

Demographic projections are the basis for making decisions concerning the establishment of facilities, both existing and new. Recognizing that the intent of a school district's physical plan is to house students for the purpose of education, appropriate criteria must be used to determine those projections. Student enrollment projections for this study were supplied by the Department of Education, the School District, and EI Associates. This data was also used to generate the building requirements into the future.

The following charts show the student enrollment projections by grade level, by grade grouping, and by year. Future student enrollment has been computed from known live births and interpolated, where necessary, using the cohort survival methodology. The cohort survival method has a record of reliability in relatively stable districts (what has occurred in the past will, to a large extent, continue to occur). However, changes can occur in birth trends, in-migration patterns, internal policies, economic climate, zoning and land use controls, infrastructure considerations, and interest rates that may affect projections. Thus, influencing factors must be monitored and analyzed every year by the school district. Significant changes, therefore, can be quickly identified and appropriate adjustments made.

However, it is not only the number of students that affects the capability of adequate facilities. The educational program must also be analyzed. Other factors that may affect the ability of the existing facilities to meet the needs of the district are:

1. Half-day versus full-day kindergarten
2. Grade grouping changes
3. Future trends in special education
4. Trends in technology-based education
5. Desired classroom size

## **DEMOGRAPHICS**

---

**THIS PAGE LEFT INTENTIONALLY BLANK**

## **DEMOGRAPHICS**

---

**THIS PAGE LEFT INTENTIONALLY BLANK**

# DEMOGRAPHICS

# DISTRICT – UPDATED PROJECTED STUDENT ENROLLMENT

## Enrollment Projection November 2006

### Methacton School District - November 2006 Enrollment Projections

	<i>Actual</i> Jul/05- Jun/06	<i>Actual</i> Jul/06- Jun/07	Jul/07- Jun/08	Jul/08- Jun/09	Jul/09- Jun/10	Jul/10- Jun/11	Jul/11- Jun/12	Jul/12- Jun/13	Jul/13- Jun/14	Jul/14- Jun/15	Jul/15- Jun/16
Kindergarten	306	314	312	324	300	341	331	330	322	308	300
Grade 1	448	437	482	466	485	443	481	464	456	446	433
Grade 2	373	392	399	442	426	441	395	431	411	403	393
Grade 3	381	380	407	411	454	436	447	404	441	420	411
Grade 4	405	383	396	421	424	470	446	457	412	449	428
Grade 5	419	425	408	419	446	448	489	467	478	431	469
Grade 6	434	420	435	419	430	457	456	497	474	484	436
Grade 7	442	439	430	445	430	441	465	463	503	479	490
Grade 8	444	451	451	441	458	442	450	475	471	512	488
Grade 9	476	470	478	481	471	488	469	476	501	497	539
Grade 10	464	463	473	483	481	474	489	468	475	499	495
Grade 11	431	448	453	466	474	473	464	477	456	463	486
Grade 12	390	432	458	463	475	484	481	471	485	463	470
<b>District Total</b>	<b>5413</b>	<b>5454</b>	<b>5582</b>	<b>5682</b>	<b>5754</b>	<b>5838</b>	<b>5866</b>	<b>5881</b>	<b>5886</b>	<b>5853</b>	<b>5837</b>
<b>K - Grade 5</b>	<b>2332</b>	<b>2331</b>	<b>2405</b>	<b>2483</b>	<b>2535</b>	<b>2579</b>	<b>2590</b>	<b>2554</b>	<b>2521</b>	<b>2456</b>	<b>2432</b>
<b>Grades 6-8</b>	<b>1320</b>	<b>1310</b>	<b>1316</b>	<b>1305</b>	<b>1318</b>	<b>1340</b>	<b>1372</b>	<b>1434</b>	<b>1448</b>	<b>1475</b>	<b>1414</b>
<b>Grades 9-12</b>	<b>1761</b>	<b>1813</b>	<b>1862</b>	<b>1894</b>	<b>1901</b>	<b>1919</b>	<b>1904</b>	<b>1893</b>	<b>1917</b>	<b>1922</b>	<b>1990</b>

**DEMOGRAPHICS**

**EI ASSOCIATES - PROJECTED STUDENT ENROLLMENT**

	K	1	2	3	4	5	K - 5	6	7	8	6 - 8	9	10	11	12	9 - 12	K-12
2002-03	303	431	367	394	421	436	2352	426	409	438	1273	412	388	350	353	1503	5128
2003-04	292	433	389	389	402	428	2333	443	434	429	1306	449	399	390	354	1592	5231
2004-05	314	416	371	398	404	421	2324	442	440	459	1341	454	438	390	391	1673	5338
2005-06	307	447	373	381	404	419	2331	435	442	444	1321	476	464	431	390	1761	5413
2006-07	314	437	392	380	383	425	2331	420	439	451	1310	470	463	448	432	1813	5454
		1.4252	0.883	1.032	1.02	1.038		1.0211	1.0052	1.0336		1.0446	0.9849	0.9822	1.0038		
2007-08	317	448	386	405	388	398	2341	434	422	454	1310	471	463	455	450	1839	5489
2008-09	320	452	396	398	413	402	2381	406	436	436	1279	474	464	455	457	1849	5508
2009-10	323	456	399	408	406	428	2421	411	408	451	1270	456	467	456	456	1835	5525
2010-11	326	460	403	412	416	422	2439	437	413	422	1272	471	449	459	458	1836	5547
2011-12	329	465	406	416	420	432	2468	430	440	427	1297	441	464	441	460	1806	5571
2012-13	332	469	411	419	424	436	2491	441	433	454	1328	446	434	456	443	1778	5597
2013-14	335	473	414	424	428	440	2513	445	444	447	1336	475	439	426	457	1797	5647
2014-15	338	477	418	427	432	444	2536	449	448	459	1355	467	467	431	428	1794	5685
2015-16	341	482	421	431	436	449	2560	453	452	463	1367	479	460	459	433	1831	5758
2016-17	344	486	426	435	440	452	2582	458	455	467	1380	483	472	452	461	1868	5831

**DEMOGRAPHICS**

**PDE - PROJECTED STUDENT ENROLLMENT**

REVISED: 07/2006 (2005 Enrollments)

	K	1	2	3	4	5	K - 5	6	7	8	6 - 8	9	10	11	12	9 - 12	K-12
2001-02	310	421	378	431	413	416	2369	408	424	390	1222	402	362	359	308	1431	5022
2002-03	303	431	367	394	421	436	2352	426	409	438	1273	412	388	350	353	1503	5128
2003-04	292	433	389	389	402	428	2333	443	434	429	1306	449	399	390	354	1592	5231
2004-05	314	416	371	398	404	421	2324	442	440	459	1341	454	438	390	391	1673	5338
2005-06	307	447	373	381	404	419	2331	435	442	444	1321	476	464	431	390	1761	5413
2006-07	318	521	394	387	386	420	2426	430	437	458	1325	464	486	456	431	1837	5588
2007-08	313	480	459	409	392	401	2454	431	432	453	1316	478	474	478	456	1886	5656
2008-09	332	472	423	476	414	407	2524	412	433	448	1293	473	489	466	478	1906	5723
2009-10	308	501	416	439	482	430	2576	418	413	449	1280	468	483	481	466	1898	5754
2010-11	304	464	442	432	445	501	2588	441	420	428	1289	469	478	475	481	1903	5780
2011-12	300	458	409	459	437	462	2525	514	443	436	1393	447	479	470	475	1871	5789
2012-13	297	453	404	425	465	454	2498	474	516	459	1449	455	457	471	470	1853	5800
2013-14	293	447	400	419	430	483	2472	466	476	535	1477	479	465	449	471	1864	5813
2014-15	290	442	394	415	424	447	2412	496	468	494	1458	559	490	457	449	1955	5825
2015-16	288	438	390	409	420	441	2386	459	498	485	1442	516	571	482	457	2026	5854

**DEMOGRAPHICS**

**METHACTON SCHOOL DISTRICT- PROJECTED STUDENT ENROLLMENT**

<b>YEAR</b>	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>K - 5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>6 - 8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>9 - 12</b>	<b>TOTAL</b>	<b>YEAR</b>
<b>2005-2006</b>	306	448	373	381	405	419	2332	434	442	444	1320	476	464	431	390	1761	5413	<b>2005-2006</b>
<b>2006-2007</b>	314	437	392	380	383	425	2331	420	439	451	1310	470	463	448	432	1813	5454	<b>2006-2007</b>
<b>2007-2008</b>	312	482	399	407	396	408	2404	435	430	451	1316	478	473	453	458	1862	5582	<b>2007-2008</b>
<b>2008-2009</b>	324	466	442	411	421	419	2483	419	445	441	1305	481	483	466	463	1893	5681	<b>2008-2009</b>
<b>2009-2010</b>	300	485	426	454	424	446	2535	430	430	458	1318	471	481	474	475	1901	5754	<b>2009-2010</b>
<b>2010-2011</b>	341	443	441	436	470	448	2579	457	441	442	1340	488	474	473	484	1919	5838	<b>2010-2011</b>
<b>2011-2012</b>	331	481	395	447	446	489	2589	456	465	450	1371	469	489	464	481	1903	5863	<b>2011-2012</b>
<b>2012-2013</b>	330	464	431	404	457	467	2553	497	463	475	1435	476	468	477	471	1892	5880	<b>2012-2013</b>
<b>2013-2014</b>	322	456	411	441	412	478	2520	474	503	471	1448	501	475	456	485	1917	5885	<b>2013-2014</b>
<b>2014-2015</b>	308	446	403	420	449	431	2457	484	479	512	1475	497	499	463	463	1922	5854	<b>2014-2015</b>
<b>2015-2016</b>	300	433	393	411	428	469	2434	436	490	488	1414	539	495	486	470	1990	5838	<b>2015-2016</b>

- 1. The number of preschool children moving into the District is unknown.
- 2. Based upon the 2000 enrollment and occupied households as reported by the US Census, the students per household are 0.4653 (10,342 occupied households and 4,812 students equal 0.4653).
- 3. The School District does an excellent job of projecting student enrollment. The demographic program provides details by grade and the tracking development and housing construction figures were given to us by the Municipalities.

4. Live birth data:

1993 .....	285	1998 .....	341
1994 .....	297	1999 .....	350
1995 .....	306	2000 .....	380
1996 .....	207	2001 .....	350
1997 .....	281	2002 .....	357

Live births have been increasing, but are expected to level off and even decline somewhat. However, in-migration to new households and turnover of existing homes are anticipated to keep enrollments moving slowly, but steadily upward.

- 5. Kindergarten enrollment is based upon the offering of half-day Kindergarten by the School District. Should the School District offer full-day Kindergarten, the Kindergarten enrollment would increase to a number close to the First Grade enrollment, less the number of transitional (TI) students.
- 6. First grade enrollment includes TI students (64 for 2003-2004).
- 7. Second grade enrollment reflects the impact of TI students being assigned to First Grade.
- 8. Third grade enrollment reflects in-migration and possibly the return of students from private schools.
- 9. Comparing live births in 1997 to First Grade enrollment, less TI students in 2003, equals a 1.33% increase. This reflects in-migration without including students going to private schools.

(Note: These independent enrollment demographics were prepared in 2004, and are included in this revised Feasibility Study for reference purposes only.)



- 1. There are 1,031 students transported by the School District to 54 private schools.

Grade & Student Total:

K .....	110
1 .....	92
2 .....	80
3 .....	82
4 .....	79
5 .....	80
6 .....	78
7 .....	82
8 .....	101
9 .....	72
10 .....	79
11 .....	43
12 .....	53
Total .....	1,031

The number of children transported to private schools by their parents or other means of non-School District transportation is unknown. It appears that some students return to the School District at different grades, most notably ninth grade.

(Note: These independent enrollment demographics were prepared in 2004, and are included in this revised Feasibility Study for reference purposes only.)

## DEMOGRAPHICS

## NEW HOME CONSTRUCTION AS REPORTED BY MUNICIPALITIES

	2000	2001	2002	2003	2004	Approved Under Construction	Approved Not Under Construction	Approval Process	Future 2004
Lower Providence	0	94	78	91	79	50	67	11	600
Worcester	52	54	31	25	26	N/A	296	107	N/A
Total	52	148	109	116	105	50	363	118	600+

Issues that effect new home construction include the following:

- Available land (more land is available in Worcester Township than Lower Providence).
- Interest rates appear to be trending upward.
- Construction costs are trending upward.
- An increase in employment opportunities in the area.

It appears that approximately the same number of homes built per year for the past 4 years could be built in the foreseeable future.

(Note: These independent enrollment demographics were prepared in 2004, and are included in this revised Feasibility Study for reference purposes only.)