79501 Con Choir	(1 of 1)	49
	77101 Wind Ensemb	(1 of 1)	66
	77002 Con Band	(1 of 2)	70

Classes Over 25 as of Sept. 23, 2009

Core Courses

MS	17101 Honors Math	(1 of 3)	28
	17103 Honors Math	(1 of 3)	27

Electives

MS	77107 Health 7	(1 of 10)	26
	77113 Health 7	(1 of 10)	27
	77005 PE 7	(1 of 9)	26
	77007 PE 7	(1 of 9)	27
	78002 PE 8	(1 of 11)	27
	78004 PE 8	(1 of 11)	28
	78001 PE 8	(1 of 11)	32
	78003 PE 8	(1 of 11)	32
	89202 Found Sound	(1 of 3)	26
	90001 Madrigals	(1 of 1)	49
	90101 Chorus 6	(1 of 1)	51
	90201 Chorus 8	(1 of 1)	95
	90301 Chorus 7	(1 of 1)	62
	90401 Band 8	(1 of 1)	53
	90501 Band 7	(1 of 1)	57
	90601 Jazz Band	(1 of 1)	26
	90701 Orch 7/8	(1 of 1)	44
	90801 Band 6	(1 of 1)	60
	90901 Str. Orch 6	(1 of 1)	27

Under 12 as of Sept. 23, 2009

Core Course

HS	62502 Fr Int I	(1 of 2)	11
	62902 Fren Int II	(1 of 2)	11
	65201 Latin III	(1 of 2)	11

Electives

HS	71002 Video Pr I	(1 of 5)	8
	71005 Video Pr I	(1 of 5)	10
	71001 Video Pr I	(1 of 5)	10
	75601 Act III/IV	(1 of 1)	10
	71101 Video Pr II	(1 of 2)	11

Under 12 as of Sept. 23, 2009

Core Courses

MS			
 <u>Electives</u>			
MS	76109 Health 6	(1 of 11)	11
	77108 Health 7	(1 of 10)	11
	77010 PE 7	(1 of 9)	11
	88202 Act/Imp	(1 of 7)	10
	88403 Des/Con	(1 of 7)	11
	88407 Des/Con	(1 of 7)	11
	88603 Dig Phot 8	(1 of 8)	11

** The data above does not include special education or topic classes which range from 1-13 students.

Middle School Section Size Distribution
Based on October 1, 2009 Enrollments

Department	Section Size	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	No. of Sections																								
MS English	1																								
Mean: 20.90	2																								
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
	10																								
MS Social Studies	1																								
Mean: 21.07	2																								
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
MS Mathematics	1																								
Mean: 20.37	2																								
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
MS Science	1																								
Mean: 21.24	2																								
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
MS World Lang	1																								
Mean: 19.11	2																								
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
	Median																								

Weston High School Section Size Distribution
Based on October 1, 2009 Enrollments

Department	Section Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	No. of Sections																												
HS English	1																												
Mean: 20.17	2																												
	3																												
	4																												
	5																												
	6																												
	7																												
	8																												
	9																												
	10																												
	11																												
	12																												
HS Social Studies	1																												
Mean: 20.57	2																												
	3																												
	4																												
	5																												
	6																												
	7																												
	8																												
	9																												
HS Mathematics	1																												
Mean: 18.58	2																												
	3																												
	4																												
	5																												
	6																												
	7																												
	8																												
	9																												
	10																												
HS Science	1																												
Mean: 19.39	2																												
	3																												
	4																												
	5																												
	6																												
	7																												
	8																												
	9																												
HS World Languages	1																												
Mean: 18.22	2																												
	3																												
	4																												
	5																												
	6																												
	7																												
	8																												
	9																												
	Median																												

Section Size Statistics for Certain Departments
Middle School and High School

Based on October 1, 2009 Enrollments

	00-01 Range	00-01 Median	00-01 Mean	01-02 Range	01-02 Median	01-02 Mean	02-03 Range	02-03 Median	02-03 Mean	03-04 Range	03-04 Median	03-04 Mean	04-05 Range	04-05 Median	04-05 Mean
Middle School:															
English	17 to 26	22	22.0	13 to 26	21	21.2	13 to 26	22	21.3	15 to 24	21	20.4	14 to 24	21	20.7
Social Studies	17 to 26	23	22.3	13 to 26	22	21.5	12 to 27	22	21.2	14 to 24	21	20.9	15 to 24	20	20.1
Mathematics	12 to 25	21	20.6	12 to 26	21	20.5	9 to 27	21	20.6	12 to 24	20	20	9 to 35	21	18.5
World Language	11 to 27	20	19.3	8 to 28	19	18.5	11 to 26	22	18.3	14 to 28	20	20	14 to 29	21	19.7
Science	16 to 26	23	22.3	17 to 25	22	21.5	14 to 25	23	21.3	17 to 24	21	20.7	15 to 25	21	20.6

	00-01 Range	00-01 Median	00-01 Mean	01-02 Range	01-02 Median	01-02 Mean	02-03 Range	02-03 Median	02-03 Mean	03-04 Range	03-04 Median	03-04 Mean	04-05 Range	04-05 Median	04-05 Mean
High School:															
English	10 to 27	21	19.8	4 to 26	20	19.5	12 to 28	21	20.4	4 to 25	21	19.7	11 to 25	23	21.7
Social Studies	6 to 26	23	21.9	15 to 26	21	20.4	6 to 25	21	20	10 to 25	22	20.6	6 to 26	23	20.3
Mathematics	8 to 25	20	18.7	10 to 25	19	18.3	10 to 25	18	18.7	9 to 25	20	19.1	8 to 27	21	19.4
World Languages	13 to 27	20	19.8	9 to 25	19	17.9	9 to 25	17	17.9	8 to 24	18	18.2	9 to 25	18	18.1
Science	11 to 24	21	20.4	9 to 24	21	20	12 to 24	21	20.3	7 to 24	20	19.1	14 to 24	20	18.8

	05-06 Range	05-06 Median	05-06 Mean	06-07 Range	06-07 Median	06-07 Mean	07-08 Range	07-08 Median	07-08 Mean	08-09 Range	08-09 Median	08-09 Mean	09-10 Range	09-10 Median	09-10 Mean
Middle School:															
English	16 to 24	21	20.9	16 to 25	21	21.7	17 to 25	23	22.1	17 to 25	21	21.3	15 to 24	22	20.9
Social Studies	17 to 25	21	20.7	16 to 26	21	21.7	15 to 25	22	22	16 to 26	22	21.4	17 to 24	21	21.07
Mathematics	9 to 26	19	18.5	15 to 26	19	20.6	14 to 24	22	21.2	11 to 26	20	20.1	15 to 24	20	20.37
World Language	10 to 28	21	20.0	8 to 25	21	17.5	10 to 28	17	18.1	9 to 27	20	19.7	12 to 25	19	19.11
Science	17 to 24	21	20.9	16 to 24	21	21.7	20 to 25	22	22.4	17 to 25	22	21.6	14 to 28	22	21.24

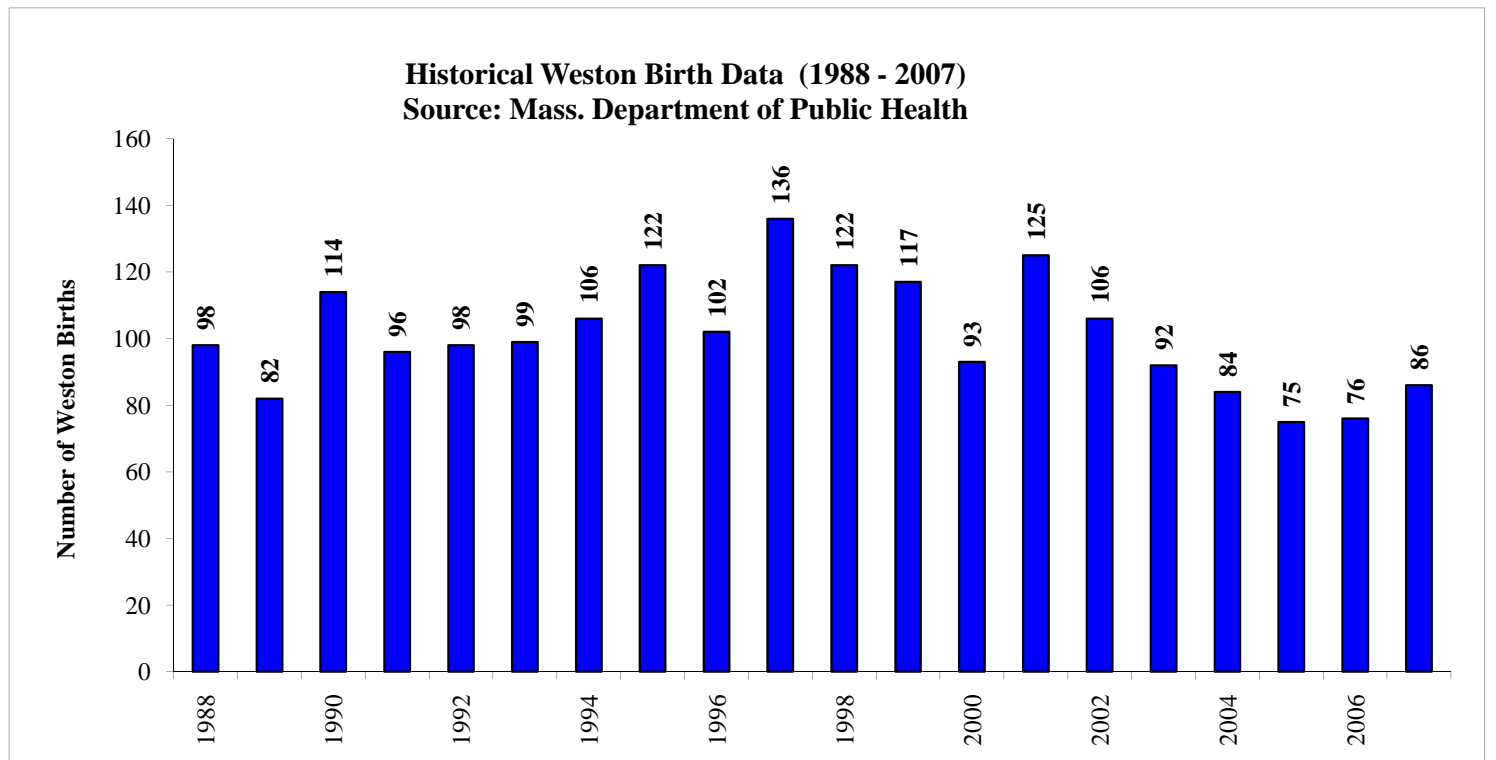
	05-06 Range	05-06 Median	05-06 Mean	06-07 Range	06-07 Median	06-07 Mean	07-08 Range	07-08 Median	07-08 Mean	08-09 Range	08-09 Median	08-09 Mean	09-10 Range	09-10 Median	09-10 Mean
High School:															
English	11 to 26	21	20.3	10 to 25	21	20.3	13 to 25	22	21.1	8 to 25	22	20.6	13 to 24	20	20.17
Social Studies	8 to 25	21	20.0	10 to 25	21	20.8	11 to 25	22	20.8	9 to 26	21	19.8	13 to 25	21	20.57
Mathematics	8 to 27	19	18.6	5 to 25	19	18.5	10 to 25	20	19.3	10 to 25	20	18.9	12 to 24	19	18.58
World Languages	7 to 25	20	18.3	8 to 25	20	18.6	10 to 27	20	19.2	9 to 26	19	18.4	11 to 24	19	18.22
Science	7 to 24	21	20.0	11 to 24	21	20.7	11 to 25	21	20.6	12 to 25	20	20.1	13 to 24	21	19.39

Weston Public Schools
Weston, Massachusetts

Enrollment Report
Table J

Census of Residents Age 0- 5 as of January 1
Source: Weston Town Clerk's Office

BIRTH YEAR	CENSUS YEAR, JANUARY OF													
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
1991	129													
1992	150	169												
1993	128	134	160											
1994	120	127	135	153										
1995	134	137	144	152	173									
1996		103	113	121	145	156								
1997			133	144	157	187	187							
1998				119	141	163	170	177						
1999					119	135	143	145	161					
2000						100	105	117	119	138				
2001							121	127	140	157	166			
2002								98	106	116	132	129		
2003									90	98	111	119	139	
2004										92	103	104	126	131
2005											68	77	101	106
2006												67	90	98
2007													76	97
2008														55
TOTALS	661	670	685	689	735	741	726	664	616	601	580	496	532	487



Weston Public Schools
Weston, Massachusetts

Enrollment Report
Table K

10 Year Ratio

5 Year Ratio

3 Year Ratio

Year	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	10 Year Average Ratios	5 Year Average Ratio	3 Year Average Ratio
Weston Birth Data	98	82	114	96	98	99	106	122	102	136	122	117	93	125	106	92	84			
School Year	1993/94	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10			
Grade K	147	156	156	159	167	168	177	172	181	160	166	167	138	171	141	155	137			
Grade K: Birth Data	1.500	1.902	1.368	1.656	1.704	1.697	1.670	1.410	1.775	1.176	1.361	1.427	1.484	1.368	1.330	1.685	1.631	1.44	1.48	1.54
Grade 1	167	159	166	160	166	176	177	186	181	185	173	172	175	146	183	156	167			
Grade 1: Grade K		1.082	1.064	1.026	1.044	1.054	1.054	1.051	1.052	1.022	1.081	1.036	1.048	1.058	1.070	1.106	1.077	1.09	1.11	1.17
Grade 2	176	166	159	173	177	181	177	183	182	184	201	180	187	180	151	188	159			
Grade 2: Grade 1		0.994	1.000	1.042	1.106	1.090	1.006	1.034	0.978	1.017	1.086	1.040	1.087	1.029	1.034	1.027	1.019	1.04	1.05	0.98
Grade 3	124	178	169	165	188	184	189	183	187	171	188	203	183	200	191	163	190			
Grade 3: Grade 2		1.011	1.018	1.038	1.087	1.040	1.044	1.034	1.022	0.940	1.022	1.010	1.017	1.070	1.061	1.079	1.011	1.04	1.07	1.09
Grade 4	123	125	184	174	180	190	191	197	185	193	175	184	206	181	204	189	165			
Grade 4: Grade 3		1.008	1.034	1.030	1.091	1.011	1.038	1.042	1.011	1.032	1.023	0.979	1.015	0.989	1.020	0.990	1.012	1.01	1.02	1.03
Grade 5	130	126	128	185	178	184	196	193	196	188	196	171	181	212	188	201	184			
Grade 5: Grade 4		1.024	1.024	1.005	1.023	1.022	1.032	1.010	0.995	1.016	1.016	0.977	0.984	1.029	1.039	0.985	0.974	1.02	1.02	1.03
Grade 6	140	136	130	130	185	179	183	198	190	192	179	194	177	179	216	186	205			
Grade 6: Grade 5		1.046	1.032	1.016	1.000	1.006	0.995	1.010	0.984	0.980	0.952	0.990	1.035	0.989	1.019	0.989	1.020	1.00	1.00	1.06
Grade 7	133	152	141	130	137	185	177	181	193	193	192	179	186	183	183	217	186			
Grade 7: Grade 6		1.086	1.037	1.000	1.054	1.000	0.989	0.989	0.975	1.016	1.000	1.000	0.959	1.034	1.022	1.005	1.000	0.99	0.99	0.97
Grade 8	104	131	151	140	133	140	185	179	176	197	196	187	180	183	184	183	227			
Grade 8: Grade 7		0.985	0.993	0.993	1.023	1.022	1.000	1.011	0.972	1.021	1.016	0.974	1.006	0.984	1.005	1.000	1.046	1.00	1.00	1.01
Grade 9	106	104	125	136	117	113	143	174	169	164	185	182	172	179	185	179	178			
Grade 9: Grade 8		1.000	0.954	0.901	0.836	0.850	1.021	0.941	0.944	0.932	0.939	0.929	0.920	0.994	1.011	0.973	0.973	0.93	0.93	0.91
Grade 10	105	103	94	120	139	116	106	143	167	171	155	182	187	170	181	185	177			
Grade 10: Grade 9		0.972	0.904	0.960	1.022	0.991	0.938	1.000	0.960	1.012	0.945	0.984	1.027	0.988	1.011	1.000	0.989	0.97	1.01	1.00
Grade 11	117	113	105	97	111	136	120	106	139	161	164	155	174	184	171	178	182			
Grade 11: Grade 10		1.076	1.019	1.032	0.925	0.978	1.034	1.000	0.972	0.964	0.959	1.000	0.956	0.984	1.006	0.983	0.984	0.94	0.99	0.98
Grade 12	104	120	109	98	93	110	128	120	108	140	160	163	155	177	185	169	175			
Grade 12: Grade 11		1.026	0.965	0.933	0.959	0.991	0.941	1.000	1.019	1.007	0.994	0.994	1.000	1.017	1.005	0.988	0.983	0.96	0.97	1.00
Grade K - Grade 3	614	659	650	657	698	709	720	724	731	700	728	722	683	697	666	662	653	697	672	660
Grade 4 - Grade 8	630	670	734	759	813	878	932	948	940	963	938	915	930	938	975	976	967	949	957	973
Grade K - Grade 3	614	659	650	657	698	709	720	724	731	700	728	722	683	697	666	662	653	697	672	660
Grade 4 - Grade 5	253	251	312	359	358	374	387	390	381	381	371	355	387	393	392	390	349	379	382	377
Grade 6 - Grade 8	377	419	422	400	455	504	545	558	559	582	567	560	543	545	583	586	618	570	575	596
Grade 9 - Grade 12	432	440	433	451	460	475	497	543	583	636	664	682	688	710	722	711	712	665	709	715
Grade K - Grade 12	1676	1769	1817	1867	1971	2062	2149	2215	2254	2299	2330	2319	2301	2345	2363	2349	2332	2,311	2,338	2,348

** Birth data is provided by the Department of Public Health and represents actual births by Weston residents for years 1989 through 2007.

Weston Public Schools
Weston, Massachusetts

Enrollment Report
Table K

Year		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Weston Birth Data	Multiplier	92	84	75	76	86	85	85	85	85	85	85	85
School Year	3 year ratio	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20
Grades		Actual Enrollment											
Grade K**	1.66	155	137	125	126	143	141	141	141	141	141	141	141
Grade 1	1.17	156	167	160	146	148	167	165	165	165	165	165	165
Grade 2	0.98	188	159	164	157	143	145	164	162	162	162	162	162
Grade 3	1.09	163	190	173	178	171	156	158	178	176	176	176	176
Grade 4	1.03	189	165	196	179	184	176	160	162	184	182	182	182
Grade 5	1.03	201	184	170	202	184	189	182	165	167	189	187	187
Grade 6	1.03	186	205	190	175	208	189	195	187	170	172	195	193
Grade 7	0.97	217	186	199	184	170	201	184	189	181	165	167	189
Grade 8	1.01	183	227	188	201	186	171	203	186	191	183	167	169
Grade 9	0.92	179	178	209	173	185	171	158	187	171	176	169	153
Grade 10	1.00	185	177	178	209	173	185	171	158	187	171	176	169
Grade 11	0.98	178	182	173	174	205	169	181	167	155	183	167	172
Grade 12	1.00	169	175	182	173	174	205	169	181	167	155	183	167
Total		2,349	2,332	2,306	2,277	2,272	2,266	2,231	2,229	2,218	2,220	2,237	2,225
Grade K - Grade 3		662	653	622	607	604	608	628	646	644	644	644	644
Grade 4 - Grade 5		390	349	366	380	368	366	342	327	351	371	369	369
Grade 6 - Grade 8		586	618	576	560	563	562	582	562	542	521	529	551
Grade 9 - Grade 12		711	712	742	730	737	730	679	693	680	684	695	661

10 Year Average Enrollment	5 Year Average Enrollment	3 Year Average Enrollment
1.44	1.48	1.54
1.09	1.11	1.17
1.04	1.05	0.98
1.04	1.07	1.09
1.01	1.02	1.03
1.02	1.02	1.03
1.00	1.00	1.06
0.99	0.99	0.97
1.00	1.00	1.01
0.93	0.94	0.92
0.97	1.01	1.00
0.94	0.99	0.98
0.96	0.97	1.00

**Note: The 3-year ration for Kindergarten is 1.54. However, this average includes the SY07-08 school year before the implementation of Full Day Kindergarten (FDK). The ratios since the introduction have been significantly higher:

SY08-09 1.68 ratio
SY09-10 1.63 ratio

Therefore, the average of the two years with FDK is 1.66 ratio. Therefore, the ratio to determine the Kindergarten projection is based on a two year average ratio.

K ratio formula: $\frac{\text{Weston Birth Data}}{\text{Grade K Enrollment}}$ **Grade 1 ration formula:** $\frac{\text{K Enrollment Prior Year (PY)}}{\text{Grade 1 Enrollment Current Year (CY)}}$ **Grade 2 to 12 ration formula:** $\frac{\text{Previous Grade Enrollment Prior Year (PY)}}{\text{Current Grade Enrollment Current Year (CY)}}$

2010-2011 formula:
Grade K Weston Birth Data * Ratio
Grade 1 2009-2010 Grade K Enrollment * Grade 1 Ratio
Grade 2 2009-2010 Grade 1 Enrollment * Grade 2 Ratio
Grade 3 Pattern continues

Weston Public Schools
Weston, Massachusetts

Enrollment Report
Table L

SY'09-10 Actual Resident vs. NESDEC Enrollment Proj.

	SY'09-10 Actual	SY'09-10 NESDEC	Variance (Act. - NESDEC)
Kindergarten	117	125	-8
Grade 1	153	141	12
Grade 2	140	141	-1
Grade 3	177	188	-11
Grade 4	145	143	2
Grade 5	167	174	-7
Grade 6	193	190	3
Grade 7	172	175	-3
Grade 8	204	194	10
Grade 9	164	169	-5
Grade 10	162	164	-2
Grade 11	170	168	2
Grade 12	167	172	-5
Total	2131	2144	-13