

Bloomfield's Blueprint

*Returning to teaching &
learning for the 2020-2021
school year*



April 29, 2021



Part Five

Catchment Area Update



PTO Presentations & *Capturing* Feedback

Agenda

- Introduction/Process Overview
- District Demographics and Trends
- Pupil Enrollment Methodology
- District-wide Pupil Enrollment Projection
- Grade Cohort Review
- Questions/Answers

Process Overview

- Currently, two Bloomfield middle schools house grades 4 through 8, and one middle school houses grades 5 through 8.
- By fall of 2023, there will still be four elementary schools, and all will serve Kindergarten through grade 5, and the two middle schools, named “North Hills” and “South Hills,” will serve students in grades 6 through 8.
- The North campus will be located where Lahser High School once stood, and the South campus will stand at the current Bloomfield Hills Middle School.
- Recommendations will be presented to the Board of Education in Fall 2021





Guiding *Principles*

We will continue to honor choice, as much as possible, while creating a collective identity with consideration for transportation and an equitable in-district transfer process.

We will determine low-impact vs. high-impact transitions and review catchment areas every 3-5 years.

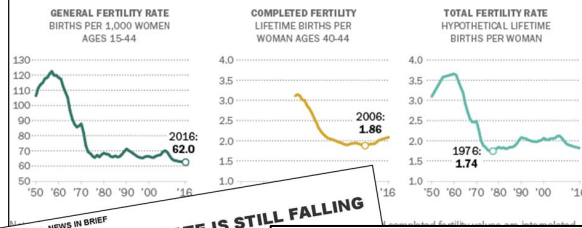
We are committed to equal-sized enrollment at all 4 elementary and 2 middle schools that reflect equitable demographics with proximity to neighborhood schools.

We are committed to looking through all decisions with a lens on equity of access and opportunity for all students and staff.

Demographics & Trends

U.S. fertility hit all-time low in 2016 ... and 2006 ... and 1976

Fertility indicators



HOME > NEWS IN BRIEF

THE U.S. BIRTH RATE IS STILL FALLING

But that's not necessarily a bad thing
KATE WHEELING - JAN 11, 2019

The fertility rate in the United States has been falling for years, dipping to its lowest point in 2016, according to a new report from the U.S. Census Bureau. This marks the seventh straight year that the fertility rate has declined. In 2017, the nationwide fertility rate was 1,765.5 births per 1,000 women. South Dakota, for example, had the highest rate in the nation at 2,110 births per 1,000 women, while Washington, D.C., had the lowest with 1,421. Only two states, North Carolina and South Carolina, had fertility rates above replacement levels.

Through the report doesn't speculate about why fertility rates have been falling, it does offer a number of factors that could be contributing to the decline. These include: "cultural shifts, economic anxiety, and a view of other factors that could be contributing to the decline. Fertility started to fall right around the time that the U.S. economy began to decline."

"It seems like the immediate causal factor is probably the recession," says the University of South Carolina. "Fertility started to fall right around the time that the U.S. economy began to decline."

"Childbearing decisions are often tied to our feelings about the future," says the University of South Carolina. "Fertility started to fall right around the time that the U.S. economy began to decline."

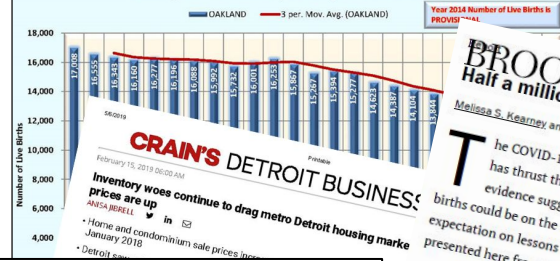
Static wages after the last recession coupled with record-high college tuition rates have led many young people to delay childbearing. Millennials with too much financial anxiety to have children. Millennials with too much financial anxiety to have children. Millennials with too much financial anxiety to have children.

U.S.: Two-thirds of first-time mothers in America worked in the service sector in 2017. Two-thirds of first-time mothers in America worked in the service sector in 2017. Two-thirds of first-time mothers in America worked in the service sector in 2017.

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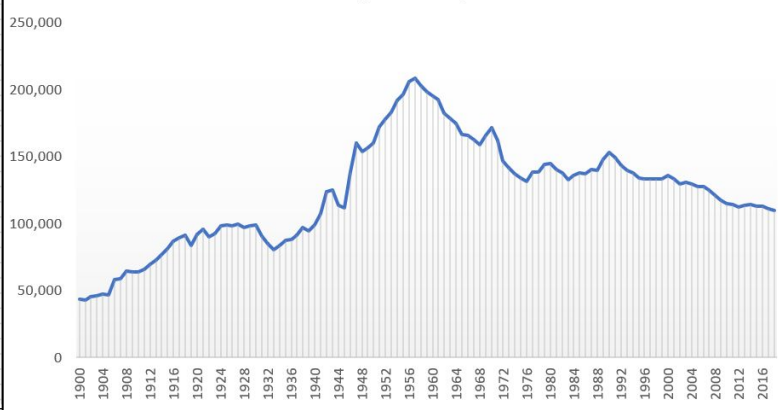
Michigan Live Birth by County of Residence *



CRAIN'S DETROIT BUSINESS

Inventory woes continue to drag metro Detroit housing market prices are up
ANSA JERRELL
February 15, 2018 9:00 AM
January 2018
Home and condominium sale prices increased in January 2018
Detroit saw a 1.5% increase in home sales in January 2018

Number of Michigan births, 1900 to 2018



BROOKINGS

Half a million fewer children? The coming COVID baby bust
Melissa S. Kearney and Phillip B. Levine Monday, June 15, 2020

The COVID-19 episode will likely lead to a large, lasting baby bust. The pandemic has thrust the country into an economic recession. Economic reasoning and past evidence suggest that this will lead people to have fewer children. The decline in births could be on the order of 300,000 to 500,000 fewer births next year. We base this expectation on lessons drawn from economic studies of fertility behavior, along with data presented here from the Great Recession of 2007-2009 and the 1918 Spanish Flu.

When the public health crisis first took hold, some people playfully speculated that there would be a spike in births in nine months, as people were "stuck home" with their romantic partners. Such speculation is based on persistent myths about birth spikes occurring nine months after blizzards or major electricity blackouts. As it turns out, those stories tend not to hold up to statistical examination (Udry, 1970). But the COVID-19 crisis is amounting to much more than a temporary stay-at-home order. It is leading to tremendous economic loss, uncertainty, and insecurity. That is why birth rates will tumble.

As economists, we focus on the underlying decisions that drive behaviors and ultimately outcomes, including having children. Our approach to modeling fertility is different than that of the medical or reproductive health community, who tend to focus on the mechanical drivers of pregnancy and giving birth, like access to birth control or abortion. These are important, of course, and we have focused on them in our own previous research (Levine and Levine, 2009; Levine, et al., 1999, and Levine, 2004). But it is important to recognize the critical role that economic conditions play in fertility choices.

Demographics & *Trends*

Plante Moran CRESA's Process

Demographic Growth

- GIS
- US Census Bureau

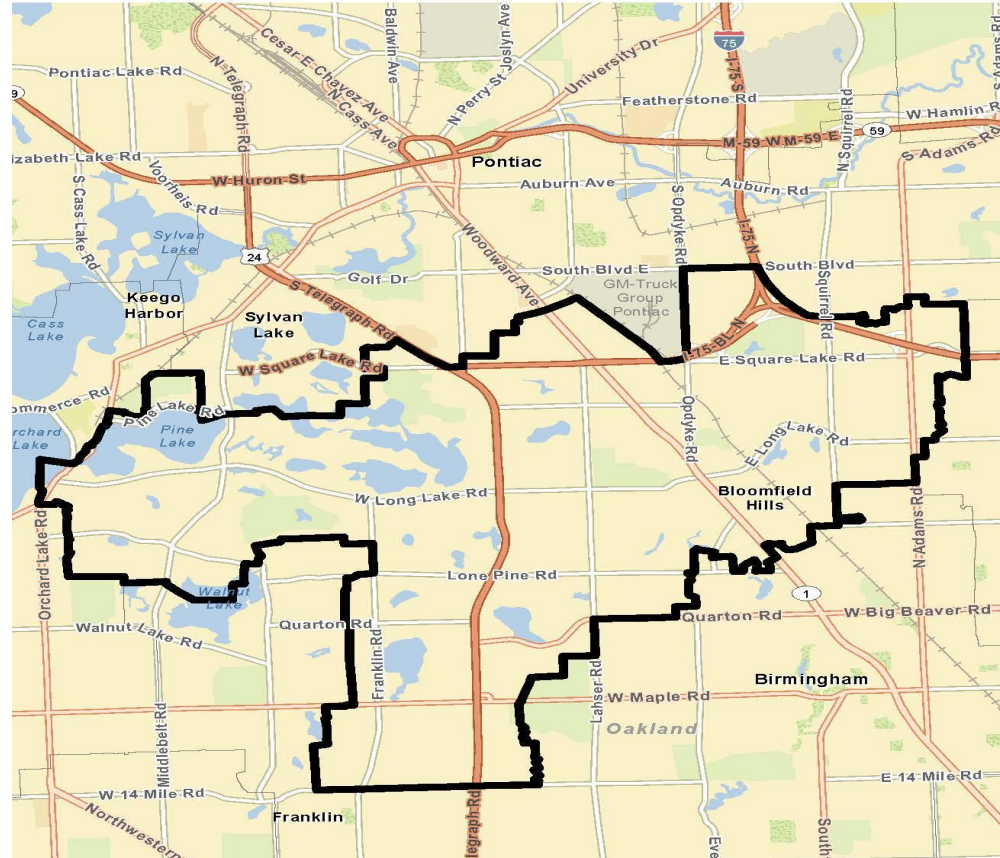
Core Base Statistical Area

- Primary Area (District)
- Comparison #1 (County)
- Comparison #2 (State)

Cohort Survival – DS 4061



Bloomfield Hills Schools



Demographics & *Trends*

Bloomfield Hills Schools' Demographics

- Median Age of Householder: 61.4
- Total # of Families: 11,418
- Households with School Age: 4,922
- % of Households with Children: 31%
- Enrolled School-Aged Children: 7,031
- Enrolled in Public PK: 44.67%
- Enrolled in Private PK: 55.33%
- Enrolled in Public K-12: 76.24%
- Enrolled in Private K-12: 23.76%

School District Data Book

=== General Characteristics Profile (Summary) ===

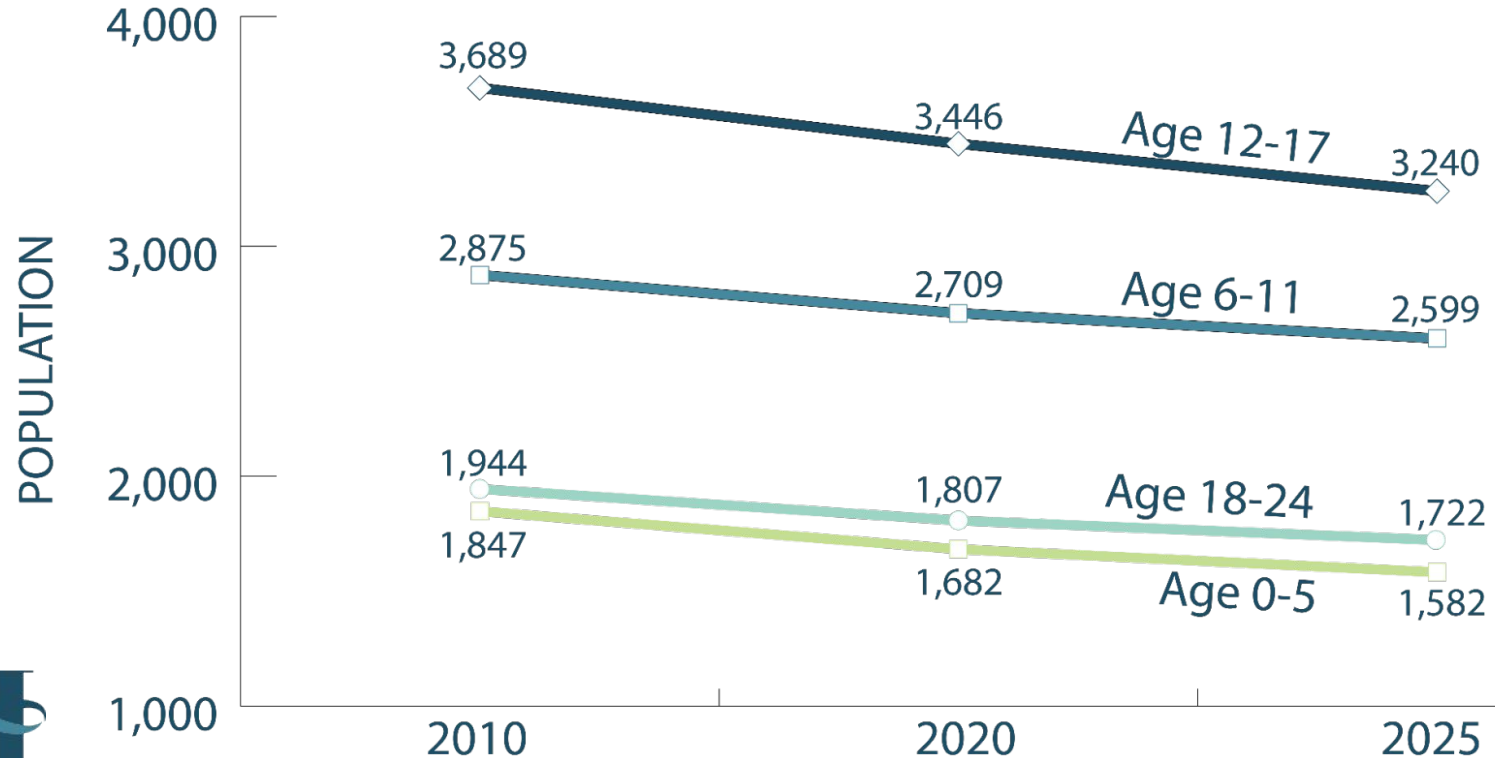
Primary Area: Bloomfield Hills Schools
Comparison Area 1: County of: Oakland
Comparison Area 2: State of: Michigan

	Primary Area	Comparison Area 1	Comparison Area 2
	Bloomfield Hills Schools	Oakland County	Michigan
County Code (Some Districts)		26125	
Grade Range (District)	KG - 12		
Total Persons	39,562	1,258,791	9,998,925
Urban Population	100.00%	95.18%	74.69%
White	73.48%	69.27%	71.90%
Black	8.62%	14.65%	14.06%
Asian	11.95%	7.38%	3.21%
Am. Indian/Alaskan	0.09%	0.31%	0.82%
Other	0.42%	1.10%	1.71%
2 or More Races	3.23%	3.35%	3.42%
Hispanic	2.22%	3.95%	4.87%
Median Age	52.6	41.4	40.2
Total Housing Units	16,925	550,041	4,635,434
Total Housing Units - Occupied	15,879	513,660	3,975,882
Median Housing Value	\$ 352,080	\$ 178,611	\$ 125,826
Median Household Income	\$ 144,822	\$ 90,893	\$ 67,645
Average Household Income	\$ 203,091	\$ 120,781	\$ 87,816
Per Capita Personal Income	\$ 81,996	\$ 49,703	\$ 35,411
High Income Average	\$ 389,410	\$ 337,807	\$ 324,462
Total Number of Families	11,418	324,499	2,517,323
Total Number of Households	15,879	513,660	3,975,882
Average Household Size	2.47	2.43	2.46
Median Household Size	2.60	2.60	2.60
Median Age of Householder	61.4	54.0	54.1
Households with School Age Children	4,922	227,680	1,494,119
% of Household with School Age Children	31.0%	44.3%	37.6%
Average # of K-12 children per household	1.43	0.94	1.21
Average # of K-12 children per housing unit	0.31	0.44	0.38
Median Year Moved In	2009	2003	2004
Enrolled School Age Children PK-12	7,031	213,435	1,806,107
Enrolled in Public Pre-primary School	44.67%	55.88%	67.90%
Enrolled in Private Pre-primary School	55.33%	44.12%	32.10%
Enrolled in Public School (K-12)	76.24%	85.92%	88.92%
Enrolled in Private School (K-12)	23.76%	14.08%	11.08%
Household Educational Attainment (Pop 25+)			
Less Than High School (no diploma)	2.09%	6.08%	9.63%
High School Graduate	8.62%	18.03%	28.17%
Some College	12.56%	20.77%	23.77%
Associate's Degree (2 years)	4.77%	8.10%	9.72%
Bachelor's Degree (4 years)	34.36%	26.82%	17.49%
Master's Degree	21.58%	14.73%	8.33%
Professional Degree	12.34%	3.50%	1.76%
Doctorate Degree	3.68%	1.97%	1.14%
Employment Profile (Pop 16+)			
White Collar Occupations	85.60%	71.09%	58.20%
Blue Collar Occupations	5.80%	14.50%	23.55%
Service Occupations	8.60%	14.41%	18.25%

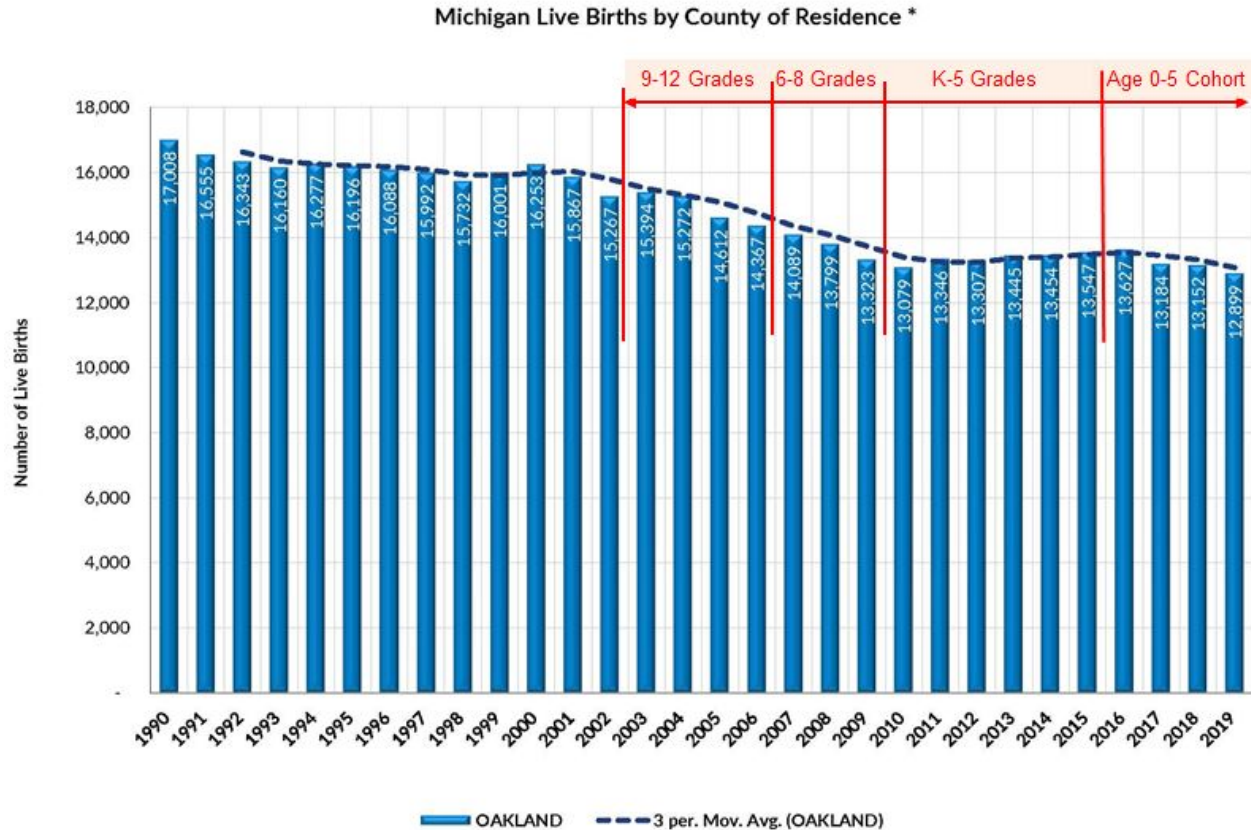


Demographics & *Trends*

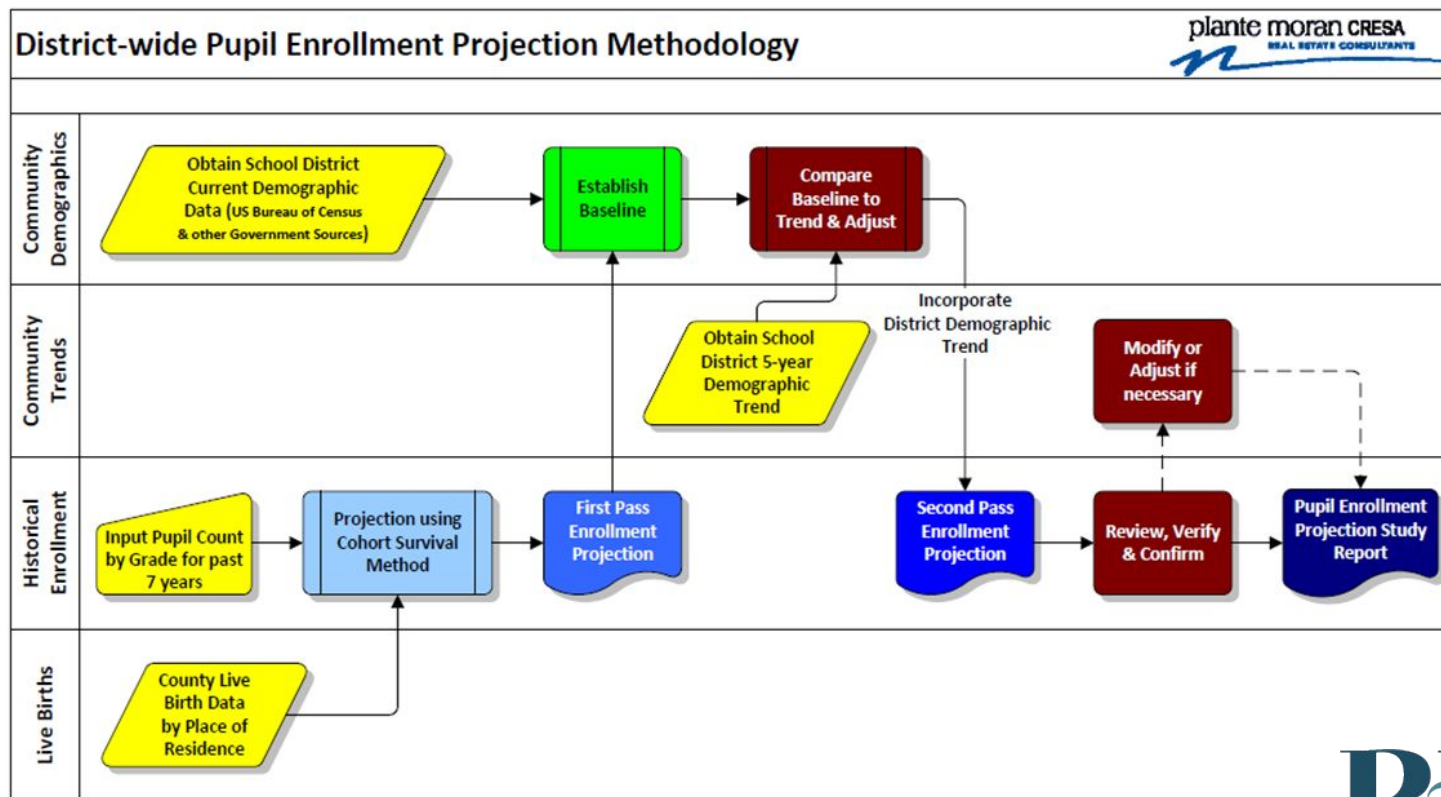
Bloomfield Hills Schools Population Trend by Age Group



Demographics & *Trends*



Methodology



District-wide *Projected* Pupil Enrollment



Start Here



ENROLLMENT PROJECTION USING COHORT SURVIVAL METHOD & Adjusted to Community Demographic Trends

Educational Agency Name: County:		Bloomfield Hills Schools OAKLAND										Method One - Based on past Six Year Survival Rate										BASED ON 2020 FALL FTE				DISTRICT WIDE (ALL PUPILS)			
		Historical										Projected																	
Birth Yr		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030						
Births		13,323	13,079	13,346	13,307	13,445	13,454	13,547	13,627	13,184	13,152	12,899	13,294	13,627	13,184	13,152	12,899	13,294	13,627	13,184	13,152	12,899	13,294						
K% Birth		2.35%	2.23%	2.67%	2.62%	2.44%	2.90%	2.68%	2.56%	2.59%	2.64%	2.63%	2.63%	2.56%	2.59%	2.64%	2.63%	2.63%	2.56%	2.59%	2.64%	2.63%	2.63%						
																						2020 Live Births is an ESTIMATE based on past 3 years trend				Anticipated Non-historical Factor: -0.08%			
		Historical Data										Projected Data																	
Grade		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035						
K		313	292	357	349	327	390	362	348	341	347	339	350	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
1		329	341	337	360	359	339	349	375	360	353	359	351	362	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
2		363	335	362	352	375	380	368	366	394	378	370	377	369	380	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
3		378	386	353	376	347	379	375	376	375	403	387	379	388	390	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
4		336	414	406	396	372	392	372	391	392	390	392	391	400	390	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
5		429	353	419	425	391	388	382	387	405	406	404	435	411	420	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
6		417	454	379	436	419	398	397	395	399	418	420	418	462	446	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
7		375	440	475	395	431	436	427	412	411	415	435	437	434	467	449	439	447	467	449	439	447	467						
8		438	387	460	485	391	437	434	434	410	419	417	422	442	446	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
9		457	442	396	455	496	407	421	437	436	427	411	424	444	444	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
10		420	478	474	414	463	504	479	448	465	444	448	446	446	446	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
11		405	436	488	477	499	461	465	477	466	462	462	465	465	465	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
12		423	422	435	498	494	427	439	472	483	452	469	468	468	468	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
K - 12		5,083	5,177	5,335	5,401	5,276	5,319	5,273	5,318	5,326	5,327	5,353	5,374	5,374	5,374	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Year-to-Year % Growth:		-106	94	158	67	-126	43	-46	45	7	1	26	21	27	27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Year-to-Year % Growth:		-2.04%	1.84%	3.05%	1.25%	-2.33%	0.82%	-0.86%	0.85%	0.14%	0.03%	0.49%	0.38%	0.38%	0.38%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
SE		295	265	285	275	268	278	274	273	273	273	274	276	276	276	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Non-released		31	46	55	64	52	37	38	38	38	38	38	38	38	38	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
Totals		5,347	5,416	5,554	5,612	5,492	5,560	5,510	5,560	5,561	5,562	5,590	5,611	5,611	5,611	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
																						demographics. Non-released students are deducted from Totals.							

District-wide *Projected* Pupil Enrollment

ENROLLMENT PROJECTION USING COHORT SURVIVAL METHOD & Adjusted to Community Demographic Trends

Method One - Based on past Six Year Survival Rate

Educational Agency Name: Bloomfield Hills Schools
County: OAKLAND

Historical Projected

Grade Pattern Compilation

BASED ON 2020 FALL FTE
DISTRICT WIDE (ALL PUPILS)

Grade Pattern	Historical Data								Projection Data									
	2014	2015	2016	2017	2018	2019	2020	2021	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
K - 1	642	634	694	709	687	729	711	723	701	699	698	701	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
K - 2	1,005	969	1,056	1,060	1,062	1,109	1,079	1,090	1,095	1,078	1,068	1,077	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
K - 3	1,383	1,355	1,408	1,436	1,409	1,489	1,454	1,466	1,470	1,480	1,455	1,456	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
K - 4	1,718	1,765	1,814	1,816	1,782	1,861	1,828	1,857	1,862	1,871	1,875	1,860	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
K - 5	2,147	2,118	2,233	2,241	2,172	2,249	2,210	2,244	2,267	2,277	2,280	2,294	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
K - 6	2,565	2,572	2,613	2,677	2,592	2,646	2,607	2,639	2,666	2,696	2,699	2,712	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
1 - 2	692	676	699	712	734	719	717	741	754	731	729	728	731	N.A.	N.A.	N.A.	N.A.	N.A.
1 - 3	1,070	1,063	1,052	1,088	1,081	1,098	1,092	1,118	1,129	1,134	1,116	1,106	1,116	N.A.	N.A.	N.A.	N.A.	N.A.
1 - 4	1,405	1,473	1,457	1,467	1,454	1,470	1,465	1,509	1,521	1,524	1,536	1,510	1,511	N.A.	N.A.	N.A.	N.A.	N.A.
1 - 5	1,834	1,825	1,876	1,892	1,845	1,858	1,848	1,895	1,926	1,931	1,940	1,945	1,928	N.A.	N.A.	N.A.	N.A.	N.A.
1 - 6	2,252	2,280	2,256	2,328	2,264	2,256	2,244	2,290	2,325	2,349	2,360	2,362	2,378	N.A.	N.A.	N.A.	N.A.	N.A.
2 - 3	741	721	715	728	722	759	743	743	769	781	757	755	754	757	N.A.	N.A.	N.A.	N.A.
2 - 4	1,077	1,131	1,120	1,107	1,095	1,131	1,116	1,134	1,161	1,172	1,177	1,159	1,149	1,159	N.A.	N.A.	N.A.	N.A.
2 - 5	1,506	1,484	1,539	1,532	1,486	1,519	1,499	1,520	1,566	1,578	1,582	1,594	1,567	1,568	N.A.	N.A.	N.A.	N.A.
2 - 6	1,923	1,938	1,919	1,968	1,905	1,917	1,895	1,915	1,965	1,996	2,001	2,012	2,016	1,999	N.A.	N.A.	N.A.	N.A.
3 - 4	713	796	758	756	720	751	748	767	767	793	807	782	780	779	782	N.A.	N.A.	N.A.
3 - 5	1,142	1,149	1,177	1,181	1,111	1,139	1,131	1,154	1,172	1,200	1,211	1,217	1,198	1,187	1,198	N.A.	N.A.	N.A.
3 - 6	1,559	1,603	1,557	1,617	1,530	1,537	1,527	1,549	1,571	1,618	1,631	1,635	1,647	1,619	1,620	N.A.	N.A.	N.A.
4 - 5	764	763	825	804	763	760	756	778	797	797	824	838	813	810	809	812	N.A.	N.A.
4 - 6	1,182	1,217	1,204	1,241	1,183	1,158	1,152	1,173	1,197	1,215	1,244	1,256	1,262	1,242	1,231	1,242	N.A.	N.A.
4 - 7	1,557	1,657	1,679	1,636	1,614	1,594	1,580	1,585	1,607	1,630	1,679	1,693	1,696	1,709	1,680	1,681	N.A.	N.A.
4 - 8	1,995	2,044	2,139	2,121	2,005	2,031	2,014	2,019	2,026	2,047	2,101	2,134	2,139	2,150	2,154	2,136,773	N.A.	N.A.
5 - 6	846	807	799	861	810	786	779	782	804	825	824	853	867	841	838	837	840	840
5 - 7	1,221	1,247	1,274	1,256	1,241	1,222	1,206	1,194	1,215	1,240	1,259	1,289	1,301	1,308	1,287	1,276	1,287	1,287
5 - 8	1,659	1,634	1,733	1,741	1,632	1,659	1,641	1,628	1,634	1,657	1,681	1,731	1,745	1,749	1,761	1,732	1,733	1,733
6 - 7	792	894	854	831	850	834	824	807	810	834	855	854	884	899	871	869	867	867
6 - 8	1,231	1,282	1,314	1,316	1,241	1,271	1,258	1,241	1,229	1,251	1,276	1,296	1,327	1,340	1,346	1,325	1,313	1,313
7 - 8	813	827	935	880	822	873	862	846	829	832	857	878	878	908	923	895	893	893
7 - 9	1,270	1,269	1,324	1,336	1,318	1,280	1,283	1,283	1,266	1,253	1,276	1,302	1,322	1,354	1,366	1,372	1,351	1,351
7 - 10	1,691	1,748	1,798	1,749	1,781	1,784	1,762	1,731	1,730	1,717	1,724	1,748	1,772	1,826	1,840	1,843	1,858	1,858
7 - 11	2,096	2,183	2,286	2,227	2,190	2,245	2,228	2,208	2,176	2,179	2,185	2,193	2,216	2,275	2,310	2,315	2,327	2,327
7 - 12	2,519	2,605	2,722	2,724	2,684	2,673	2,667	2,680	2,659	2,631	2,654	2,662	2,668	2,724	2,765	2,791	2,805	2,805
8 - 9	895	829	849	941	887	844	856	871	855	838	841	865	887	886	918	932	904	904
8 - 10	1,315	1,308	1,323	1,354	1,350	1,348	1,335	1,319	1,320	1,302	1,288	1,311	1,338	1,359	1,392	1,404	1,411	1,411
8 - 11	1,721	1,743	1,811	1,832	1,759	1,809	1,800	1,795	1,765	1,764	1,750	1,757	1,782	1,807	1,861	1,876	1,880	1,880
8 - 12	2,143	2,165	2,247	2,329	2,253	2,236	2,239	2,267	2,249	2,216	2,219	2,225	2,233	2,257	2,316	2,352	2,359	2,359
9 - 10	877	920	863	870	959	911	900	885	901	885	867	870	895	918	917	948	965	965
9 - 11	1,282	1,356	1,352	1,347	1,369	1,372	1,366	1,361	1,347	1,347	1,329	1,315	1,338	1,366	1,387	1,420	1,434	1,434
9 - 12	1,705	1,777	1,787	1,845	1,862	1,799	1,805	1,834	1,830	1,799	1,797	1,783	1,790	1,816	1,842	1,896	1,913	1,913
10 - 12	1,248	1,335	1,397	1,389	1,366	1,392	1,384	1,397	1,394	1,378	1,378	1,360	1,346	1,371	1,399	1,420	1,455	1,455



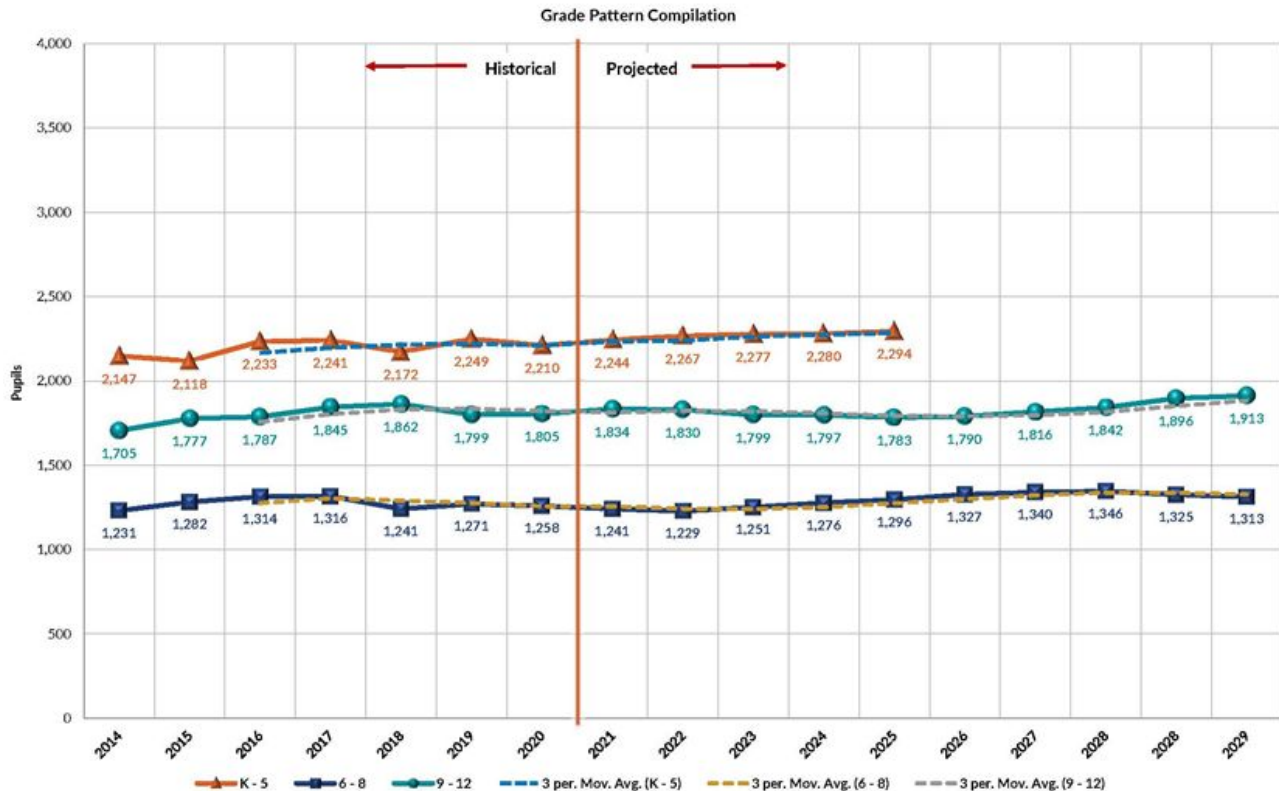
District-wide *Projected* Pupil Enrollment

ENROLLMENT PROJECTION USING COHORT SURVIVAL METHOD
& Adjusted to Community Demographic Trends

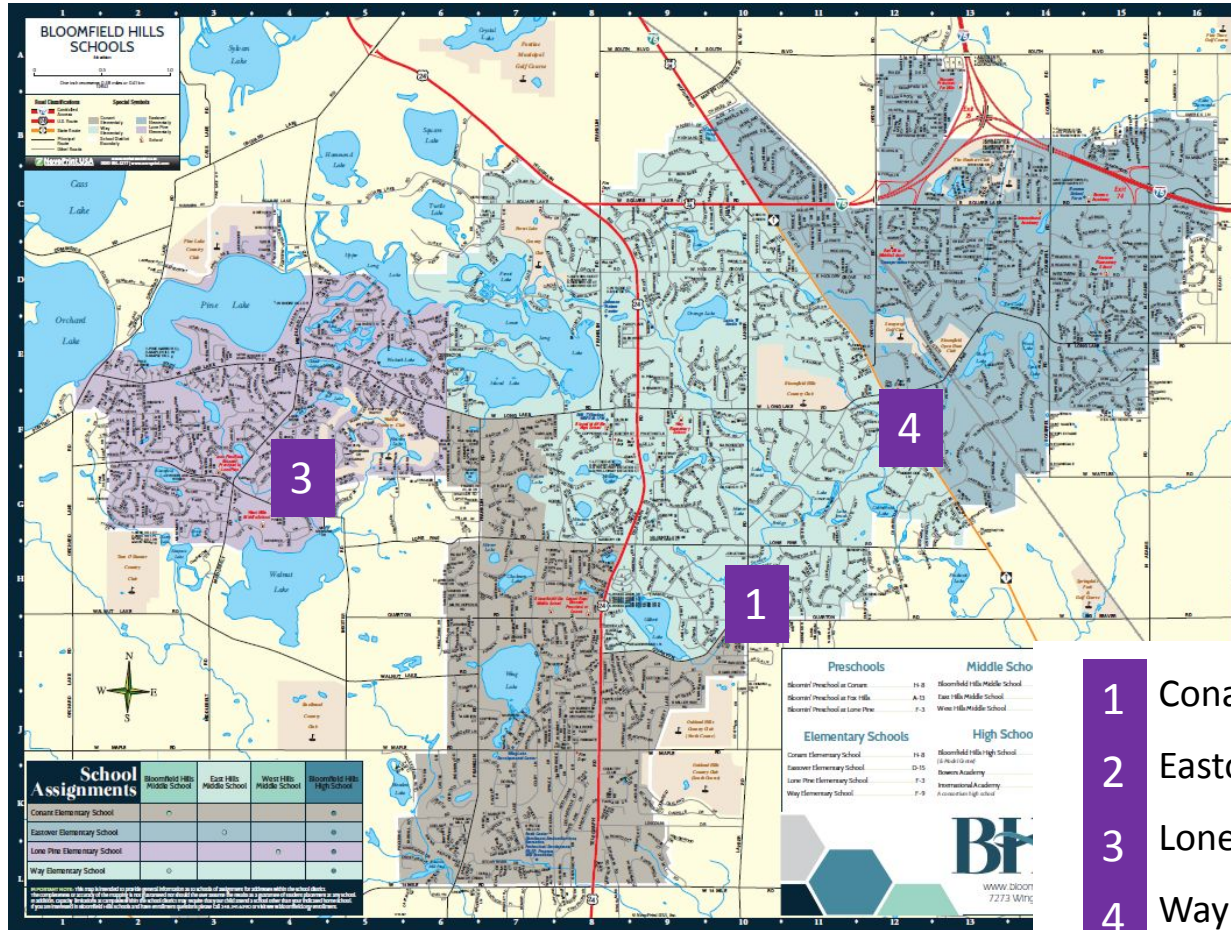
Method One - Based on past Six Year Survival Rate

Educational Agency Name: Bloomfield Hills Schools
County: OAKLAND

BASED ON 2020 FALL FTE
DISTRICT WIDE (ALL PUPILS)



Current Elementary School Boundary Map (2021)



2

4





1

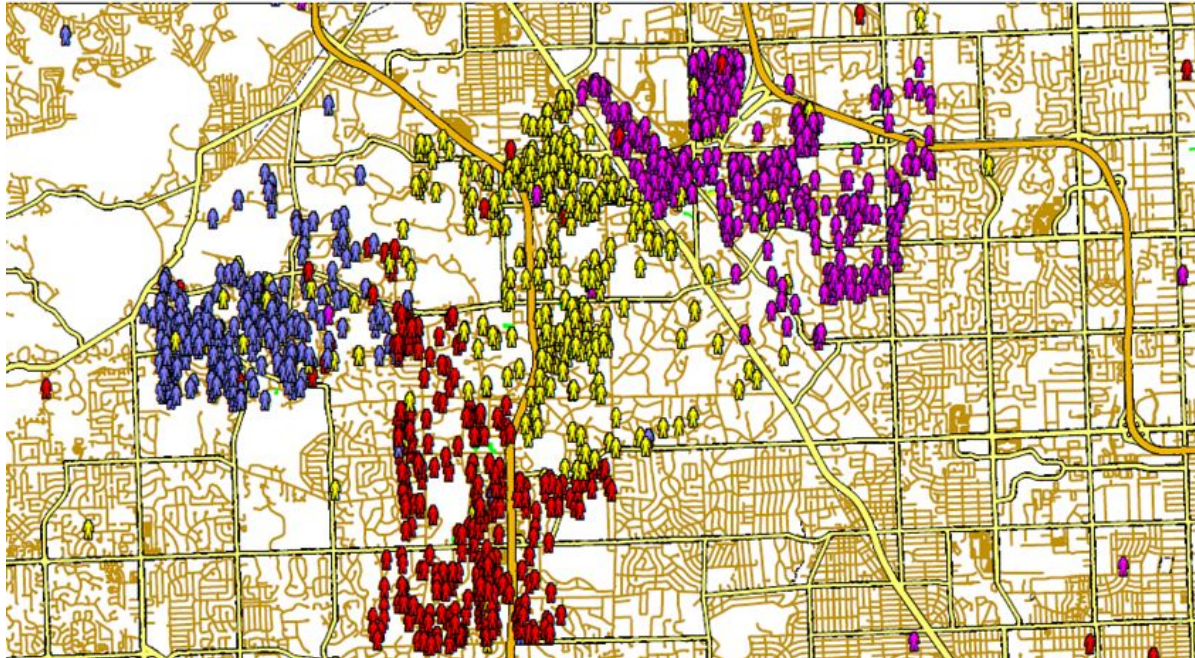
- 1 Conant
- 2 Eastover
- 3 Lone Pine
- 4 Way



Student Locator (Poly Plot) *Next Steps....*

Students by school

-  Conant (2021 Enrollment: 411 students Grade K-4)
-  Eastover (2021 Enrollment: 436 students Grade K-3)
-  Way (2021 Enrollment: 399 students Grade K-4)
-  Lone Pine (2021 Enrollment: 299 students Grade K-3)

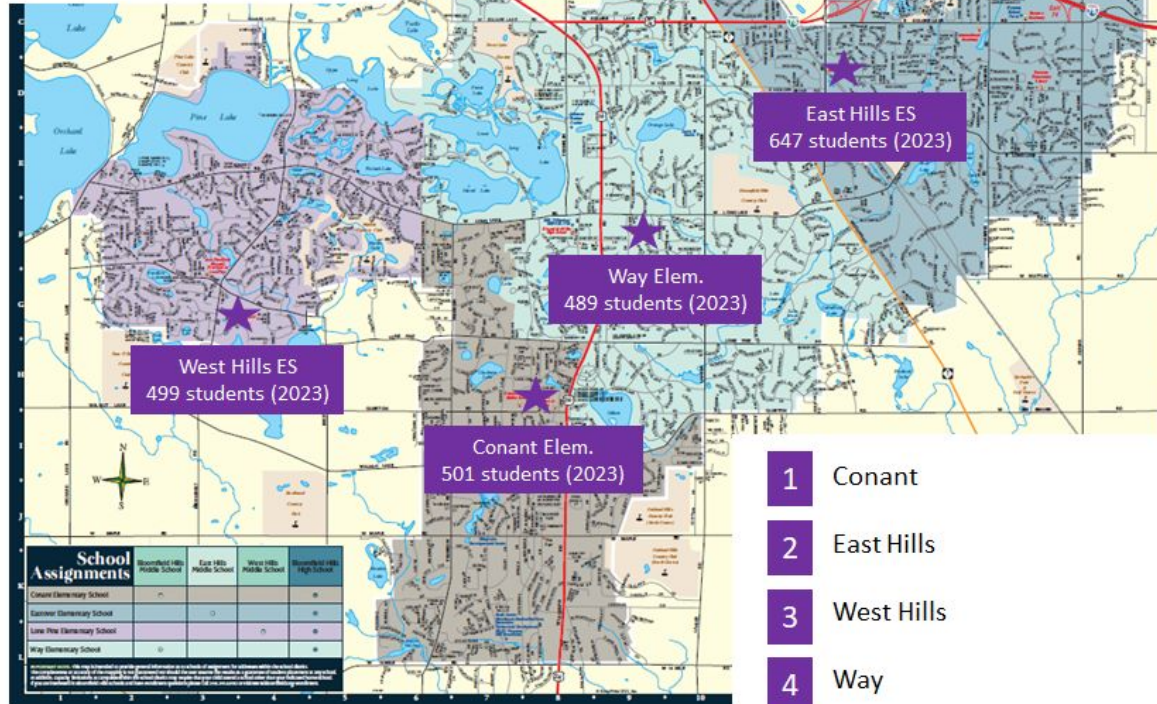


Consideration for School Boundary Map (2023)

★ School Location




Goal for 2023

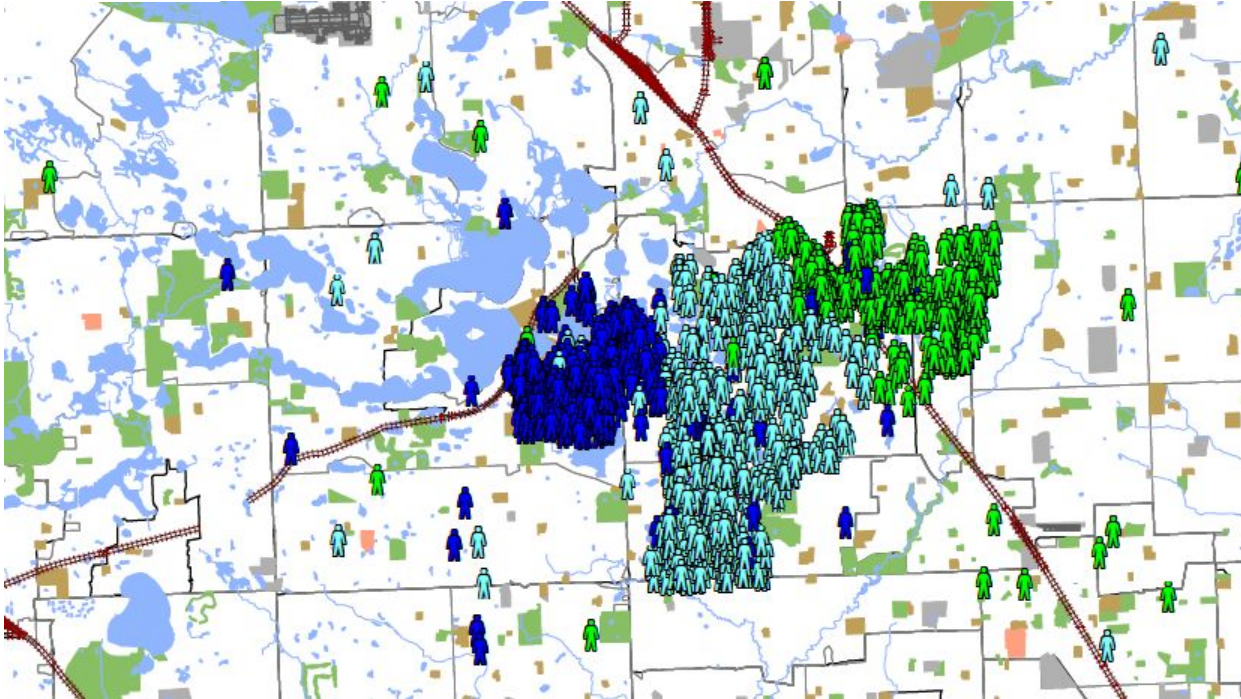
Balance enrollment to +/- 550 students at each Elementary School



Student Locator (Poly Plot) *Next Steps....*

Students by school

-  West Hills MS (2021 Enrollment: Grades 4-8 = 558 students)
-  East Hills MS (2021 Enrollment: Grade 4-8 = 597 students)
-  Bloomfield Hills MS (2021 Enrollment: Grades 5-8 = 753 students)



Consideration for School Boundary Map (2023)

★ School Location

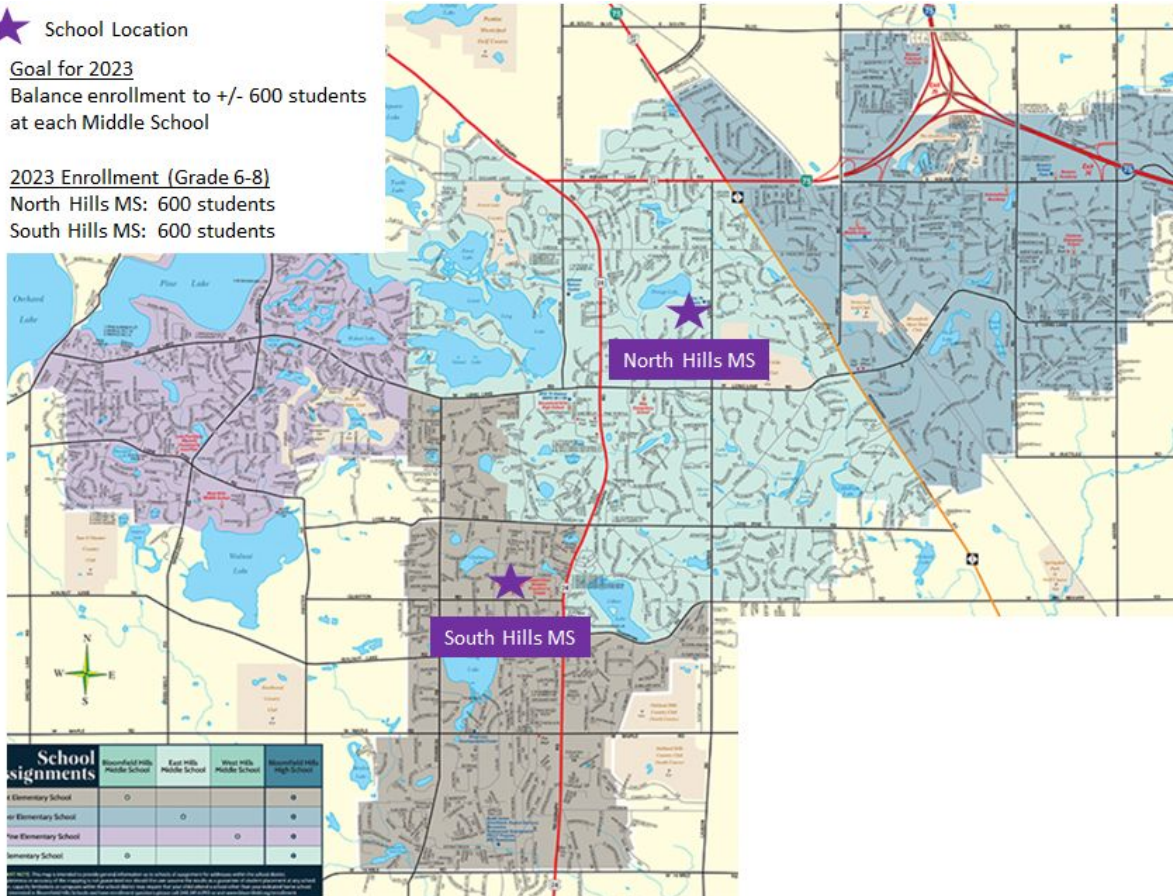
Goal for 2023

Balance enrollment to +/- 600 students
at each Middle School

2023 Enrollment (Grade 6-8)

North Hills MS: 600 students

South Hills MS: 600 students



Accomplished & Next Steps

Initiated/Ongoing/Finished

- Prepare & Study Enrollment Projections
- Establish Enrollment Targets
- Study Boundary Maps with Student Locator Poly Plots
- Assemble District Leadership Team & Generate Scenarios
 - Superintendent & Central Office, Enrollment, Transportation & Facilities, Building Administration, Communications, & 2 BoE members
- Present Information to Cabinet, FFLA, BIC, BoE (April 29th), & PTO's

Next Steps

- Form a Community Catchment Area Task-Force: Meeting May 10th
- Study Catchment Areas & Develop Maps/Models/Scenarios
- Provide Feedback to District Leadership Team Further Development
- Collect Community Feedback (summer months)
- Present Findings & Final Recommendation to the BoE (fall of 2021)





END OF SECTION

DISCUSSION