

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

| Birth Year | Number Births | 1st Grade Year | 1st Class Size | Ratio 1st/Birth | Proj. 1st Grade | Net Preschool Migration |
|-------------|---------------|----------------|----------------|-----------------|-----------------|-------------------------|
| 1985-86 | 437 | 10-92 | 493 | 1.128 | | 56 |
| 1986-87 | 475 | 10-93 | 405 | 0.853 | | -70 |
| 1987-88 | 168 | 10-94 | 436 | 2.595 | | -32 |
| 1988-89 | 503 | 10-95 | 438 | 0.871 | | -65 |
| 1989-90 | 488 | 10-96 | 440 | 0.902 | | -48 |
| 1990-91 | 467 | 10-97 | 411 | 0.880 | | -56 |
| 1991-92 | 428 | 10-98 | 370 | 0.864 | | -58 |
| 1992-93 | 416 | 10-99 | 380 | 0.913 | | -36 |
| 1993-94 | 386 | 10-00 | 357 | 0.925 | | -29 |
| 1994-95 | 377 | 10-01 | 328 | 0.870 | | -49 |
| 1995-96 | 379 | 10-02 | | 0.889 | 337 | -42 |
| 1996-97 | 403 | 10-03 | | 0.889 | 358 | -45 |
| 1997-98 | 414 | 10-04 | | 0.889 | 368 | -46 |
| 1998-99 | 376 | 10-05 | | 0.889 | 334 | -42 |
| 1999-00 | 391 | 10-06 | | 0.889 | 348 | -43 |
| 2000-01 est | 394 | 10-07 | | 0.889 | 350 | -44 |
| 2001-02 est | 394 | 10-08 | | 0.889 | 350 | -44 |
| 2002-03 est | 394 | 10-09 | | 0.889 | 350 | -44 |
| 2003-04 est | 394 | 10-10 | | 0.889 | 350 | -44 |
| 2004-05 est | 394 | 10-11 | | 0.889 | 350 | -44 |

| | | | | | | |
|---------------------|-------|---------------------|-------|-------|------------|-------|
| 10 yr Total (86-95) | 4,445 | 10 yr Total (92-01) | 4,058 | 0.913 | Last 10 yr | -38.7 |
| 10 yr Avg (86-95) | 445 | 10 yr Avg (92-01) | 406 | 0.914 | Last 5 yr | -45.6 |
| 5 yr Avg (96-00) | 393 | | | | Last 3 yr | -38.0 |
| 5 yr Max (96-00) | 414 | | | | Proj. 1st | -43.5 |
| 5 yr Min (96-00) | 376 | | | | | |
| 3 yr Avg (98-00) | 394 | | | | | |

| Ratios | 1st/Birth |
|-------------|-----------|
| Avg last 10 | 0.914 |
| Avg last 9 | 0.890 |
| Avg last 8 | 0.895 |
| Avg last 7 | 0.889 |
| Avg last 6 | 0.892 |
| Avt last 5 | 0.891 |
| Avg last 4 | 0.893 |
| Avg last 3 | 0.903 |
| av 1st 5 | 0.937 |

| First Grade to Births Correlation Coefficients | |
|--|-------|
| 10 YEAR | 0.695 |
| 9 YEAR | 0.95 |
| 8 YEAR | 0.962 |
| 7 YEAR | 0.974 |
| 6 YEAR | 0.968 |
| 5 YEAR | 0.94 |
| 4 YEAR | 0.848 |
| 3 YEAR | 0.933 |

5 yr Weighted 0.893

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 7 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.