



FutureThink
PLAN TO EMPOWER

EXECUTIVE SUMMARY



Lakewood City School District
Enrollment Projections & Capacity Study
May 23, 2022

INTRODUCTION

FutureThink was contracted to develop enrollment projections and a capacity study for the Lakewood City School District.

This report contains ten-year enrollment projections, which were developed for the Lakewood City School District by analyzing the following data:

- ▶ Live birth data
- ▶ Historical enrollment
- ▶ Community school enrollment
- ▶ Open enrollment
- ▶ Community demographics
- ▶ Housing information

The projections presented in this report are meant to serve as a planning tool for the future and represent the most likely direction of the District.

The capacity study includes the capacity for each building and its current and projected enrollment. Additionally, the utilization factor is included. For elementary schools, the preferred capacity is between 85 and 90 percent. For middle and high schools, it is 85 percent.

Lakewood City School District

HISTORICAL ENROLLMENT

Over the past ten years, student enrollment in the Lakewood City School District has decreased by 1,677 students in grades Pre-K – 12, including ungraded students. Total enrollment for the 2021-22 school year is 4,254 students.

The following tables illustrate the District’s Pre-K – 12 enrollment history from 2012-13 through 2021-22.

**Lakewood City School District
Historical Enrollment**

Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Pre-K	214	209	208	214	233	211	225	187	140	188
K	466	425	382	344	359	357	319	340	267	321
1	427	442	428	371	343	352	357	287	315	269
2	440	403	426	401	373	333	354	327	265	306
3	388	408	385	407	395	356	334	327	307	270
4	382	378	412	360	393	371	345	322	305	306
5	419	385	374	403	349	388	378	340	310	317
6	438	436	404	364	410	357	405	374	339	309
7	414	432	421	382	338	382	333	393	373	321
8	463	427	418	386	353	312	374	338	378	334
9	554	475	473	433	422	361	339	415	372	377
10	454	409	439	406	392	392	359	342	382	315
11	405	417	364	422	362	355	371	327	330	317
12	460	419	406	360	390	378	351	384	331	304
Pre-K - 12 Total	5,924	5,665	5,540	5,253	5,112	4,905	4,844	4,703	4,414	4,254
Ungraded	7	8	6	21	15	8	4	5	3	0
Grand Total	5,931	5,673	5,546	5,274	5,127	4,913	4,848	4,708	4,417	4,254

Source: Lakewood City School District

**Lakewood City School District
Historical Enrollment by Grade Group**

Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Pre-K - 5	2,736	2,650	2,615	2,500	2,445	2,368	2,312	2,130	1,909	1,977
6 - 8	1,315	1,295	1,243	1,132	1,101	1,051	1,112	1,105	1,090	964
9 - 12	1,873	1,720	1,682	1,621	1,566	1,486	1,420	1,468	1,415	1,313
Pre-K - 12 Total	5,924	5,665	5,540	5,253	5,112	4,905	4,844	4,703	4,414	4,254
Ungraded	7	8	6	21	15	8	4	5	3	0
Grand Total	5,931	5,673	5,546	5,274	5,127	4,913	4,848	4,708	4,417	4,254

Source: Lakewood City School District

Lakewood City School District

COMMUNITY SCHOOL ENROLLMENT

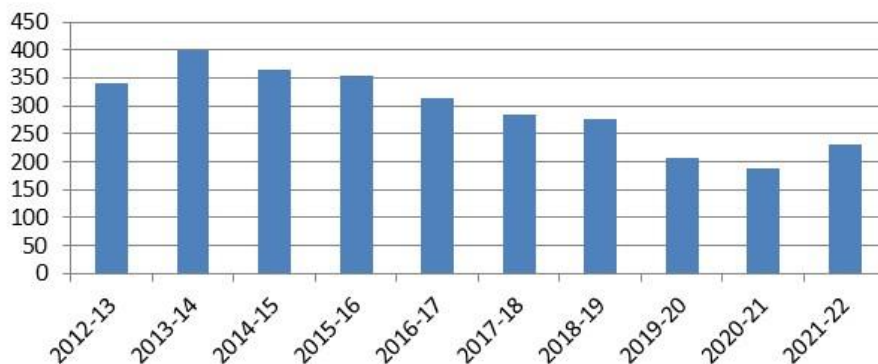
Since 2012-13, the number of Lakewood City School District students attending community schools has decreased from 341 to 230 students with some fluctuation. Enrollment of Lakewood City School District students attending community schools should be closely monitored as it may have a significant impact on District enrollment in the future.

Lakewood City School District
Community School Enrollment

Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
Pre-K	0	0	0	0	0	0	0	0	0	3
K	6	23	15	13	15	15	14	11	16	15
1	16	11	12	15	19	23	18	14	13	21
2	11	26	8	13	13	10	22	20	13	13
3	8	19	16	6	14	17	12	20	16	16
4	7	11	15	8	6	13	14	10	21	14
5	15	16	11	12	11	7	9	11	10	17
6	9	17	9	13	16	11	16	11	14	20
7	41	32	33	28	29	16	18	14	16	19
8	38	50	43	32	23	26	18	15	14	9
9	63	80	73	79	54	55	55	27	16	20
10	48	50	61	50	30	36	28	22	13	22
11	56	37	43	46	41	19	16	16	15	22
12	23	29	24	38	42	37	36	16	12	19
Ungraded	0	0	3	0	2	0	0	0	0	0
Grand Total	341	401	366	353	315	285	276	207	189	230

Source: Lakewood City School District

Lakewood City School District
Students Attending Community Schools



Lakewood City School District

LIVE BIRTH DATA

Utilization of live birth data is recommended when projecting future kindergarten enrollments as it provides a helpful overall trend. The live birth counts are used in determining a birth-to-kindergarten survival ratio. This ratio identifies the percentage of children born in a representative area who attend kindergarten in the District five years later.

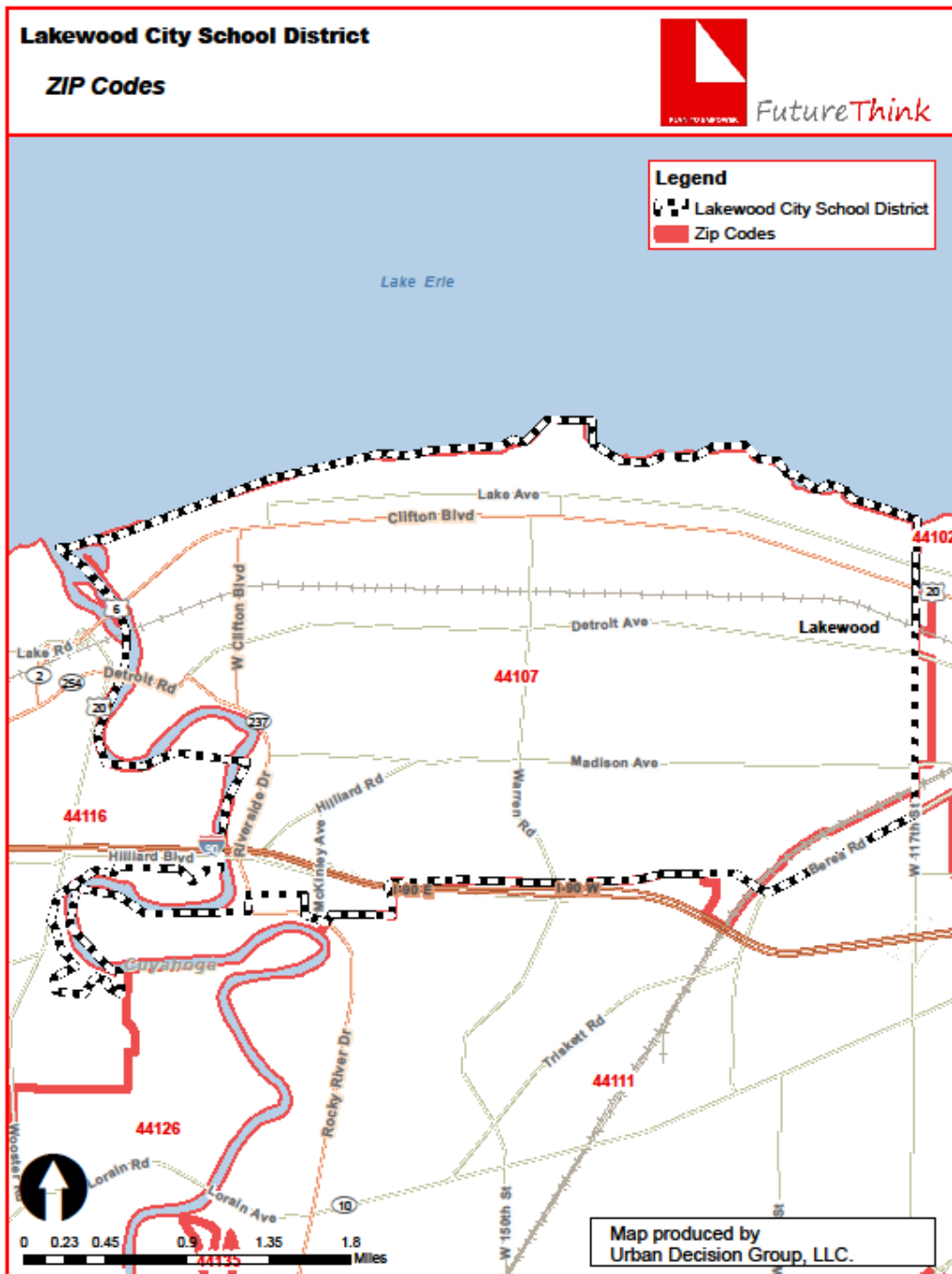
The following table includes the live birth counts for zip codes 44107, 44111, and 44116. However, upon analysis of the map on page 15, only zip code 44107 was used for projection purposes.

**Lakewood City School District
Live Birth Count by Zip Code
2006-2020**

Year	44107	44111	44116	Total # of Live Births	Total # of Live Births Used
2006	674	598	220	1,492	674
2007	694	567	213	1,474	694
2008	653	618	210	1,481	653
2009	647	520	196	1,363	647
2010	691	603	189	1,483	691
2011	656	547	199	1,402	656
2012	705	525	172	1,402	705
2013	612	570	210	1,392	612
2014	622	576	203	1,401	622
2015	592	571	221	1,384	592
2016	582	560	215	1,357	582
2017	528	530	220	1,278	528
2018	535	536	221	1,292	535
2019	510	513	216	1,239	510
2020	484	505	198	1,187	484

Source: Ohio Department of Health, Public Health Data Warehouse

Lakewood City School District



Lakewood City School District

DEMOGRAPHICS

The Lakewood City School District is comprised of Lakewood City in Cuyahoga County. General demographic data is included in the following tables for the areas located completely or partially in the District.

General Demographic Information

	Cuyahoga County	State of Ohio
Per Capita Income	\$33,114	\$31,552
Median Household Income	\$50,366	\$56,602
Persons Below Poverty	17.5%	14.0%

Source: US Census, American Community Survey, 2019 5-Year Estimates

Total Population

	2010 Census	2020 Census
Cuyahoga County	1,280,122	1,264,817
Lakewood City	52,131	50,942

Source: 2010: DEC Summary File 2; 2020 Decennial Census

Also included are block group estimates and projections provided by ESRI. ESRI uses a time series of estimates from the U.S. Census Bureau that includes the latest estimates and inter-censal estimates adjusted for error of closure. The Census Bureau's time series is consistent, but testing has revealed improved accuracy by using a variety of sources to track county population trends.

ESRI also employs a time series of building permits and housing starts plus residential deliveries. Data sources are integrated and then analyzed by Census Block Groups.

Sources of data include:

- ▶ Supplementary Surveys of the Census Bureau
- ▶ Bureau of Labor Statistics' (BLS) Local Area Unemployment Statistics
- ▶ BLS Occupational Employment Statistics
- ▶ *InfoUSA*
- ▶ U.S. Bureau of the Census' Current Population Survey
- ▶ National Planning Association Data Service

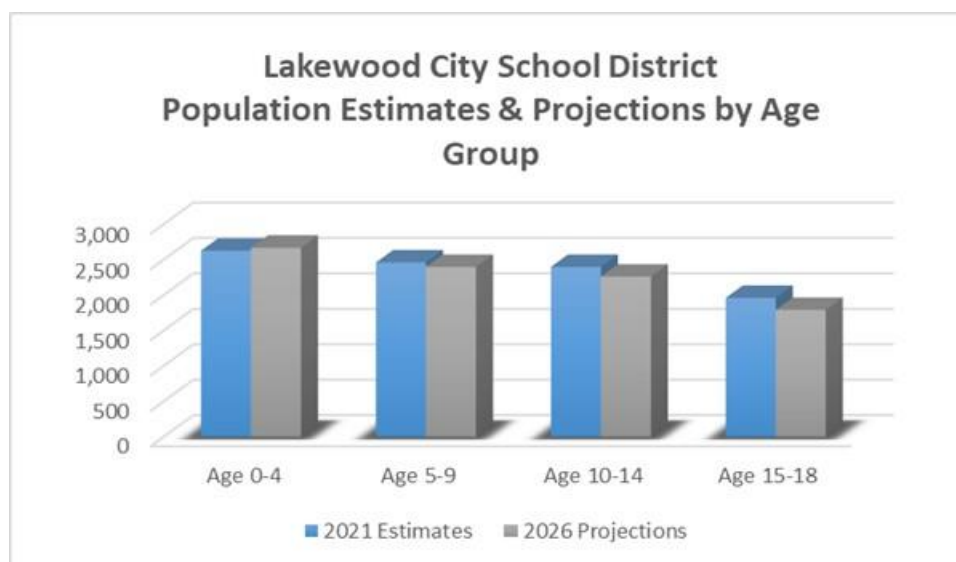
Lakewood City School District

The following tables illustrate the current estimates and 5-year population projections based on block groups that comprise the school district, indicating areas of current and projected growth. The tables have been developed to determine selected age group projections and projections for household income, family size, and total households.

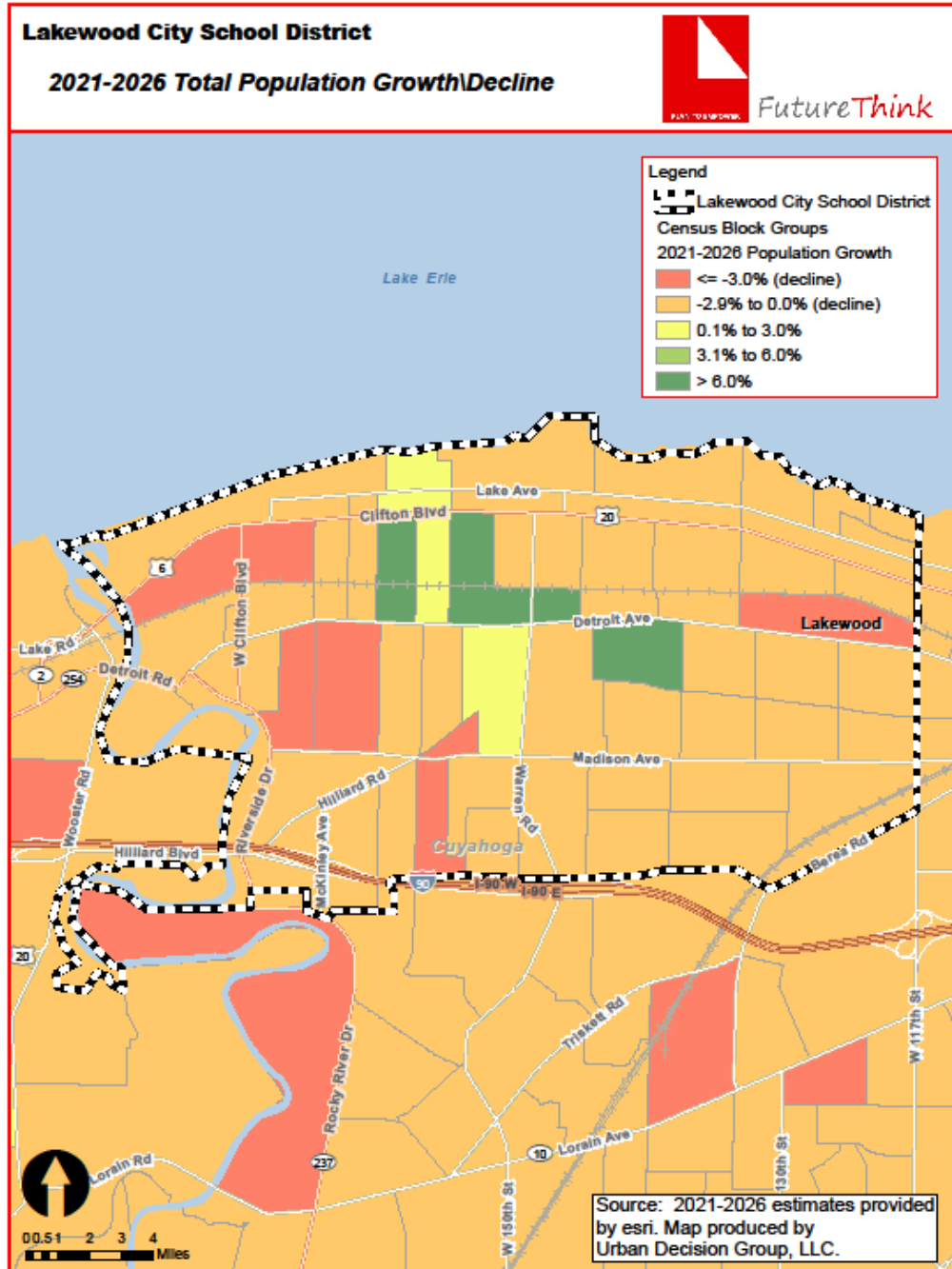
The total population in the District is 51,137. This population is projected to increase by 186 people, or less than 1% over a 5-year period. The 0-18-year-old population in the District currently totals 9,453. This population is projected to decrease by 328 people, or 3.5 percent. The median age is projected to increase by approximately 1%, from 38.2 to 38.7 years of age.

Lakewood City School District	2021 Estimates	2026 Projections	Change 2021-26	Change 2021-26 (%)
Total Population	51,137	51,323	186	0.4%
Age 0-4	2,628	2,670	42	1.6%
Age 5-9	2,462	2,399	-63	-2.6%
Age 10-14	2,400	2,263	-137	-5.7%
Age 15-18	1,963	1,793	-170	-8.7%
Total Age 0-18	9,453	9,125	-328	-3.5%
Median Age	38.2	38.7	0.5	1.3%

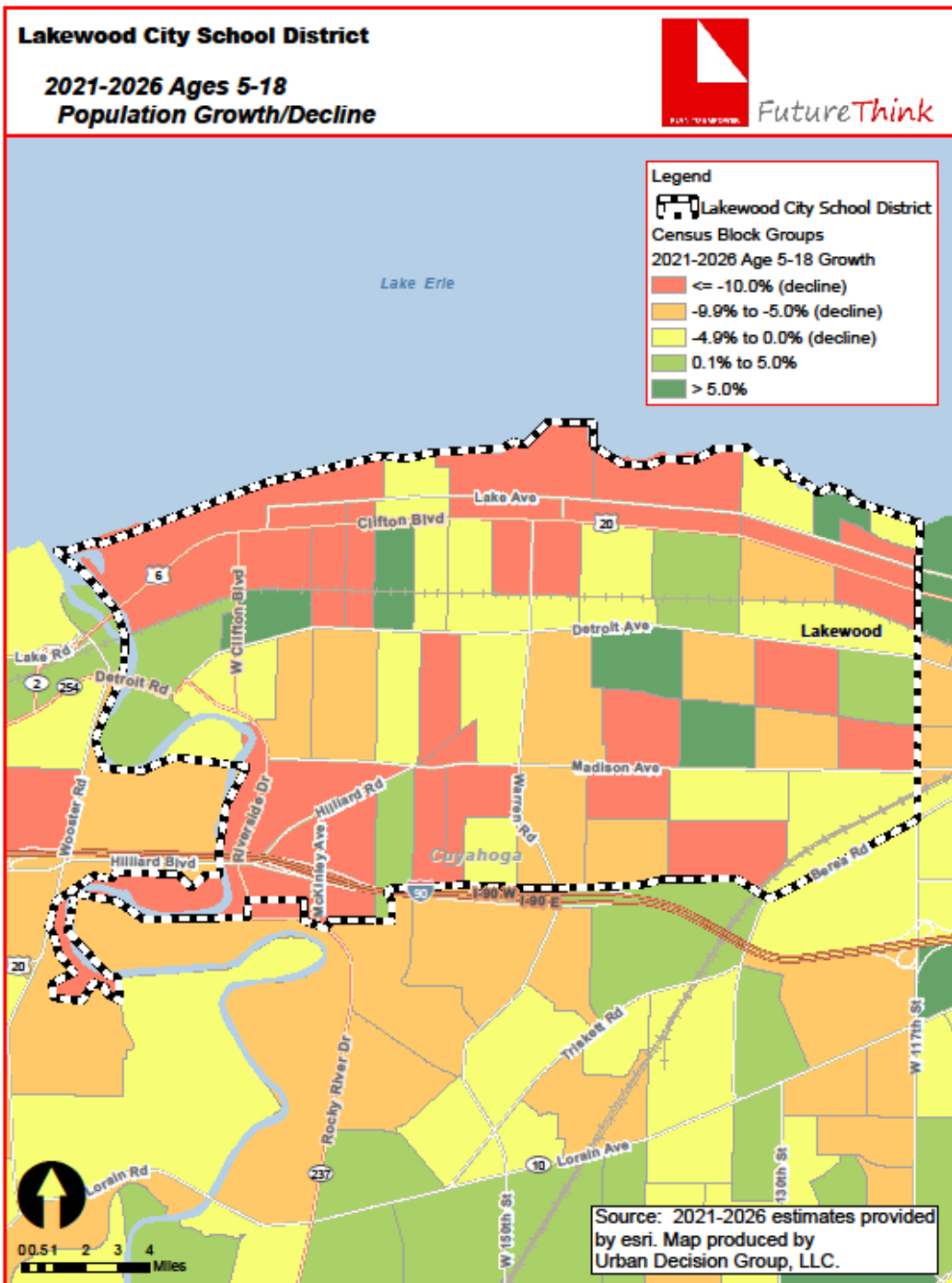
Source: ESRI



Lakewood City School District



Lakewood City School District



Lakewood City School District

ENROLLMENT PROJECTION

Enrollment projections were developed after analyzing the data collected in this report. The projections indicate a decrease of 548 students in grades Pre-K through 12 from the 2021-22 to the 2031-32 school year. The following tables illustrate projected enrollments by grade and by grade group through the 2031-32 school year.

Lakewood City School District
Projected Enrollment

Grade	2021-22 Actual	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32
Pre-K	188	183	186	177	168	178	178	178	178	178	178
K	321	307	312	297	282	298	298	298	298	298	298
1	269	312	299	302	288	273	290	290	290	290	290
2	306	257	302	289	292	279	264	279	279	279	279
3	270	299	253	294	282	285	272	257	274	274	274
4	306	259	289	243	281	270	273	261	247	262	262
5	317	296	254	282	238	277	265	269	256	243	258
6	309	322	309	265	296	259	309	279	281	269	256
7	321	296	311	300	257	288	251	301	270	274	261
8	334	292	281	297	286	246	274	239	287	258	262
9	377	365	339	311	325	313	267	298	258	311	275
10	315	349	356	331	305	318	307	262	290	254	304
11	317	273	320	329	306	281	293	282	240	268	234
12	304	309	279	329	336	313	287	300	288	247	275
Pre-K - 12 Total	4,254	4,119	4,090	4,046	3,942	3,878	3,828	3,793	3,736	3,705	3,706

Source: FutureThink

Lakewood City School District
Projected Enrollment by Grade Group

Grade	2021-22 Actual	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32
Pre-K	188	183	186	177	168	178	178	178	178	178	178
K - 5	1,789	1,730	1,709	1,707	1,663	1,682	1,662	1,654	1,644	1,646	1,661
6 - 8	964	910	901	862	839	793	834	819	838	801	779
9 - 12	1,313	1,296	1,294	1,300	1,272	1,225	1,154	1,142	1,076	1,080	1,088
Pre-K - 12 Total	4,254	4,119	4,090	4,046	3,942	3,878	3,828	3,793	3,736	3,705	3,706

Source: FutureThink

Lakewood City School District

CAPACITY STUDY

An analysis of each school's capacity vs. its current and projected enrollment was conducted. Typically, a utilization of 85% is optimum. For elementary schools, the optimum capacity is between 85 and 90 percent. All buildings are below 85% currently and in the future.

At the elementary level, there is a total of 2,944 seats. In five years, the projected enrollment is 1,682, leaving 1,262 seats in excess. At the middle school level, there is an excess of 735 seats in 5 years. At the high school, there is an excess of 1,065 seats in 5 years. The Franklin School of Opportunity has an excess of 125 seats in 5 years and an excess of 100 seats in 10 years.

The following table and graph illustrate the capacity and current and projected enrollment for each school. Please note that Pre-K is not included in the elementary school enrollments.

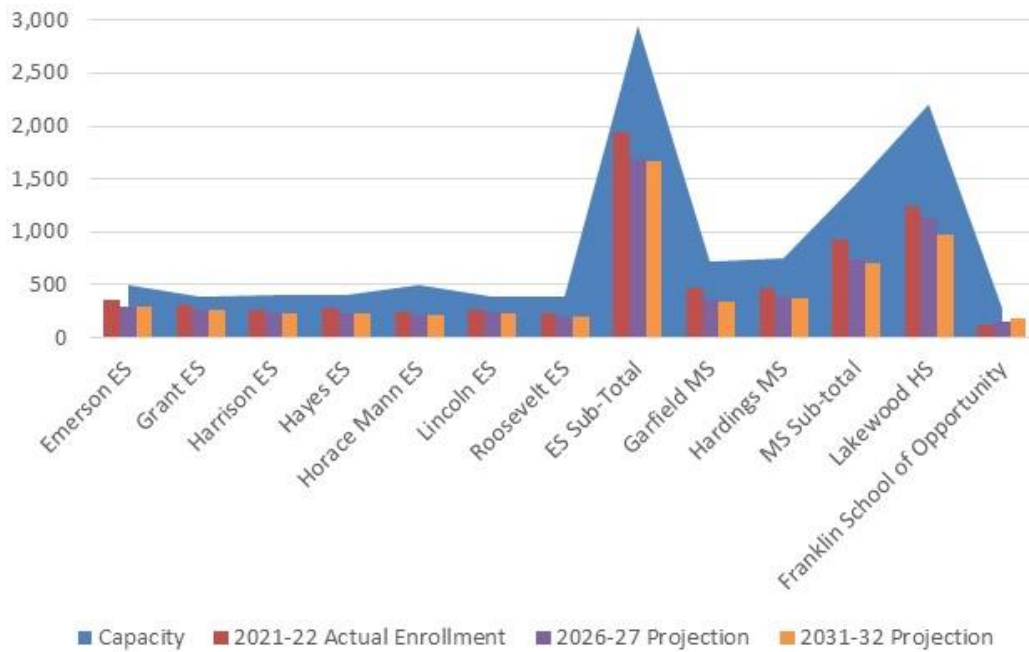
Lakewood City School District
Capacity vs. Current & Projected Enrollment

School	Capacity	2021-22 Actual Enrollment	Utilization	2026-27 Projection	Utilization	2031-32 Projection	Utilization
Emerson ES	500	356	71%	293	59%	288	58%
Grant ES	381	308	81%	262	69%	260	68%
Harrison ES	400	259	65%	234	59%	235	59%
Hayes ES	400	280	70%	231	58%	227	57%
Horace Mann ES	500	248	50%	220	44%	215	43%
Lincoln ES	382	258	68%	242	63%	238	62%
Roosevelt ES	381	223	59%	200	52%	198	52%
ES Sub-Total	2,944	1,932	66%	1,682	57%	1,661	56%
Garfield MS	718	461	64%	351	49%	341	47%
Harding MS	750	461	61%	382	51%	371	49%
MS Sub-total	1,468	922	63%	733	50%	712	49%
Lakewood HS	2,200	1,243	57%	1,135	52%	980	45%
Franklin School of Opportunity	275	125	45%	150	55%	175	64%
Total	6,887	4,222	61%	3,700	54%	3,528	51%

Source: Lakewood City School District

Lakewood City School District

**Lakewood City School District
Capacity vs. Enrollment**



CONCLUSION

As with any projection, the District should pay close attention to live birth counts, enrollment in elementary schools, community school enrollment, open enrollment, and any housing growth. Each of these factors will have an impact on future student enrollment.

FutureThink is pleased to have had the opportunity to provide the District with enrollment projection and capacity analysis services. We hope this document will provide the necessary information to make informed decisions about the future of the Lakewood City School District.