

WESTONKA PUBLIC SCHOOLS

ISD# 277

ENROLLMENT PROJECTIONS

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PROJECTION ENVIRONMENT

- Low fertility
 - Number of births decreasing in U.S. and Minnesota
 - Consensus among demographers that Pandemic will result in fewer births for several years
 - 2020 U.S. births lowest since 1979 but births up 1% in 2021
 - Fertility varies by race/ethnicity
- Less mobility
 - U.S. fewer than 10 percent (8.4 percent) moved last year
 - Was 20 per cent per year since WWII
- Population aging
 - Different new housing mix
 - Smaller percentage of households have children
- Immigration from abroad slowed

PROJECTION ENVIRONMENT

- Minnesota population back to pattern of net out migration

COVID-19 AFFECTS

- Minnesota public school enrollment in 2020-21
 - Kindergarten classes smaller as students attended no school or homeschooled or attended private schools
 - Other elementary grades also lost students to home schools or private schools
 - Middle school and high school enrollment less affected

COVID-19 AFFECTS

- Westonka Public Schools
 - Pandemic had minimal affect on 2020-21 enrollment
 - Kindergarten was below “expected” size, but bounced back in 2021-22
 - Net in migration (1 student)
 - Pandemic seems to have affected 2021-22 enrollment
 - Students shifted to other education options
 - Nonpublic enrollment increased dramatically between 2019-20 and 2021-22
 - Home school enrollment increased in 2020-21 but decreased in 2021-22

EDUCATION CHOICES

2020-21

	Minnesota	Westonka
Nonpublic settings	10.0%	10.3%
Traditional schools	6.8%	6.3%
Home schools	3.2%	4.0%
Public Options		
Open enrollment	9.0%	
In		16.0%
Out		21.2%
Charter schools	6.8%	0.8%
Capture Rate	73.0%	64.2%

ENROLLMENT

- From 2011-12 to 2021-22
 - Enrollment increased by 169 students or 7.7%
 - Nonresidents make up 16.5% of total enrollment
 - Resident enrollment increased by 53 students or 2.7%
 - District's school age population increased by 265 students or 9.4%. Westonka captured only 20% of this increase
 - Market share is 64.2%

ENROLLMENT

Year	Total	Resident	Nonresident
2011-12	2,204	1,929	275
2012-13	2,226	1,917	309
2013-14	2,170	1,840	330
2014-15	2,177	1,832	345
2015-16	2,249	1,872	377
2016-17	2,297	1,911	386
2017-18	2,327	1,950	377
2018-19	2,395	2,001	394
2019-20	2,449	2,047	402
2020-21	2,434	2,045	389
2021-22	2,373	1,982	391

Excludes Early Childhood

COMPONENTS OF ENROLLMENT CHANGE

Fall to Fall	Total		Natural Increase/Decrease	Net Migration
	#	%		
2011 to 2012	22	1.0%	0	22
2012 to 2013	-56	-2.5%	-37	-19
2013 to 2014	7	0.3%	-15	22
2014 to 2015	72	3.3%	-11	83
2015 to 2016	48	2.1%	-26	74
2016 to 2017	30	1.3%	25	5
2017 to 2018	68	2.9%	44	24
2018 to 2019	54	2.3%	21	33
2019 to 2020	-15	-0.6%	-16	1
2020 to 2021	-61	-2.5%	-23	-38
Total	169	---	-38	207

Excludes Early Childhood

ENROLLMENT

Grade	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
K	173	171	152	145	159	137	176	175	188	167	176
1	175	171	174	152	153	163	149	182	172	185	160
2	173	176	168	174	159	160	165	146	195	183	183
3	181	182	177	176	178	172	166	168	145	191	176
4	167	194	177	175	180	191	184	165	177	151	195
5	160	165	193	183	189	195	190	194	169	176	143
6	153	173	170	194	204	198	197	187	194	170	177
7	155	152	165	181	197	215	201	200	188	193	166
8	179	161	154	173	186	205	220	211	201	188	199
9	170	165	158	139	183	190	190	223	218	197	181
10	168	167	160	154	132	176	182	191	221	218	193
11	179	160	162	161	166	144	176	186	198	216	213
12	171	189	160	170	163	151	131	167	183	199	211
Total	2,204	2,226	2,170	2,177	2,249	2,297	2,327	2,395	2,449	2,434	2,373

Excludes Early Childhood

RESIDENT BIRTHS

Years	Minnesota	Suburban Hennepin County
2005	70,950	10,101
2006	73,515	10,223
2007	73,675	10,532
2008	72,382	10,212
2009	70,617	10,017
2010	68,407	9,854
2011	68,416	9,894
2012	68,783	10,294
2013	69,183	10,468
2014	69,916	10,536
2015	69,835	10,626
2016	69,746	10,400
2017	68,603	10,451
2018	67,348	10,152
2019	66,033	9,908
2020	n.a.	n.a.

KINDERGARTEN AS A PERCENTAGE OF SUBURBAN HENNEPIN COUNTY KINDERGARTEN POOL

Birth Years	Pool	Percentage	Kindergarten Year
2005; 2006	10,182	1.70%	2011-12
2006; 2007	10,430	1.64%	2012-13
2007; 2008	10,318	1.47%	2013-14
2008; 2009	10,081	1.44%	2014-15
2009; 2010	9,908	1.60 %	2015-16
2010; 2011	9,881	1.39%	2016-17
2011; 2012	10,162	1.73%	2017-18
2012; 2013	10,411	1.68%	2018-19
2013; 2014	10,513	1.79%	2019-20
2014; 2015	10,596	1.58%	2020-21
2015; 2016	10,475	1.68%	2021-22
2016; 2017	10,534		2022-23
2017; 2018	10,251		2023-24
2018; 2019	10,037		2024-25

RATIO OF KINDERGARTEN TO BIRTHS

- Westonka's share of the Suburban Hennepin County pool fluctuated but remained within a narrower range beginning in 2017-18
 - 1.69%--average of the past five years
 - 1.72%--average of the past five years omitting 2020-21 (Pandemic year)

KINDERGARTEN/BIRTH RATIOS

- Cohort survival method
 - Kindergarten assumptions
 - Low is 1.69%
 - High is 1.72%
 - Longer-term
 - In past 15 years, Suburban Hennepin County resident births increased from 14.53% to 15.00% of Minnesota resident births. Assumed Suburban Hennepin County would be at 15.10% (average of the past three years) for the next several years

PROJECTED MINNESOTA 0-YEAR OLDS

Year	Projected Number	Adjusted Number
2017 Actual	68,603	
2017	70,312	
2018 Actual	67,348	
2018	70,395	
2019 Actual	66,033	
2019	70,373	
2020	70,325	65,965
2021	70,274	65,917
2022	70,227	65,873
2023	70,191	65,814
2024	70,164	65,811
2025	70,161	65,811

Adjusted number is 93.8 percent of projected number

PROJECTED KINDERGARTEN POOL

Year	Number
2021-22	10,475
2022-23	10,534
2023-24	10,251
2024-25	10,037
2025-26	9,964
2026-27	9,956
2027-28	9,949
2028-29	9,943
2029-30	9,939
2030-31	9,938
2031-32	9,938

These projections are sensitive to minor changes in the assumptions

KINDERGARTEN PROJECTIONS

Year	@1.69%	@1.72%
2021-22	176	176
2022-23	178	181
2023-24	173	176
2024-25	170	173
2025-26	168	171
2026-27	168	171
2027-28	168	171
2028-29	168	171
2029-30	168	171
2030-31	168	171
2031-32	168	171
Total	1,697	1,727
Past ten years 1,646 Kindergarten students		

NET MIGRATION

YEAR TO YEAR

Grade	11 to 12	12 to 13	13 to 12	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21
K to 1	-2	3	0	8	4	12	6	-3	-3	-7
1 to 2	1	-3	0	7	7	2	-3	13	11	-2
2 to 3	9	1	8	4	13	6	3	-1	-4	-7
3 to 4	13	-5	-2	4	13	12	-1	9	6	4
4 to 5	-2	-1	6	14	15	-1	10	4	-1	-8
5 to 6	13	5	1	21	9	2	-3	0	1	1
6 to 7	-1	-8	11	3	11	3	3	1	-1	-4
7 to 8	6	2	8	5	8	5	10	1	0	6
8 to 9	-14	-3	-15	10	4	-15	3	7	-4	-7
9 to 10	-3	-5	-4	-7	-7	-8	1	-2	0	-4
10 to 11	-8	-5	1	12	12	0	4	7	-5	-5
11 to 12	10	0	8	2	-15	-13	-9	-3	1	-5
Total	22	-19	22	83	74	5	24	33	1	-38

NET MIGRATION YEAR TO YEAR

	11 to 12	12 to 13	13 to 14	14 to 15	15 to 16	16 to 17	17 to 18	18 to 19	19 to 20	20 to 21
K-4	21	-4	6	23	37	32	5	18	10	-12
5-7	10	-4	18	38	35	4	10	5	-1	-11
8-12	-9	-11	-2	22	2	-31	9	10	-8	-15
Total	22	-19	22	83	74	5	24	33	1	-38

PROJECTED SURVIVAL RATES

Grade	Low (2 Years Prior to Past Year)	High (4 Years Prior to Past Year)
K to 1	0.984	1.022
1 to 2	1.068	1.032
2 to 3	0.986	1.007
3 to 4	1.048	1.040
4 to 5	1.009	1.017
5 to 6	1.003	1.000
6 to 7	1.000	1.008
7 to 8	1.003	1.020
8 to 9	1.007	0.989
9 to 10	0.996	0.989
10 to 11	1.007	1.009
11 to 12	0.995	0.962

COMPARISON OF RESIDENT MIGRATION RATES

Enrollment in 2031-32 with Low Kindergarten Assumption

	Total	K-4	5-7	8-12
2 Years Prior to Past Year	2,379	866	556	957
4 Years Prior to Past Year	2,422	881	570	971

ENROLLMENT PROJECTIONS

- In ten years (2031-32)
 - Enrollment projected to increase (rather flat)
 - 2021-22 2,373
 - 2031-32
 - 2,379 to 2,454
 - Kindergarten projected to be smaller than the previous year's Grade 12 (natural decrease)
 - Net in migration projected to continue

ENROLLMENT PROJECTIONS

Year	Low K Low Mig	High K Low Mig	Low K High Mig	High K High Mig
2021-22	2,373	2,373	2,373	2,373
2022-23	2,358	2,361	2,355	2,358
2023-24	2,337	2,343	2,339	2,345
2024-25	2,332	2,341	2,338	2,347
2025-26	2,338	2,350	2,349	2,362
2026-27	2,325	2,340	2,347	2,362
2027-28	2,344	2,363	2,370	2,390
2028-29	2,352	2,374	2,384	2,406
2029-30	2,393	2,419	2,428	2,454
2030-31	2,381	2,409	2,419	2,449
2031-32	2,379	2,411	2,422	2,454

RESIDENT ENROLLMENT PROJECTIONS

	K-4	5-7	8-12	Total
2021-22	890	486	997	2,373
2026-27				
Low K/Low Mig	885	563	877	2,325
High K/Low Mig	900	563	877	2,340
Low K/ High Mig	899	570	877	2,347
High K/High Mig	915	570	877	2,362
2031-32				
Low K/Low Mig	866	556	957	2,379
High K/Low Mig	882	565	963	2,411
Low K/ High Mig	881	570	971	2,422
High K/High Mig	897	580	978	2,454
Excludes Early Childhood				

ENROLLMENT PROJECTIONS

Enrollment Change		
Grade	Five Years 2021-22 to 2026-27	Ten Years 2021-22 to 2031-21
K-4	-5 to +25 students	-24 to +7 students
5-7	+77 to +84 students	+70 to +94 students
8-12	-120 students	-19 to -40 students

ENROLLMENT PROJECTIONS

What could make these projections

- Too high
 - Projected kindergarten is too high
 - More students chose other education options
- Too low
 - Projected kindergarten is too low
 - More students enroll into the district
 - Residential development brings more school age children who will attend the Westonka Public Schools

NEW HOUSING

- Relationship between housing and K-12 enrollment is complex
 - **Unit type** affects school age child per unit yield
 - Newer single-family detached units yield more students per unit than older single-family detached units
 - As single-family detached units sell, student yield usually increases in the new units. In older units, yield is likely to decrease
 - Market value of single-family detached units affect yield. Moderately to higher priced units have higher per unit yield
 - Senior units—no students



NEW HOUSING

- Number of housing units, especially single-family detached units, increased steadily in the district and growth will continue
 - Issue is the number who will enroll in the Westonka Public Schools

YIELD PER UNIT TYPE

- Results of studies in four states—Minnesota, Wisconsin, Illinois, and Colorado
 - Single family detached K-12 yield varies by school district and by attendance area within school districts
 - Townhome yield is very consistent across all school districts across states—0.22
 - Apartments yield is very consistent across all school districts across states—0.11 to 0.15