

**Entering Class to Births Ratio Worksheet
Rochester NH Residents - 2008-09 - Best Fit Model**

Oct 15-Oct 14 Births	Number Births	KG Year	KG Class Size	1st Grade Year	1st Class Size	Ratio 1st/Birth	Ratio 1st/K	Proj. 1st Grade	Net Preschool Migration
1992-93	416	10/98	—	10/99	380	0.913	—		-36
1993-94	386	10/99	—	10/00	357	0.925	—		-29
1994-95	377	10/00	203	10/01	328	0.870	1.616		-49
1995-96	379	10/01	236	10/02	303	0.799	1.284		-76
1996-97	403	10/02	270	10/03	351	0.871	1.300		-52
1997-98	414	10/03	271	10/04	335	0.809	1.236		-79
1998-99	376	10/04	272	10/05	328	0.872	1.206		-48
1999-00	391	10/05	228	10/06	293	0.749	1.285		-98
2000-01	433	10/06	293	10/07	369	0.852	1.259		-64
2001-02	441	10/07	265	10/08	321	0.728	1.211		-120
2002-03	399	10/08	280	10/09		0.879	1.252	351	-48
2003-04	381	10/09		10/10		0.815		311	-70
2004-05	386	10/10		10/11		0.815		315	-71
2005-06	378	10/11		10/12		0.815		308	-70
2006-07*	369	10/12		10/13		0.815		301	-68
2007-08 est	383	10/13		10/14		0.815		312	-71
2008-09 est	383	10/14		10/15		0.815		312	-71
2009-10 est	383	10/15		10/16		0.815		312	-71
2010-11 est	383	10/16		10/17		0.815		312	-71
2011-12 est	383	10/17		10/18		0.815		312	-71
10yr Total (93-02)	4,016	10yr Total (98-07)	2,038	10yr Total (99-08)	3,365	0.838	1.651	Last 10yr	-65.1
10yr Avg (93-02)	402	10yr Avg (98-07)	204	10yr Avg (99-08)	337	0.839	1.040	Last 5yr	-81.8
5yr Avg (03-07)	383							Last 3yr	-94.0
5yr Max (03-07)	399							Proj.	-68.2
5yr Min (03-07)	369								
3 yr Avg (05-07)	378								
First Grade to Births Correlation Coefficients		First Grade to Kindergarten Correlation Coefficients							
10 YEAR	0.399	10 YEAR	0.668						
9 YEAR	0.345	9 YEAR	0.668						
8 YEAR	0.474	8 YEAR	0.668						
7 YEAR	0.511	7 YEAR	0.938						
6 YEAR	0.393	6 YEAR	0.925						
5 YEAR	0.470	5 YEAR	0.958						
4 YEAR	0.467	4 YEAR	0.958						
3 YEAR	0.679	3 YEAR	0.974						
				Ratios		1st/Birth	1st/K		
						Avg last 10	0.839	—	
						Avg last 9	0.831	—	
						Avg last 8	0.819	1.300	
						Avg last 7	0.812	1.255	
						Avg last 6	0.814	1.250	
						Avg last 5	0.802	1.240	
						Avg last 4	0.800	1.240	
						Avg last 3	0.776	1.252	
						av 1st 5	0.876	—	
						10yr Weighted	0.815	—	
						5yr Weighted	0.790	1.240	

Notes: Five-year average of births (2002-03 to 2006-07) used to estimate births from 2007-08 to 2011-12. *2006 and 2007 birth data is preliminary from the New Hampshire Division of Vital Records Administration. The first grade from 2010-11 to 2018-19 was projected using the 10-year weighted ratio of first grade to births, and the 2009-10 first grade was based on the 2008-09 Kindergarten class and the 3-year ratio of first grade to Kindergarten enrollment.

2008-09 Best Fit Model Enrollment Projections for Rochester NH, Completed October, 2008

Data produced by Planning Decisions Inc.

Enrollment Trends & Projections - Rochester NH - K-12 - 2008-09 - Best Fit Model

School Year	October 1st Enrollments													Grade Groups						Tuition Enrollment					Grand Totals for Grade Groups							
	PreK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total K-4	Total K-5	Total 5-8	Total 6-8	Total K-8	Total 9-12	Total K-12	Tuition K-5	Tuition 6-8	Tuition 9-12	Wakefield 9-12	Grand Total PreK-4	Grand Total PreK-5	Grand Total 5-8	Grand Total 6-8	Grand Total PreK-8	Grand Total 9-12	Grand Total PreK-12
Historical																																
1998-99	0	—	370	377	363	353	363	303	397	397	367	338	311	301	1,463	1,826	1,460	1,097	2,923	1,317	4,240	0	0	14	161	1,463	1,826	1,460	1,097	2,923	1,492	4,415
1999-00	0	—	380	329	381	338	337	381	313	370	455	359	260	264	1,428	1,765	1,401	1,064	2,829	1,338	4,167	0	0	23	191	1,428	1,765	1,401	1,064	2,829	1,552	4,381
2000-01	80	203	357	349	325	385	346	353	374	284	432	385	335	241	1,619	1,965	1,357	1,011	2,976	1,393	4,369	6	3	28	200	1,705	2,051	1,357	1,014	3,065	1,621	4,686
2001-02	82	236	328	343	345	342	386	366	347	365	335	428	354	299	1,594	1,980	1,464	1,078	3,058	1,416	4,474	4	2	35	208	1,680	2,066	1,464	1,080	3,146	1,659	4,805
2002-03	95	270	303	334	341	348	337	410	364	346	406	323	370	307	1,596	1,933	1,457	1,120	3,053	1,406	4,459	6	2	5	229	1,697	2,034	1,457	1,122	3,156	1,640	4,796
2003-04	85	271	351	308	336	363	346	363	409	361	397	366	308	304	1,629	1,975	1,479	1,133	3,108	1,375	4,483	0	0	5	246	1,714	2,060	1,479	1,133	3,193	1,626	4,819
2004-05	92	272	335	342	306	338	359	363	343	405	420	331	345	282	1,593	1,952	1,470	1,111	3,063	1,378	4,441	0	0	6	238	1,685	2,044	1,470	1,111	3,155	1,622	4,777
2005-06	100	228	328	341	348	321	343	381	363	342	463	356	318	316	1,566	1,909	1,429	1,086	2,995	1,453	4,448	0	0	5	243	1,666	2,009	1,429	1,086	3,095	1,701	4,796
2006-07	101	293	293	326	340	361	312	359	389	344	402	387	329	280	1,613	1,925	1,404	1,092	3,017	1,398	4,415	0	0	4	257	1,714	2,026	1,404	1,092	3,118	1,659	4,777
2007-08	92	265	369	290	311	334	354	325	356	357	409	349	380	292	1,569	1,923	1,392	1,038	2,961	1,430	4,391	0	0	2	243	1,661	2,015	1,392	1,038	3,053	1,675	4,728
2008-09	81	280	321	362	290	311	337	348	344	338	418	377	341	341	1,564	1,901	1,367	1,030	2,931	1,477	4,408	0	0	0	211	1,645	1,982	1,367	1,030	3,012	1,688	4,700
Projected																																
2009-10	89	248	351	317	360	292	307	353	348	323	395	360	362	303	1,568	1,875	1,331	1,024	2,899	1,421	4,320	0	0	0	228	1,657	1,964	1,331	1,024	2,988	1,649	4,637
2010-11	89	251	311	346	316	363	288	322	353	327	378	341	346	322	1,586	1,875	1,290	1,002	2,876	1,386	4,262	0	0	0	215	1,676	1,964	1,290	1,002	2,965	1,601	4,566
2011-12	90	246	315	307	345	318	358	302	322	331	382	325	327	307	1,530	1,888	1,313	955	2,843	1,342	4,185	0	0	0	220	1,620	1,978	1,313	955	2,933	1,562	4,495
2012-13	87	240	308	311	305	347	314	375	302	302	388	329	313	291	1,512	1,825	1,293	979	2,804	1,320	4,124	0	0	0	226	1,599	1,912	1,293	979	2,891	1,546	4,437
2013-14	86	249	301	304	309	307	342	329	375	283	353	334	316	278	1,471	1,814	1,330	987	2,801	1,281	4,082	0	0	0	205	1,557	1,900	1,330	987	2,887	1,486	4,373
2014-15	85	249	312	297	303	311	303	359	329	352	331	304	321	281	1,473	1,776	1,343	1,039	2,815	1,238	4,053	0	0	0	216	1,557	1,861	1,343	1,039	2,900	1,454	4,354
2015-16	85	249	312	308	296	305	307	318	359	308	412	286	292	285	1,470	1,777	1,293	985	2,762	1,275	4,037	0	0	0	197	1,554	1,862	1,293	985	2,847	1,471	4,318
2016-17	85	249	312	308	307	298	301	322	318	337	361	355	274	260	1,473	1,774	1,278	977	2,751	1,250	4,001	0	0	0	190	1,558	1,859	1,278	977	2,836	1,440	4,276
2017-18	85	249	312	308	307	309	294	315	322	298	394	311	341	244	1,484	1,778	1,230	936	2,714	1,289	4,004	0	0	0	191	1,569	1,863	1,230	936	2,799	1,480	4,279
2018-19	85	249	312	308	307	309	305	308	316	302	349	339	299	303	1,484	1,789	1,230	926	2,715	1,290	4,005	0	0	0	187	1,570	1,874	1,230	926	2,800	1,477	4,277

Note: 2008-09 enrollment data based on opening count figures verse October 1st enrollment.
 2008-09 Best Fit Model Enrollment Projections for Rochester NH, Completed October, 2008
 Data produced by Planning Decisions Inc.

Enrollment Trends & Projections - Rochester NH - East and West - K-5 - 2008-09 - Best Fit Model

October 1st Enrollments																																			
School Year	K					1st					2nd					3rd					4th					5th					K-5				
	East		West		Total	East		West		Total	East		West		Total	East		West		Total	East		West		Total	East		West		Total					
	#	%	#	%		#	%	#	%		#	%	#	%		#	%	#	%		#	%	#	%		#	%	#	%		#	%	#	%	
Historical																																			
2001-02	99	41.9%	137	58.1%	236	145	44.2%	184	56.1%	328	147	42.9%	176	51.3%	343	149	43.2%	200	58.0%	345	163	47.7%	179	52.3%	342	167	43.3%	221	57.3%	386	870	43.9%	1,097	55.4%	1,980
2002-03	118	43.7%	152	56.3%	270	120	39.6%	183	60.4%	303	140	41.9%	194	58.1%	334	154	45.2%	187	54.8%	341	144	41.4%	204	58.6%	348	163	48.4%	174	51.6%	337	839	43.4%	1,094	56.6%	1,933
2003-04	131	48.3%	140	51.7%	271	160	45.6%	191	54.4%	351	130	42.2%	178	57.8%	308	146	43.5%	190	56.5%	336	171	47.1%	192	52.9%	363	147	42.5%	199	57.5%	346	885	44.8%	1,090	55.2%	1,975
2004-05	105	38.6%	167	61.4%	272	157	46.9%	178	53.1%	335	149	43.6%	193	56.4%	342	123	40.2%	183	59.8%	306	139	41.1%	199	58.9%	338	159	44.3%	200	55.7%	359	832	42.6%	1,120	57.4%	1,952
2005-06	98	43.0%	130	57.0%	228	133	40.5%	195	59.5%	328	161	47.2%	180	52.8%	341	159	45.7%	189	54.3%	348	132	41.1%	189	58.9%	321	143	41.7%	200	58.3%	343	826	43.3%	1,083	56.7%	1,909
2006-07	142	48.5%	151	51.5%	293	122	41.6%	171	58.4%	293	131	40.2%	195	59.8%	326	161	47.4%	179	52.6%	340	166	46.0%	195	54.0%	361	137	43.9%	175	56.1%	312	859	44.6%	1,066	55.4%	1,925
2007-08	118	44.5%	147	55.5%	265	164	44.4%	205	55.6%	369	128	44.1%	162	55.9%	290	124	39.9%	187	60.1%	311	157	47.0%	177	53.0%	334	164	46.3%	190	53.7%	354	855	44.5%	1,068	55.5%	1,923
2008-09	134	47.9%	146	52.1%	280	150	46.7%	171	53.3%	321	153	42.3%	209	57.7%	362	139	47.9%	151	52.1%	290	127	40.8%	184	59.2%	311	161	47.8%	176	52.2%	337	864	45.4%	1,037	54.6%	1,901
Projected																																			
2009-10	112	45.1%	136	54.9%	248	155	44.3%	195	55.7%	351	137	43.3%	180	56.7%	317	159	44.1%	201	55.9%	360	128	43.9%	164	56.1%	292	136	44.4%	171	55.6%	307	829	44.2%	1,046	55.8%	1,875
2010-11	113	45.1%	138	54.9%	251	138	44.3%	173	55.7%	311	150	43.3%	197	56.7%	346	139	44.1%	176	55.9%	316	159	43.9%	204	56.1%	363	128	44.4%	160	55.6%	288	829	44.2%	1,046	55.8%	1,875
2011-12	111	45.1%	135	54.9%	246	139	44.3%	175	55.7%	315	133	43.3%	174	56.7%	307	152	44.1%	193	55.9%	345	139	43.9%	178	56.1%	318	159	44.4%	199	55.6%	358	835	44.2%	1,053	55.8%	1,888
2012-13	108	45.1%	132	54.9%	240	136	44.3%	172	55.7%	308	135	43.3%	176	56.7%	311	135	44.1%	171	55.9%	305	152	43.9%	195	56.1%	347	139	44.4%	174	55.6%	314	807	44.2%	1,018	55.8%	1,825
2013-14	112	45.1%	137	54.9%	249	133	44.3%	168	55.7%	301	132	43.3%	173	56.7%	304	136	44.1%	173	55.9%	309	135	43.9%	173	56.1%	307	152	44.4%	190	55.6%	342	802	44.2%	1,012	55.8%	1,814
2014-15	112	45.1%	137	54.9%	249	138	44.3%	174	55.7%	312	129	43.3%	169	56.7%	297	134	44.1%	169	55.9%	303	137	43.9%	175	56.1%	311	135	44.4%	169	55.6%	303	785	44.2%	991	55.8%	1,776
2015-16	112	45.1%	137	54.9%	249	138	44.3%	174	55.7%	312	133	43.3%	175	56.7%	308	130	44.1%	165	55.9%	296	134	43.9%	171	56.1%	305	137	44.4%	171	55.6%	307	786	44.2%	992	55.8%	1,777
2016-17	112	45.1%	137	54.9%	249	138	44.3%	174	55.7%	312	133	43.3%	175	56.7%	308	135	44.1%	171	55.9%	307	131	43.9%	167	56.1%	298	134	44.4%	167	55.6%	301	784	44.2%	990	55.8%	1,774
2017-18	112	45.1%	137	54.9%	249	138	44.3%	174	55.7%	312	133	43.3%	175	56.7%	308	135	44.1%	171	55.9%	307	135	43.9%	173	56.1%	309	131	44.4%	163	55.6%	294	786	44.2%	992	55.8%	1,778
2018-19	112	45.1%	137	54.9%	249	138	44.3%	174	55.7%	312	133	43.3%	175	56.7%	308	135	44.1%	171	55.9%	307	135	43.9%	173	56.1%	309	135	44.4%	169	55.6%	305	791	44.2%	998	55.8%	1,789

Note: 2008-09 enrollment data based on opening count figures verse October 1st enrollment.

2008-09 Best Fit Model Enrollment Projections for Rochester NH, Completed October, 2008

Data produced by Planning Decisions Inc.

Entering Class to Births Ratio Worksheet
Wakefield, NH Residents - 2008-09 - Best Fit Model

Oct 15-Oct 14 Births	Number Births	KG Year	KG Class Size	1st Grade Year	1st Class Size	Ratio 1st/Birth	Ratio 1st/K	Proj. 1st Grade	Net Preschool Migration
1992-93	43	10/98	59	10/99	56	1.302	0.949		13
1993-94	43	10/99	43	10/00	51	1.186	1.186		8
1994-95	41	10/00	65	10/01	69	1.683	1.062		28
1995-96	40	10/01	47	10/02	57	1.425	1.213		17
1996-97	41	10/02	57	10/03	61	1.488	1.070		20
1997-98	34	10/03	52	10/04	62	1.824	1.192		28
1998-99	37	10/04	45	10/05	44	1.189	0.978		7
1999-00	48	10/05	60	10/06	68	1.417	1.133		20
2000-01	42	10/06	43	10/07	45	1.071	1.047		3
2001-02	39	10/07	54	10/08	51	1.308	0.944		12
2002-03	41	10/08	46	10/09		1.246	1.111	51	10
2003-04	43	10/09		10/10		1.246		54	11
2004-05	47	10/10		10/11		1.246		59	12
2005-06*	61	10/11		10/12		1.246		76	15
2006-07*	47	10/12		10/13		1.246		59	12
2007-08 est	48	10/13		10/14		1.246		60	12
2008-09 est	48	10/14		10/15		1.246		60	12
2009-10 est	48	10/15		10/16		1.246		60	12
2010-11 est	48	10/16		10/17		1.246		60	12
2011-12 est	48	10/17		10/18		1.246		60	12
10yr Total (92-01)	408	10yr Total (98-07)	525	10yr Total (99-08)	564	1.382	1.074	Last 10yr	15.6
10yr Avg (92-01)	41	10yr Avg (98-07)	53	10yr Avg (99-08)	56	1.389	1.077	Last 5yr	14.0
5yr Avg (03-07)	48							Last 3yr	11.7
5yr Max (03-07)	61							Proj.	11.8
5yr Min (03-07)	41								
3 yr Avg (05-07)	52								

First Grade to Births Correlation Coefficients		First Grade to Kindergarten Correlation Coefficients	
10 YEAR	0.266	10 YEAR	0.818
9 YEAR	0.275	9 YEAR	0.861
8 YEAR	0.345	8 YEAR	0.868
7 YEAR	0.355	7 YEAR	0.825
6 YEAR	0.357	6 YEAR	0.886
5 YEAR	0.349	5 YEAR	0.877
4 YEAR	0.870	4 YEAR	0.926
3 YEAR	0.832	3 YEAR	0.906

Ratios	1st/Birth	1st/K
Avg last 10	1.389	1.077
Avg last 9	1.399	1.092
Avg last 8	1.426	1.080
Avg last 7	1.389	1.082
Avg last 6	1.383	1.061
Avg last 5	1.362	1.059
Avg last 4	1.246	1.026
Avg last 3	1.265	1.041
av 1st 5	1.417	1.096
5yr Weighted	1.285	1.030

Notes: Five-year average of births (2002-03 to 2006-07) used to estimate births from 2007-08 to 2011-12. *2006 and 2007 birth data is preliminary from the New Hampshire Division of Vital Records Administration. The first grade from 2009-10 to 2018-19 was projected using the 4-year ratio of first grade to births.

2008-09 Best Fit Model Enrollment Projections for Wakefield, Completed October, 2008
 Data produced by Planning Decisions Inc.

Enrollment Trends & Projections - Wakefield, NH - K-12 - 2008-09 - Best Fit Model

October 1st Enrollments														Grade Groups		
School Year	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	Total K-8	Total 9-12	Total K-12
Historical																
1998-99	59	57	60	50	68	50	57	59	66	38	44	40	39	526	161	687
1999-00	43	56	64	65	51	73	52	67	65	79	42	39	31	536	191	727
2000-01	65	51	59	56	65	51	74	50	70	70	58	38	34	541	200	741
2001-02	47	69	50	70	60	59	54	69	54	68	41	63	36	532	208	740
2002-03	57	57	67	48	64	60	68	44	75	66	61	55	47	540	229	769
2003-04	52	61	58	71	49	64	64	68	47	93	53	51	49	534	246	780
2004-05	45	62	60	59	70	54	68	69	65	82	64	50	42	552	238	790
2005-06	60	44	63	62	54	65	55	68	63	77	54	69	43	534	243	777
2006-07	43	68	42	65	62	55	66	58	65	80	61	59	57	524	257	781
2007-08	54	45	66	48	64	61	51	64	52	78	62	56	47	505	243	748
2008-09	46	51	45	62	48	61	62	47	69	59	60	50	42	491	211	702
Projected																
2009-10	52	51	50	47	62	47	60	61	48	83	46	59	40	477	228	705
2010-11	57	54	50	52	46	60	46	59	62	57	65	46	47	486	215	701
2011-12	74	59	52	52	51	45	59	45	60	75	45	64	36	498	220	718
2012-13	57	76	57	54	51	50	45	58	46	73	58	44	51	495	226	721
2013-14	58	59	74	59	54	50	49	44	59	55	57	58	35	506	205	711
2014-15	58	60	57	77	59	52	49	49	45	71	43	56	46	506	216	722
2015-16	58	60	58	59	77	57	52	49	49	54	56	43	44	519	197	715
2016-17	58	60	58	60	59	74	56	51	49	59	42	55	34	526	190	717
2017-18	58	60	58	60	60	57	73	56	52	59	46	41	44	534	191	725
2018-19	58	60	58	60	60	58	56	72	57	62	46	46	33	540	187	727

Note: 2008-09 enrollment data based on opening count figures verse October 1st enrollment.

2008-09 Best Fit Model Enrollment Projections for Wakefield, Completed October, 2008

Data produced by Planning Decisions Inc.