

Births to Entering Class Ratio Worksheet
Town of Wakefield, NH School Department - 2001-02 - Best Fit Model

Birth Year	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
1985-86	44	10-91	47	10-92	51	1.159	1.085		7
1986-87	40	10-92	42	10-93	40	1.000	0.952		0
1987-88	50	10-93	46	10-94	43	0.860	0.935		-7
1988-89	57	10-94	51	10-95	71	1.246	1.392		14
1989-90	37	10-95	32	10-96	48	1.297	1.500		11
1990-91	50	10-96	54	10-97	55	1.100	1.019		5
1991-92	39	10-97	53	10-98	57	1.462	1.075		18
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		1.406	1.197	56	16
1996-97	41	10-02		10-03		1.406		58	17
1997-98	34	10-03		10-04		1.406		48	14
1998-99	37	10-04		10-05		1.406		52	15
1999-00	48	10-05		10-06		1.406		67	19
2000-01 est	40	10-06		10-07		1.406		56	16
2001-02 est	40	10-07		10-08		1.406		56	16
2002-03 est	40	10-08		10-09		1.406		56	16
2003-04 est	40	10-09		10-10		1.406		56	16
2004-05 est	40	10-10		10-11		1.406		56	16
10 yr Total (86-95)	444	10 yr Total (91-00)	492	10 yr Total (92-01)	541	1.218	1.100	Last 10 yr	9.7
10 yr Avg (86-95)	44	10 yr Avg (91-00)	49	10 yr Avg (92-01)	54	1.229	1.116	Last 5 yr	14.4
5 yr Avg (96-00)	40							Last 3 yr	16.3
5 yr Max (96-00)	48							Proj. 1st	16.2
5 yr Min (96-00)	34								
3 yr Avg (98-00)	40								

First Grade to Births		First Grade to Kindergarten	
Correlation Coefficients		Correlation Coefficients	
10 YEAR	0.361	10 YEAR	0.675
9 YEAR	0.361	9 YEAR	0.672
8 YEAR	0.276	8 YEAR	0.640
7 YEAR	0.557	7 YEAR	0.663
6 YEAR	0.068	6 YEAR	0.876
5 YEAR	-0.344	5 YEAR	0.865
4 YEAR	-0.376	4 YEAR	0.875
3 YEAR	-0.963	3 YEAR	0.874

Ratios	1st/Birth	1st/K
Avg last 10	1.229	1.116
Avg last 9	1.237	1.119
Avg last 8	1.267	1.140
Avg last 7	1.325	1.169
Avg last 6	1.338	1.132
Avt last 5	1.347	1.058
Avg last 4	1.408	1.068
Avg last 3	1.390	1.066
av 1st 5	1.112	1.173
5 yr Weigh	1.406	1.071

Notes: Three year average of births (1997-98 and 1999-00) used to project births from 200-01 through 2004-05.
The first grade from 2002-03 through 2011-12 was projected using the 5 year ratio of first grade to births.

2001-02 Best Fit Model Enrollment Projections for Rochester, NH. Completed April, 2002
Data produced by Planning Decisions Inc.