



*FutureThink*  
PLAN TO EMPOWER

# FINAL REPORT



OHIO FACILITIES CONSTRUCTION COMMISSION

**Canfield Local School District**

Mahoning County  
Enrollment Projections  
February 15, 2023

## Canfield Local School District

### INTRODUCTION

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Based on a request from the Ohio Facilities Construction Commission, **FutureThink** was contracted to develop enrollment projections for the Canfield Local School District.

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

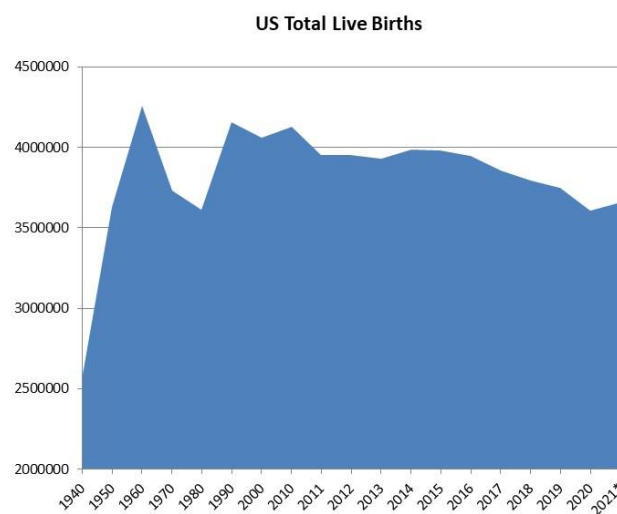
- ▶ Live birth data
- ▶ Historical enrollment
- ▶ Community school enrollment
- ▶ Open enrollment
- ▶ Community demographics
- ▶ Housing information

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.

## Canfield Local School District

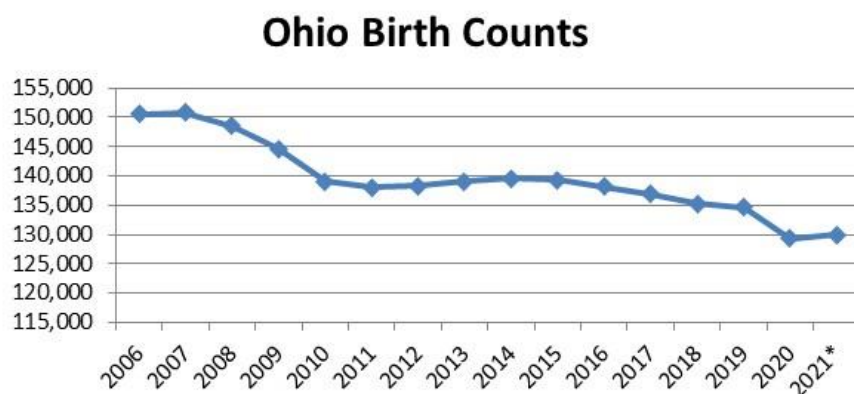
## NATIONAL &amp; OHIO TRENDS IN ENROLLMENT

Tracing the landscape of the country's public school enrollment back over the past 80 years reveals demographic, economic, and social changes. The United States as a whole continues to undergo major shifts in public student enrollment. The baby boom of the late 1940s and 50s was followed by the baby bust of the 1960s and 70s. An "echo" baby boom occurred in the 1980s, which then was followed by the "echo" baby bust from 1990 to 2000. There was a slight uptick from 2000 to 2010. There has been steady decline since 2014. The decrease from 2019 to 2020 was approximately 4 percent. However, in 2021, there was a slight uptick of 1.5 percent.



Source: CDC, NVSS, National Vital Statistics Reports, Volume 68, Number 20, May 2022

Ohio has experienced a similar trend in live births as seen around the country. Births increased slightly in 2006 and 2007, but there has been steady decline since 2014. In 2020, the birth count total was 129,309, a decrease of approximately 4% from the 2019 count. In 2021, there was a slight uptick of less than 0.5 percent.



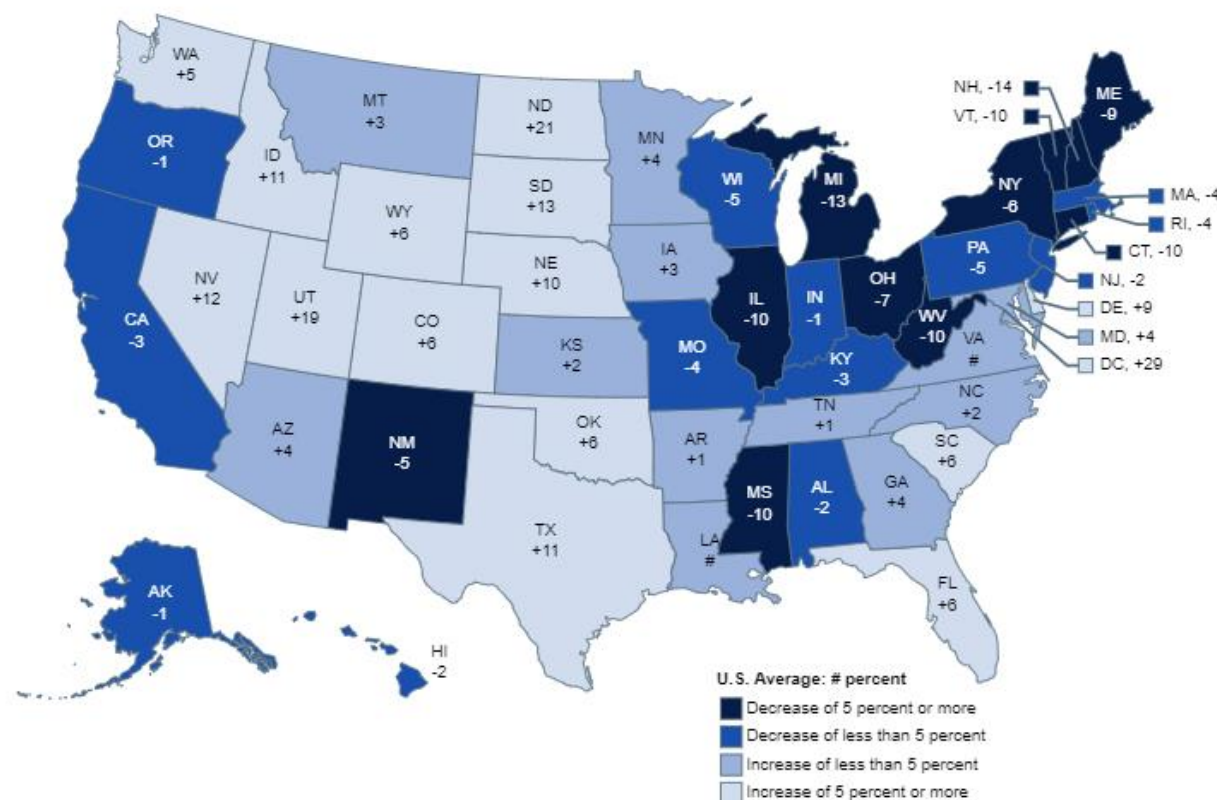
## Canfield Local School District

In addition to births dropping in Ohio, the state is also aging. The median age in 2021 was 40.5 years of age while the national median age was 38.8 years. In 2010, the median age in Ohio was 38.3 years.

From the 2019-20 to the 2020-21 school year, total public school enrollment in Pre-K - 12 dropped from 50.8 million to 49.4 million students. From 2009-10 to the 2019-20 school year, however, enrollment had increased overall by 1.4 million.

The figure below illustrates the change in Pre-K - 12 public school enrollment from the 2009-10 to the 2020-21 school year. States with growth in enrollment were primarily in the southeast and west. Ohio experienced a decrease of 7 percent.

**Figure 2. Percentage change in public elementary and secondary school enrollment, categorized into specific ranges, by state: Fall 2009 to fall 2020**



# Rounds to zero.

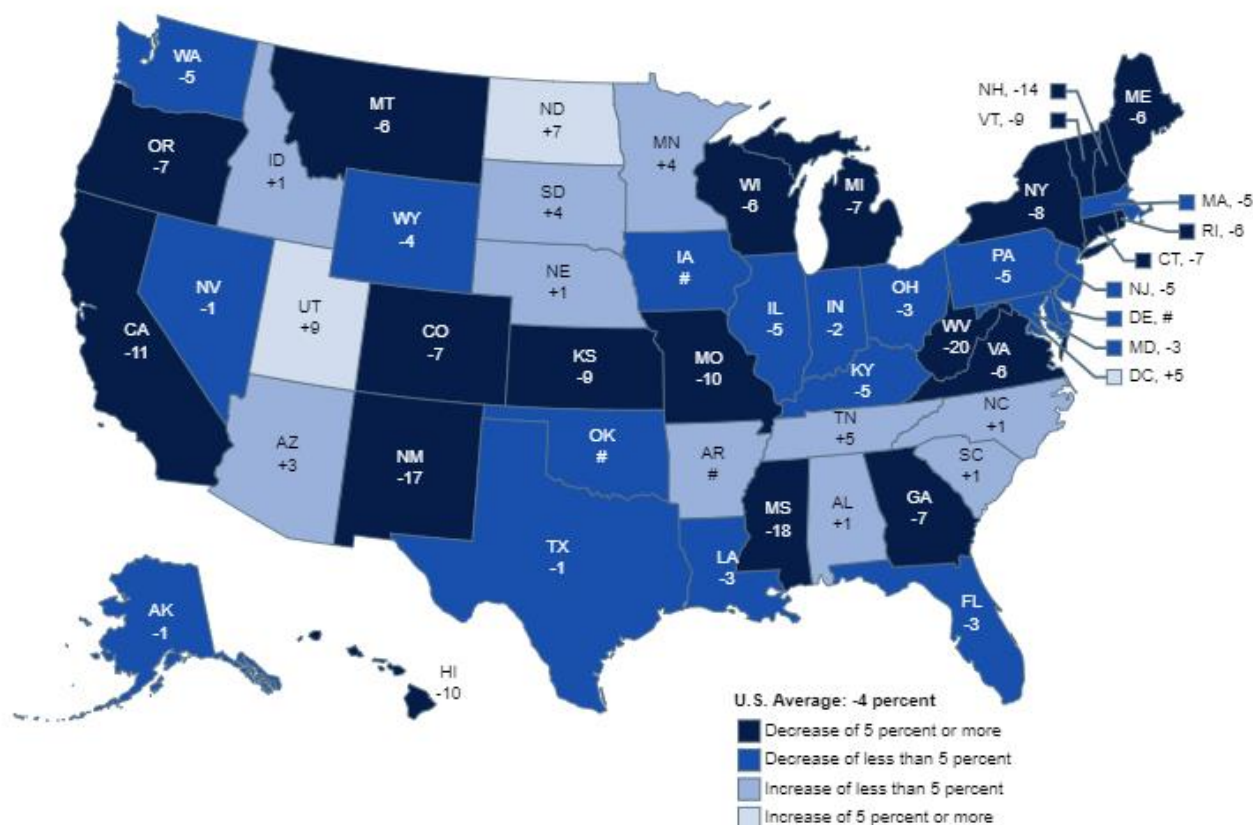
NOTE: U.S. average is for the 50 states and the District of Columbia. Data include both traditional public schools and public charter schools. Includes imputations for nonreported prekindergarten enrollment in California and Oregon for fall 2020. Includes imputations for nonreported enrollment for all grades in Illinois for fall 2020. Categorizations are based on unrounded percentages.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "State Nonfiscal Survey of Public Elementary/Secondary Education," 2009-10 and 2020-21 Preliminary. See *Digest of Education Statistics 2021*, table 203.20.

## Canfield Local School District

The figure below illustrates the projected change in Pre-K-12 public school enrollment from the 2020-21 to the 2030-31 school year. Growth is expected to continue primarily in parts of the southeast and upper midwest. Ohio is projected to experience a decrease of 3 percent.

**Figure 3. Projected percentage change in public elementary and secondary school enrollment, categorized into specific ranges, by state: Fall 2020 to fall 2030**



# Rounds to zero.

NOTE: U.S. average is for the 50 states and the District of Columbia. Data include both traditional public schools and public charter schools. Includes imputations for nonreported prekindergarten enrollment in California and Oregon for fall 2020. Includes imputations for nonreported enrollment for all grades in Illinois for fall 2020. Projections in this figure were calculated after the onset of the coronavirus pandemic and take into account the expected impacts of the pandemic. Categorizations are based on unrounded percentages.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "State Nonfiscal Survey of Public Elementary/Secondary Education," 2020-21 Preliminary; and State Public Elementary and Secondary Enrollment Projection Model, through 2030. See *Digest of Education Statistics 2021*, table 203.20.



## Canfield Local School District

From 2011-12 to 2020-21, Ohio public school enrollment declined by 121,387 students or approximately 7 percent. In 2021-22, there was a slight uptick of 5,810 or less than 0.5 percent.

## Ohio Public School Enrollment

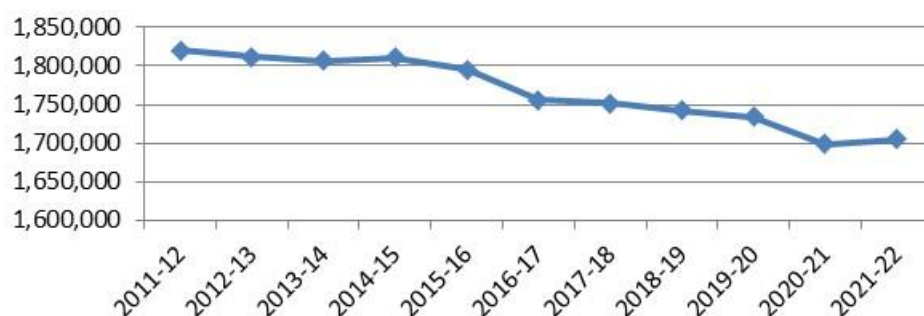
2011-12 - 2021-22

Year	October Headcount*
2011-12	1,820,312
2012-13	1,811,532
2013-14	1,806,267
2014-15	1,810,577
2015-16	1,795,339
2016-17	1,755,552
2017-18	1,751,888
2018-19	1,742,715
2019-20	1,733,911
2020-21	1,698,925
2021-22	1,704,735

Source: Ohio Department of Education

\*includes grades K-12 and ungraded

## Ohio Public School Enrollment



## Canfield Local School District

From 2011-12 to 2020-21, non-public school enrollment declined by 17,08 students or approximately 10 percent. However, in 2021-22, enrollment increased by over 4,000 students or approximately 3 percent.

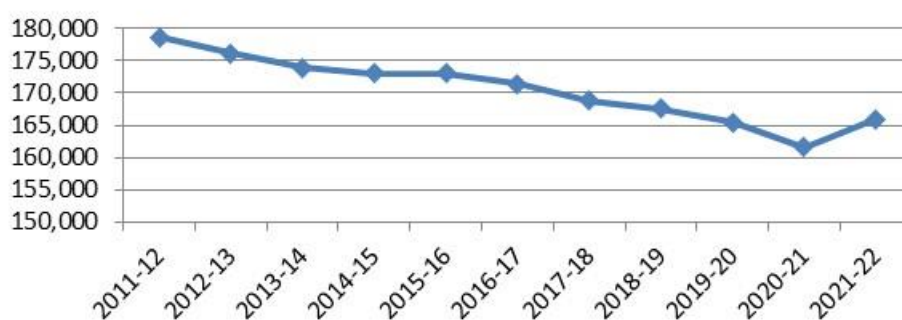
**Ohio Chartered Non-Public School Enrollment**  
**2011-12 - 2021-22**

Year	October ADM*
2011-12	178,702
2012-13	176,166
2013-14	173,966
2014-15	173,030
2015-16	172,990
2016-17	171,426
2017-18	168,857
2018-19	167,558
2019-20	165,511
2020-21	161,664
2021-22	166,013

Source: Ohio Department of Education

\*includes grades K-12

**Ohio Non-Public School Enrollment**



## Canfield Local School District

Out of 609 school districts, only 64 (or approximately 11%) gained enrollment in grades K - 12 from the 2011-12 to the 2020-21 school year and 5 districts experienced neither gain or loss in enrollment.

Of the 539 school districts who lost enrollment, only 68 (or 13%) lost less than 5 percent, and 103 districts (or 19%) lost between 5 and 10 percent. Approximately 46% (or 246 districts) lost between 10 and 20 percent, and approximately 23% (or 123 districts) lost more than 20 percent.

For those districts that gained enrollment, 20 (or 31%) increased by less than 5 percent, and 20 (or 31%) increased between 5 and 10 percent. Thirteen districts (or 20%) increased between 10 and 20%, and 11 districts (or 17%) increased over 20 percent.

Analyzing enrollment from a county perspective, only 7 of the 88 counties in Ohio gained K – 12 enrollment from the 2011-12 to the 2020-21 school year: Delaware, Hancock, Marion, Licking, Franklin, Warren, and Hamilton.

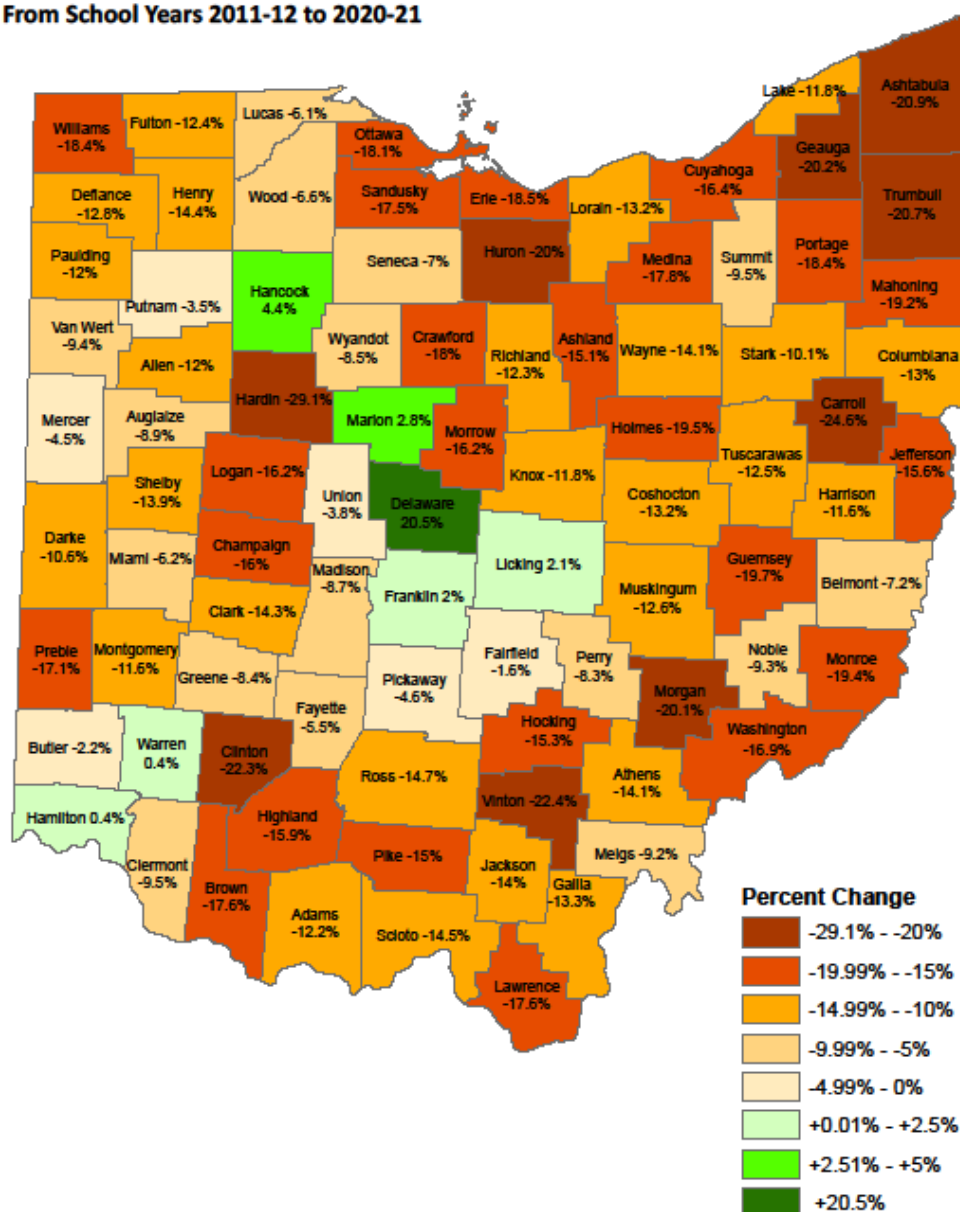
County	2011-12	2020-21	Difference	%
Delaware	27223	32817	5594	20.55%
Hancock	10900	11378	478	4.39%
Marion	9478	9741	263	2.77%
Licking	26428	26995	567	2.15%
Franklin	164293	167503	3210	1.95%
Warren	36112	36259	147	0.41%
Hamilton	99668	100029	361	0.36%

Hardin County had the highest percentage loss of students at approximately 29 percent. Sixty-seven percent of the counties (59 total) experienced a decline of greater than 10 percent. The map on the following page illustrates the gain/loss for each county from the 2011-12 to the 2020-21 school year.



## Canfield Local School District

**Student Enrollment Growth/Loss  
From School Years 2011-12 to 2020-21**



## Canfield Local School District

**ENROLLMENT PROJECTION METHODOLOGIES**

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When projecting future enrollments, it is vital to track the number of births, the patterns of enrollment, the amount of new housing activity, and the change in household composition.

In addition, any of the following factors could cause a significant change in projected student enrollments:

- ▶ Boundary adjustments
- ▶ New school openings
- ▶ Changes/additions in program offerings
- ▶ Preschool programs
- ▶ Change in grade configuration
- ▶ Interest rates/unemployment shifts
- ▶ Magnet/charter/private school opening or closure
- ▶ Zoning changes
- ▶ Unplanned new housing activity
- ▶ Planned, but not built, housing

Obviously, certain factors can be gauged and planned for far better than others. For instance, it may be relatively straightforward to gather housing data from local builders regarding the total number of lots in a planned subdivision and calculate the potential student yield. However, planning for changes in the unemployment rate, and how these may either boost or reduce public school enrollment, proves more difficult. In any case, it is essential to gather a wide variety of information in preparation for producing enrollment projections.

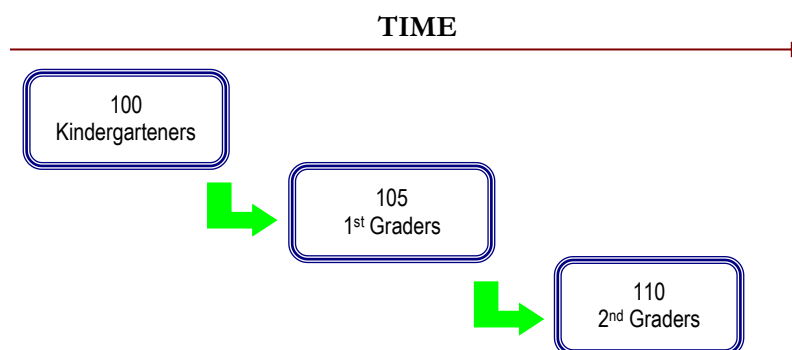
When looking ahead at a school district's enrollment over the next two, five, or ten years, it is helpful to approach the process from a global perspective. For example: How many new homes have been constructed each year? How many births have occurred each year in relation to the resident population? Is housing experiencing a turnover – if so, what is the composition of families moving in/out? Are more or less students attending private school or being home-schooled? What new educational policies are in place now that could affect student enrollment figures?

The data sets generated from questions such as these have led to the development of general methodologies to project future student enrollments. They are as follows:

## Canfield Local School District

**Cohort Survival Method**

A cohort is a group of persons (in this case, students). The cohort survival projection methodology uses previous live birth data and historical student enrollments to “age” a known population or cohort throughout the school grades. For instance, a cohort begins when a group of kindergarteners enrolls in grade K and moves to first grade the following year, second grade the next year, and so on.



A “survival ratio” is developed to track how this group of students grew or shrunk in number as they moved through the grade levels. By determining survival ratios for each grade transition [i.e., 1st to 2nd grade] over a ten-year period of time, patterns emerge and projection ratios can be developed to be used as a multiplier.

For example, if student enrollment has consistently increased from the 8th to the 9th grade over the past ten years, the survival ratios for each year would be greater than 100 percent. Through analysis of the survival ratios, the projection ratio is determined and is multiplied by the current 8th grade to develop a projection for next year’s 9th grade.

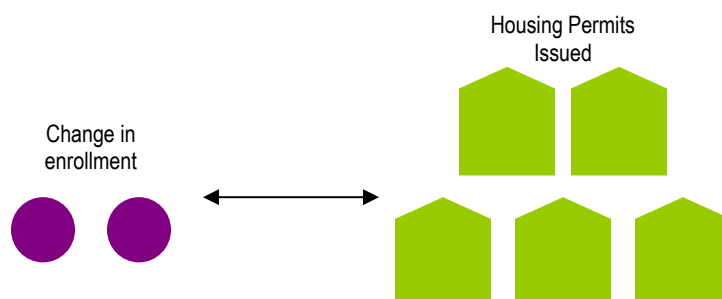
This methodology can be carried through to develop ten years of projection figures. Because there is not a grade cohort to follow for students coming into kindergarten, live birth counts are used to develop a survival ratio. Babies born five years previous to the kindergarten class are compared in number, and a ratio can be developed to project future kindergarten enrollments.

The cohort survival method is useful in areas where population is stable (relatively flat, growing steadily, or declining steadily), and where there have been no significant fluctuations in enrollment, births, and housing patterns from year to year.

## Canfield Local School District

**Housing**

Enrollment projections can also be determined by analyzing the housing data for the areas that make up a school district. Yield factors can be established by comparing the historic change in enrollment from year to year divided by the total number of building or occupancy permits issued. For example, if student enrollment has increased by approximately 100 students each year and approximately 200 building permits have been issued each year for the past ten years, then the yield factor would be approximately .5 students per building permit.



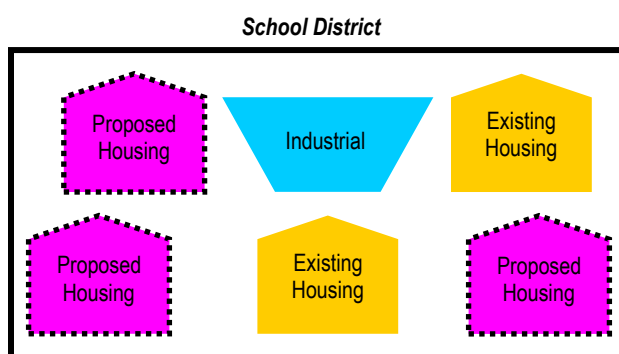
Once yield factors are established, the number of new students per year can be estimated by multiplying the yield factor by the number of projected new housing units. This method is effective when the rate of kindergarten enrollment far exceeds the live birth counts.

If housing demolitions are occurring in a district, these must also be taken into account. For instance, if housing demolitions/withdrawals have increased rapidly over recent years while new housing starts have remained relatively constant over many years, the conclusion may be that some of the new housing starts will simply be replacements for the families displaced by the demolitions. Of course, housing value and household composition would need to be further analyzed to confirm that this is indeed the case. It is possible that enrollment may remain flat or decline even though there is new housing occurring in the area.

## Canfield Local School District

### Land-Saturation Analysis

Housing data also drives the land-saturation analysis enrollment methodology. In areas where there is a high rate of development and the future development patterns in the area are clear, a “build-out” scenario can be developed. The scenario takes into consideration the remaining acreage to be developed, planned rate of completion, zoning policies, density per acre, type of housing, and ratios of school-age children per household type. This method is particularly useful in areas experiencing rapid growth.



### Geographic Information Systems

While not a methodology, the need for better tools and easier manipulation of data has led to a new industry standard in planning – GIS (Geographic Information Systems). GIS technology allows school districts to quickly analyze countless data sets including birth data, housing information, and enrollment statistics.

When paired with enrollment projections, GIS becomes an invaluable information-management and decision-making tool. Often, county or city offices are already implementing GIS technology and data can be shared and expanded among these organizations in the district. GIS tables and maps are included within this report illustrating population, age, and income estimates and projections.

The cohort survival was the primary method used in the development of the enrollment projections for the Canfield Local School District.

## Canfield Local School District

**HISTORICAL ENROLLMENT**

Over the past ten years, student enrollment in the Canfield Local School District has decreased by 315 students in grades Pre-K – 12, including ungraded, career technical, and full-time JVS students. Total enrollment for the 2022-23 school year is 2,506 students.

The approximate percentages of mainstreamed special education students [Pre-K – 12] for the current school year are as follows:

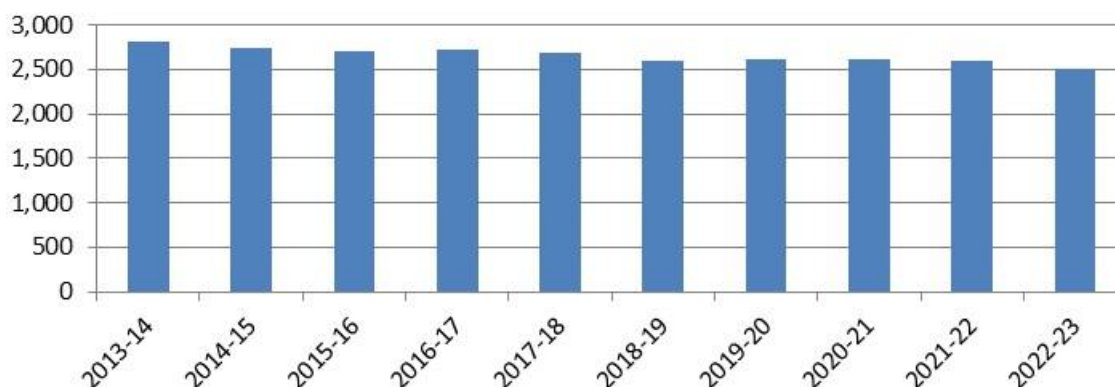
- Pre-K – 0%
- K-4 – 10%
- 5-8 – 9%
- 9-12 – 9%

The approximate percentages of self-contained special education students [Pre-K – 12] for the current school year are as follows:

- Pre-K – 100%
- K-4 – 1%
- 5-8 – 1%
- 9-12 – 1%

The following graph illustrates the District's Pre-K – 12 enrollment history from 2013-14 through 2022-23.

**Canfield Local School District  
Historical Enrollment**



## Canfield Local School District

The following tables illustrate the District's enrollment history from 2013-14 through 2022-23.

## Canfield Local School District

## Historical Enrollment

Grade	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Pre-K (special needs)	23	24	27	34	24	27	36	30	25	19
K	126	168	155	167	176	162	199	183	199	171
1	159	164	185	171	173	179	179	195	194	204
2	206	160	172	187	171	170	187	183	192	195
3	208	209	166	175	194	172	179	189	180	197
4	217	202	206	165	179	200	175	176	195	181
5	217	220	210	213	170	182	202	188	183	199
6	227	205	210	218	217	170	181	203	196	182
7	249	220	212	213	224	224	177	192	203	194
8	251	242	222	218	216	217	224	182	190	194
9	233	251	245	219	214	219	208	212	171	177
10	214	225	256	246	218	213	220	216	214	160
11	225	194	219	239	226	212	205	207	196	202
12	225	229	194	220	245	228	216	215	210	185
Pre-K - 12 Total	2,780	2,713	2,679	2,685	2,647	2,575	2,588	2,571	2,548	2,460
Ungraded	13	5	6	7	0	0	0	0	0	0
Career Tech Off-Site	6	7	8	3	4	3	2	1	1	1
JVS Full-Time	22	22	16	22	34	25	26	36	45	45
Grand Total	2,821	2,747	2,709	2,717	2,685	2,603	2,616	2,608	2,594	2,506

Source: Ohio Department of Education, EMIS; Canfield Local School District

## Canfield Local School District

## Historical Enrollment by Grade Group

Grade	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Pre-K (special needs) - 4	939	927	911	899	917	910	955	956	985	967
5 - 8	944	887	854	862	827	793	784	765	772	769
9 - 12	897	899	914	924	903	872	849	850	791	724
Pre-K - 12 Total	2,780	2,713	2,679	2,685	2,647	2,575	2,588	2,571	2,548	2,460
Ungraded	13	5	6	7	0	0	0	0	0	0
Career Tech Off-Site	6	7	8	3	4	3	2	1	1	1
Grand Total	2,799	2,725	2,693	2,695	2,651	2,578	2,590	2,572	2,549	2,461

Source: Ohio Department of Education, EMIS; Canfield Local School District

\*full-time JVS enrollment is not included in grade group table above or in the projected enrollment figures

## Canfield Local School District

### COMMUNITY SCHOOL ENROLLMENT

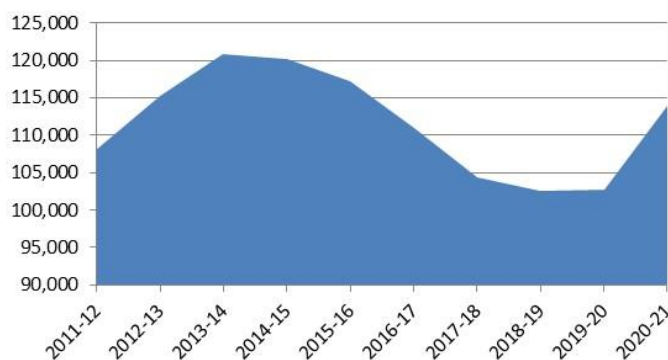
In Ohio, community school enrollment has increased over the last decade. From 2011-12 to 2019-20, enrollment decreased by approximately 5% from 108,124 students in 341 community schools to 102,654 students in 313 community schools. However, there was an increase of 11% in enrollment from the 2019-20 to the 2020-21 school year.

State of Ohio  
Community School Enrollment (Pre-K - 12)

Grade	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Grand Total	108,124	115,225	120,893	120,200	117,282	110,961	104,380	102,563	102,654	113,900

Source: Ohio Department of Education, Ohio Community Schools Annual Report 2020-21

Ohio Community School Enrollment

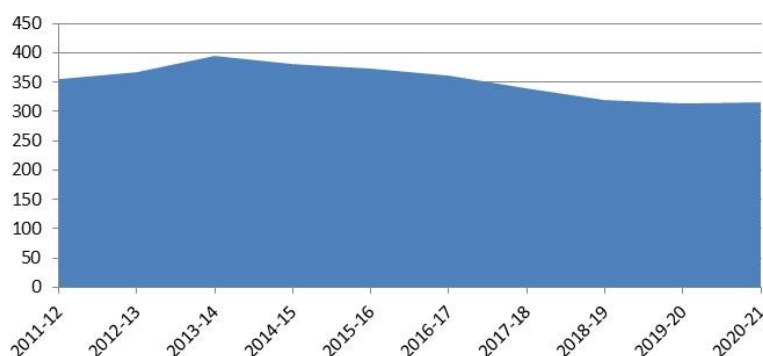


State of Ohio  
Number of Community Schools

Grade	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Grand Total	355	367	395	381	373	362	340	320	313	315

Source: Ohio Department of Education, Ohio Community Schools Annual Report 2020-21

Number of Community Schools in Ohio





## Canfield Local School District

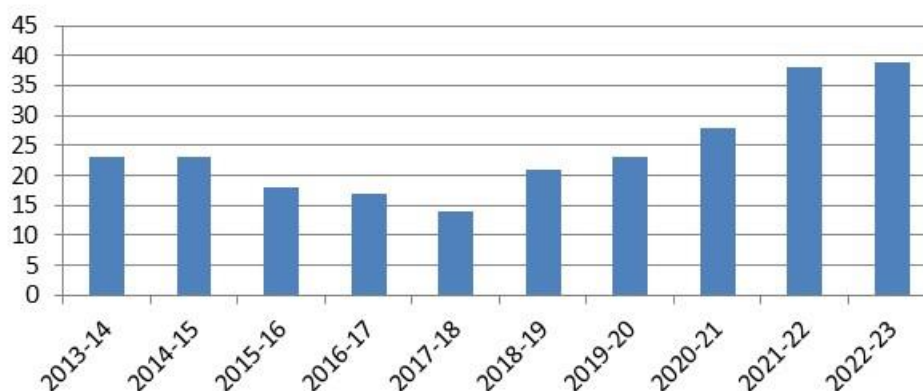
Since 2013-14, the number of Canfield Local School District students attending community schools has increased from 23 to 39 students with some fluctuation. Enrollment of Canfield Local School District students attending community schools should be closely monitored as it may have a significant impact on District enrollment in the future.

**Canfield Local School District  
Community School Enrollment**

Grade	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Pre-K	0	0	0	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0	2	0	0
1	1	2	1	0	0	0	0	0	2	2
2	0	0	1	1	0	0	0	0	1	0
3	0	1	0	1	1	1	0	3	0	1
4	2	0	1	0	0	1	0	2	3	0
5	1	0	0	1	0	0	1	1	1	0
6	0	2	2	0	2	0	1	1	1	0
7	0	0	2	1	0	2	1	2	2	1
8	1	4	0	2	0	3	0	1	4	2
9	4	3	6	3	3	2	4	3	3	15
10	5	2	1	2	1	3	5	2	2	11
11	6	4	2	4	5	5	6	8	10	2
12	3	5	2	2	2	4	5	3	9	5
Ungraded	0	0	0	0	0	0	0	0	0	0
<b>Grand Total</b>	<b>23</b>	<b>23</b>	<b>18</b>	<b>17</b>	<b>14</b>	<b>21</b>	<b>23</b>	<b>28</b>	<b>38</b>	<b>39</b>

Source: Ohio Department of Education, EMIS; Canfield Local School District

**Canfield Local School District  
Students Attending Community Schools**



## Canfield Local School District

## OPEN ENROLLMENT

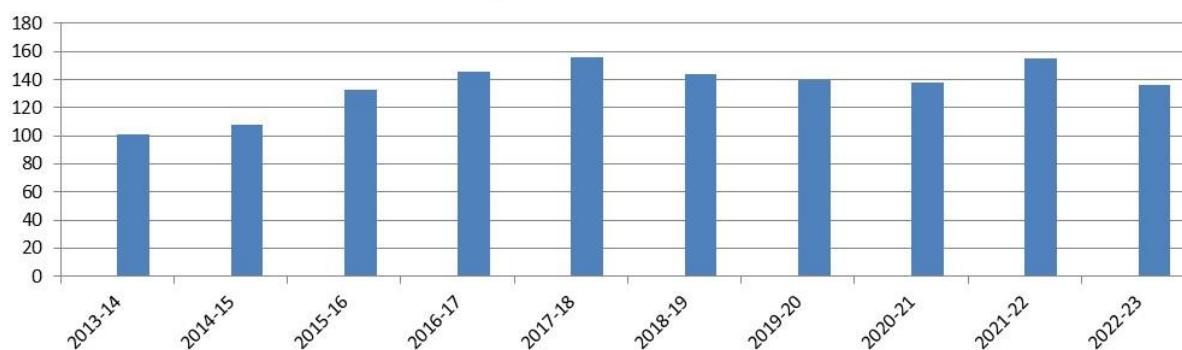
Since 2013-14, the number of Canfield Local School District students “open enrolling” out of the District has increased from 101 to 136 students with some fluctuation. There are no students “open enrolling” into the District. Significant changes in the number of students “open enrolling” into or out of the District from year to year can impact enrollment projections and should be monitored.

Canfield Local School District  
Open Enrollment - OUT

Grade	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Pre-K	0	0	0	1	1	0	0	0	0	1
K	16	13	7	11	12	10	5	6	7	4
1	10	10	14	9	13	14	10	7	5	4
2	7	8	8	14	11	15	11	12	9	6
3	5	5	8	9	13	9	15	12	10	8
4	6	4	4	10	10	11	8	9	13	11
5	5	4	4	5	11	11	13	7	13	13
6	7	5	8	6	6	13	11	17	8	10
7	6	7	7	9	8	5	13	14	24	7
8	10	8	10	8	10	9	9	17	13	17
9	8	14	13	14	8	8	10	5	18	14
10	11	8	19	14	16	6	10	10	7	17
11	4	15	10	18	16	16	10	11	13	8
12	6	7	21	18	21	17	15	11	15	16
Ungraded	0	0	0	0	0	0	0	0	0	0
Grand Total	101	108	133	146	156	144	140	138	155	136

Source: Ohio Department of Education, EMIS; Canfield Local School District

Canfield Local School District  
Open Enrollment - Out



## Canfield Local 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 survival ratios for birth-to-kindergarten as well as grades 1-12 can be found later in this report.

The Ohio Department of Health (ODH) information warehouse provides information about live birth events for Ohio residents only. Information about events occurring to Ohio residents outside of Ohio is included. Information about events occurring to non-Ohio residents inside Ohio is not included.

Data is arranged by the residence of the mother. For example, if a mother lives in Powell, Delaware County but delivers her baby in Columbus, Franklin County, the birth is counted in Powell, Delaware County.

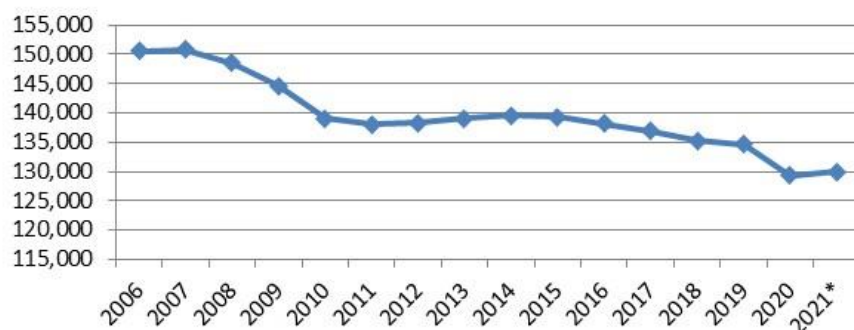
The number of live births is recorded by:

- ▶ State
- ▶ County
- ▶ City/Town
- ▶ Census Tract
- ▶ Zip Code
- ▶ Address [not available to the public]

Live birth counts are different from live birth rates. The live birth count is the actual number of live births. A birth rate is the number of births per 1,000 women in a specified population group. Birth rates are provided for counties only and for 9 age groups from 10-14 years to 45+ years.

Ohio has experienced a similar trend in live births as seen around the country. Births increased slightly in 2006 and 2007, but there has been steady decline since 2014. In 2020, the birth count total was 129,309, a decrease of approximately 4% from the 2019 count. In 2021, there was a slight uptick of less than 0.5 percent.

## Ohio Birth Counts



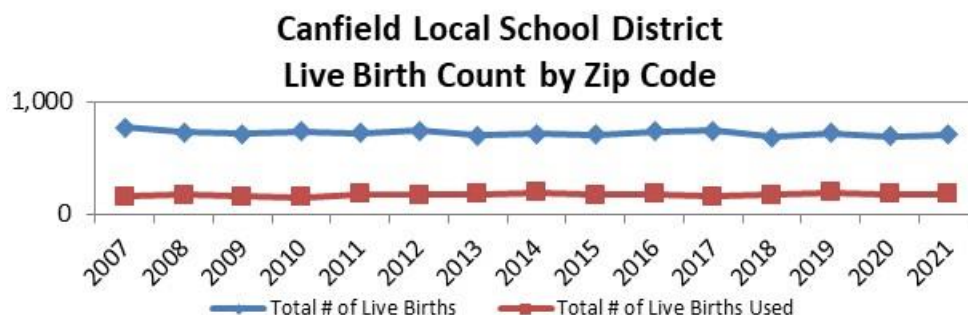
## Canfield Local School District

The following table and graph include the live birth counts for zip codes 44406, 44511, and 44512. However, upon analysis of the map on page 20, only zip code 44406 was used for projection purposes.

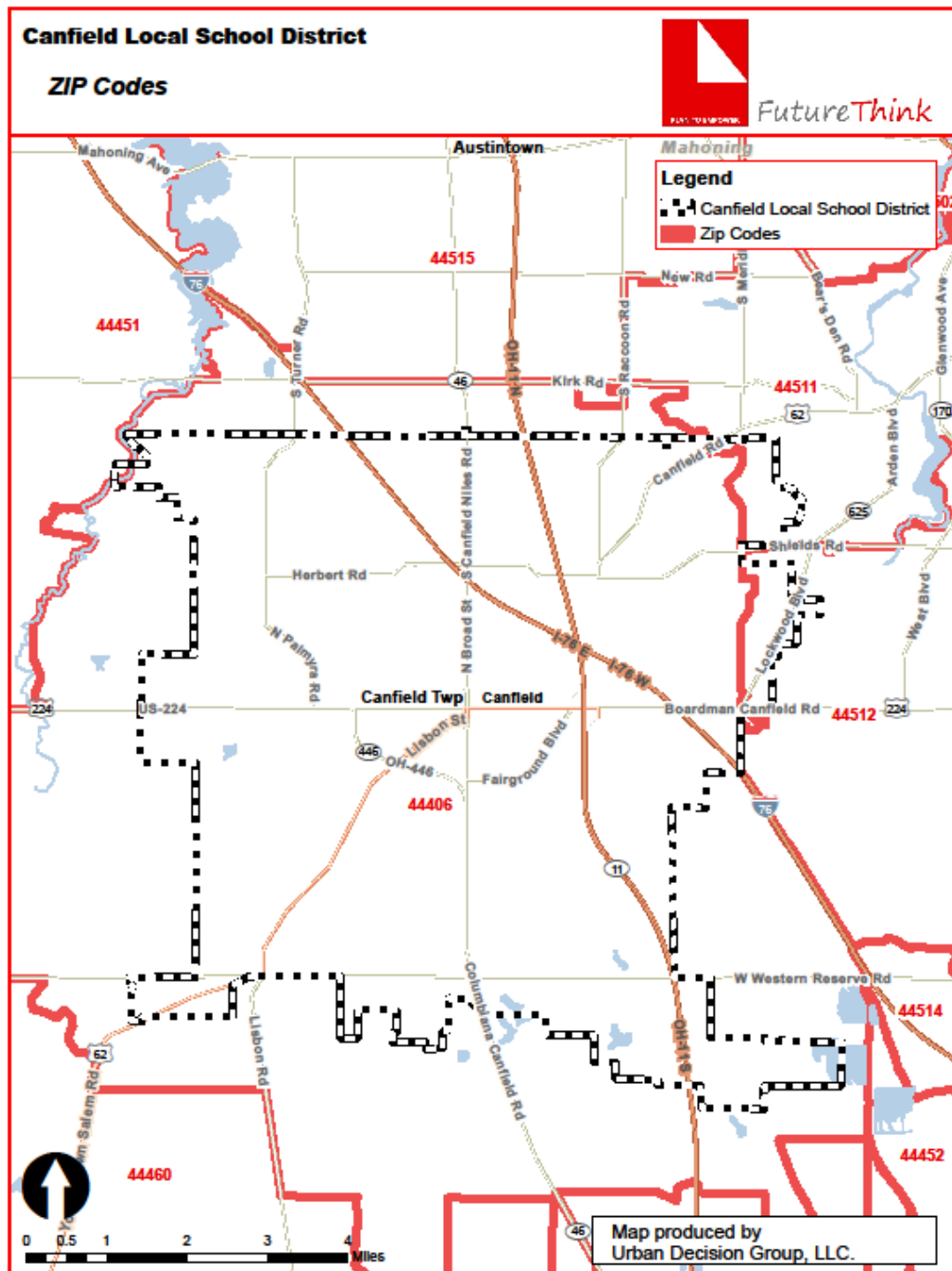
**Canfield Local School District  
Live Birth Count by Zip Code  
2007-2021**

Year	<b>44406</b>	<b>44511</b>	<b>44512</b>	Total # of Live Births	Total # of Live Births Used
2007	<b>159</b>	239	375	773	<b>159</b>
2008	<b>170</b>	208	355	733	<b>170</b>
2009	<b>159</b>	195	360	714	<b>159</b>
2010	<b>150</b>	244	346	740	<b>150</b>
2011	<b>181</b>	202	340	723	<b>181</b>
2012	<b>168</b>	211	369	748	<b>168</b>
2013	<b>175</b>	191	338	704	<b>175</b>
2014	<b>190</b>	199	328	717	<b>190</b>
2015	<b>173</b>	183	351	707	<b>173</b>
2016	<b>176</b>	208	356	740	<b>176</b>
2017	<b>158</b>	202	385	745	<b>158</b>
2018	<b>171</b>	191	325	687	<b>171</b>
2019	<b>192</b>	205	325	722	<b>192</b>
2020	<b>176</b>	199	322	697	<b>176</b>
2021	<b>175</b>	181	356	712	<b>175</b>

Source: Ohio Department of Health, Public Health Data Warehouse



## Canfield Local School District



## Canfield Local School District

## DEMOGRAPHICS

The Canfield Local School District is comprised of Canfield, Boardman Township, Canfield Township, and Youngstown in Mahoning County. General demographic data is included in the following tables for the areas located completely or partially in the District.

## General Demographic Information

	Mahoning County	State of Ohio
Per Capita Income	\$28,693	\$32,465
Median Household Income	\$47,092	\$58,116
Persons Below Poverty	17.6%	13.6%

Source: US Census, American Community Survey, 2020 5-Year Estimates

## Total Population

	2010 Census	2020 Census
Mahoning County	238,823	228,614
Canfield City	8,235	7,699
Boardman Township	40,889	14,664
Canfield Township	16,164	16,944
Youngstown City	66,982	60,608

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

Also included are block group estimates and projections provided by ESRI (a global market leader in GIS software, location intelligence, and mapping). 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

## Canfield Local School District

Below is a list of definitions as they appear on the U.S. Census Bureau website, to aid in interpretation of the following tables and maps.

**Household:**

*A household includes all the people who occupy a housing unit as their usual place of residence.*

**Average family size:**

*A measure obtained by dividing the number of members of families by the total number of families (or family householders).*

**Family household (Family):**

*A family includes a householder and one or more people living in the same household who are related to the householder by birth, marriage, or adoption. All people who are related to the householder are regarded as members of his or her family. A family household may contain people not related to the householder, but those people are not included as part of the householder's family in census tabulations. Thus, the number of family households is equal to the number of families, but family households may include more members than do families. A household can contain only one family for purposes of census tabulations. Not all households contain families since a household may comprise a group of unrelated people or one person living alone.*

**Householder:**

*The person, or one of the people, in whose name the home is owned, being bought, or rented. If there is no such person present, any household member 15 years old and over can serve as the householder for the purposes of the census. Two types of householders are distinguished: a family householder and a nonfamily householder. A family householder is a householder living with one or more people related to him or her by birth, marriage, or adoption. The householder and all people in the household related to him are family members. A nonfamily householder is a householder living alone or with nonrelatives only.*

## Canfield Local School District

The following tables illustrate the current estimates and 5-year population projections based on block groups that comprise the state and 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.

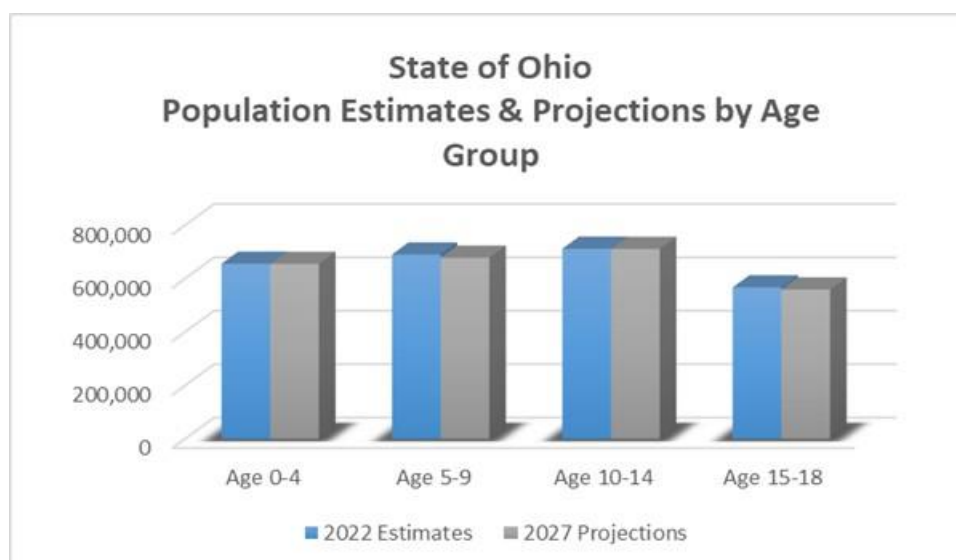
The total population in the State of Ohio is 11,820,885. This population is projected to increase by 8,178 people, or less than 1% over a 5-year period.

The 0-18-year-old population in the State currently totals 2,625,309. This population is projected to decrease by 21,734 children, or approximately 1 percent.

The median age is projected to increase by approximately 2% from 40.6 to 41.3 years of age.

State of Ohio	2022 Estimates	2027 Projections	Change 2022-27	Change 2022-27 (%)
Total Population	11,820,885	11,829,063	8,178	0.1%
Age 0-4	655,914	655,089	-825	-0.1%
Age 5-9	690,286	678,048	-12,238	-1.8%
Age 10-14	711,783	710,958	-825	-0.1%
Age 15-18	567,326	559,480	-7,846	-1.4%
Total Age 0-18	2,625,309	2,603,575	-21,734	-0.8%
Median Age	40.6	41.3	0.7	1.7%

Source: ESRI



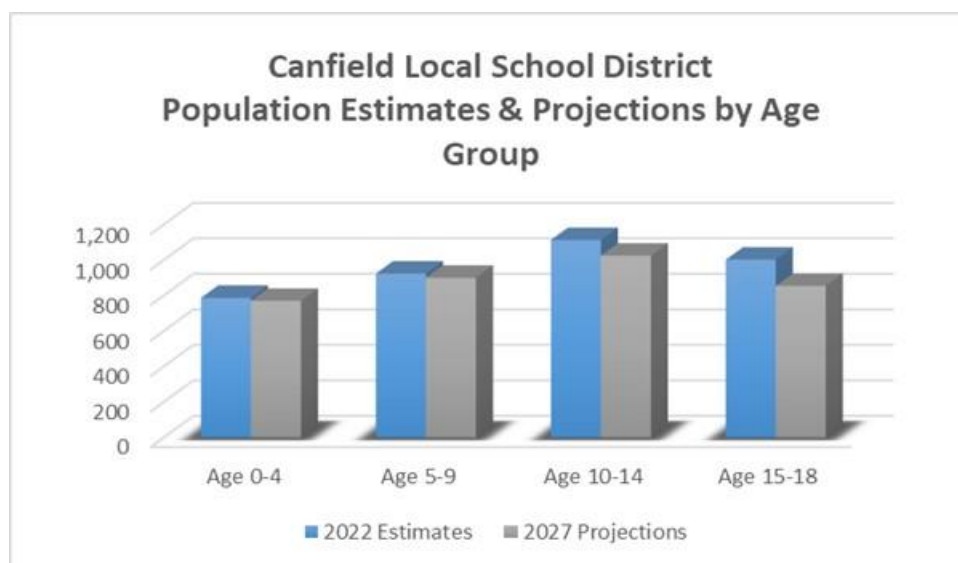


## Canfield Local School District

The total population in the District is 19,155. This population is projected to decrease by 381 people, or 2% over a 5-year period. The 0-18-year-old population in the District currently totals 3,830. This population is projected to decrease by 277 people, or approximately 7 percent. The median age is projected to increase by 1%, from 48.1 to 48.6 years of age.

Canfield Local School District	2022 Estimates	2027 Projections	Change 2022-27	Change 2022-27 (%)
Total Population	19,155	18,774	-381	-2.0%
Age 0-4	788	771	-17	-2.2%
Age 5-9	925	901	-24	-2.6%
Age 10-14	1,114	1,026	-88	-7.9%
Age 15-18	1,003	855	-148	-14.8%
Total Age 0-18	3,830	3,553	-277	-7.2%
Median Age	48.1	48.6	0.5	1.0%

Source: ESRI



## Canfield Local School District

Median and average household incomes in the State are projected to increase by approximately 18% and 16%, respectively over a 5-year period. The average family size is projected to decrease slightly, and the total number of family households is projected to increase slightly.

State of Ohio	2022 Estimates	2027 Projections	Change 2022-27	Change 2022-27 (%)
Median Household Income	\$62,419	\$73,445	\$11,026	17.7%
Average Household Income	\$89,526	\$103,862	\$14,336	16.0%
Average Family Size	3.02	3.01	-0.01	-0.3%
Total Family Households	3,001,955	3,002,920	965	0.03%

Source: ESRI

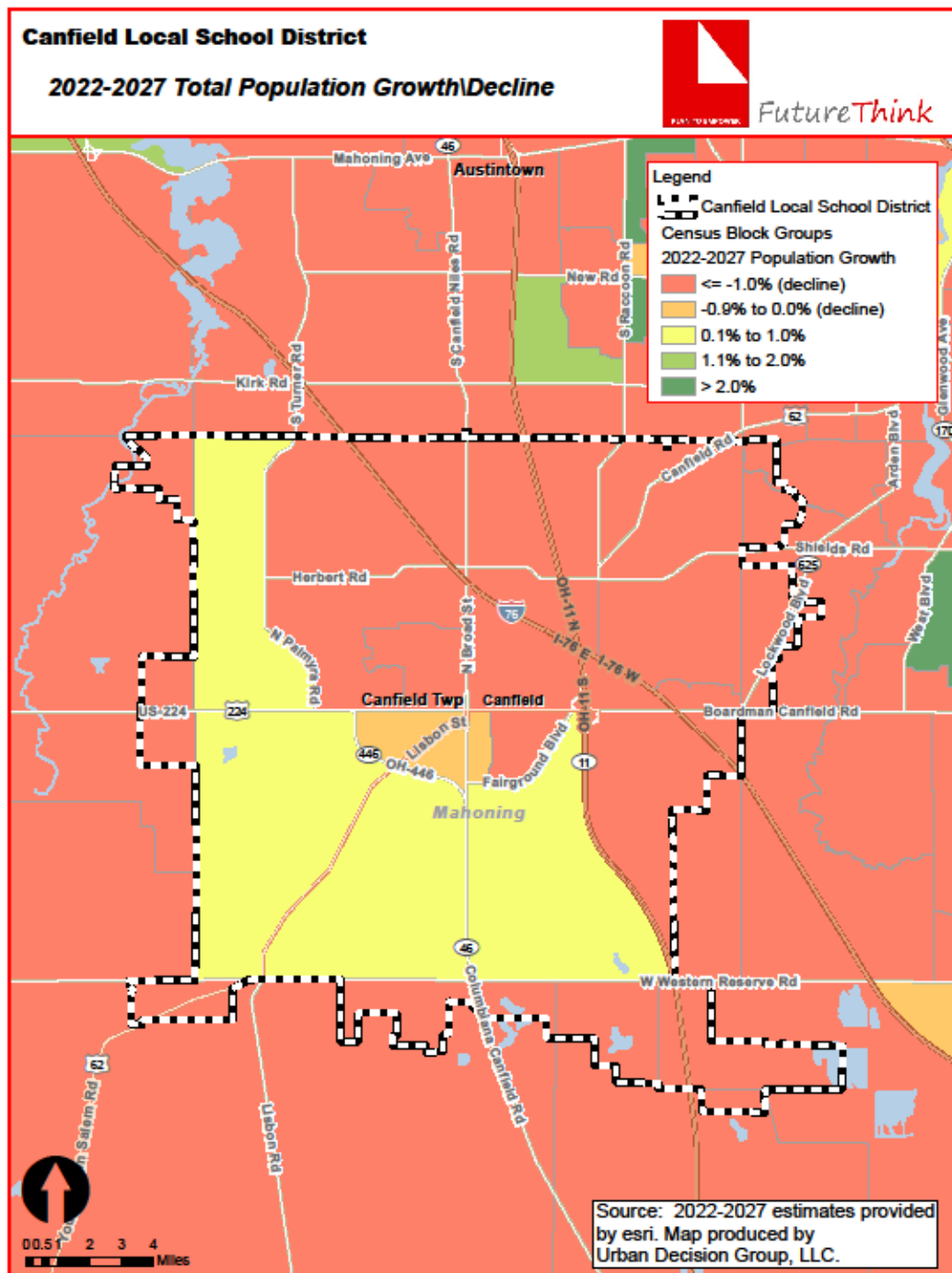
Median and average household incomes in the District are projected to increase by approximately 12% and 17%, respectively over a 5-year period. The average family size and total number of family households are projected to decrease by approximately 1 percent.

Canfield Local School District	2022 Estimates	2027 Projections	Change 2022-27	Change 2022-27 (%)
Median Household Income	\$84,934	\$95,157	\$10,223	12.0%
Average Household Income	\$119,912	\$140,097	\$20,185	16.8%
Average Family Size	3.00	2.98	-0.02	-0.7%
Total Family Households	5,412	5,338	-74	-1.4%

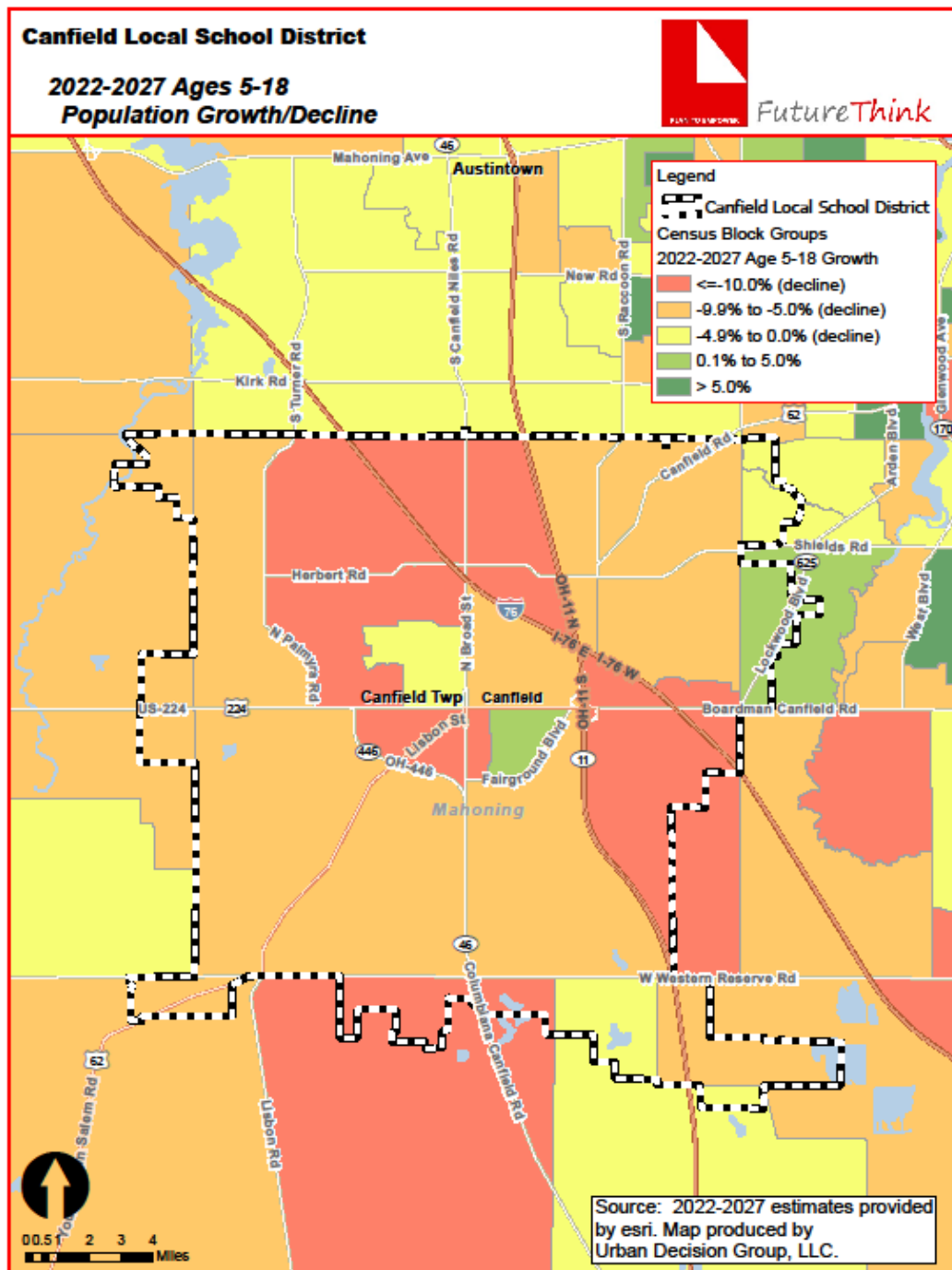
Source: ESRI

The maps on the following pages illustrate the data identified in the tables. The color coding identifies areas within the District that may be increasing or decreasing at different rates than others.

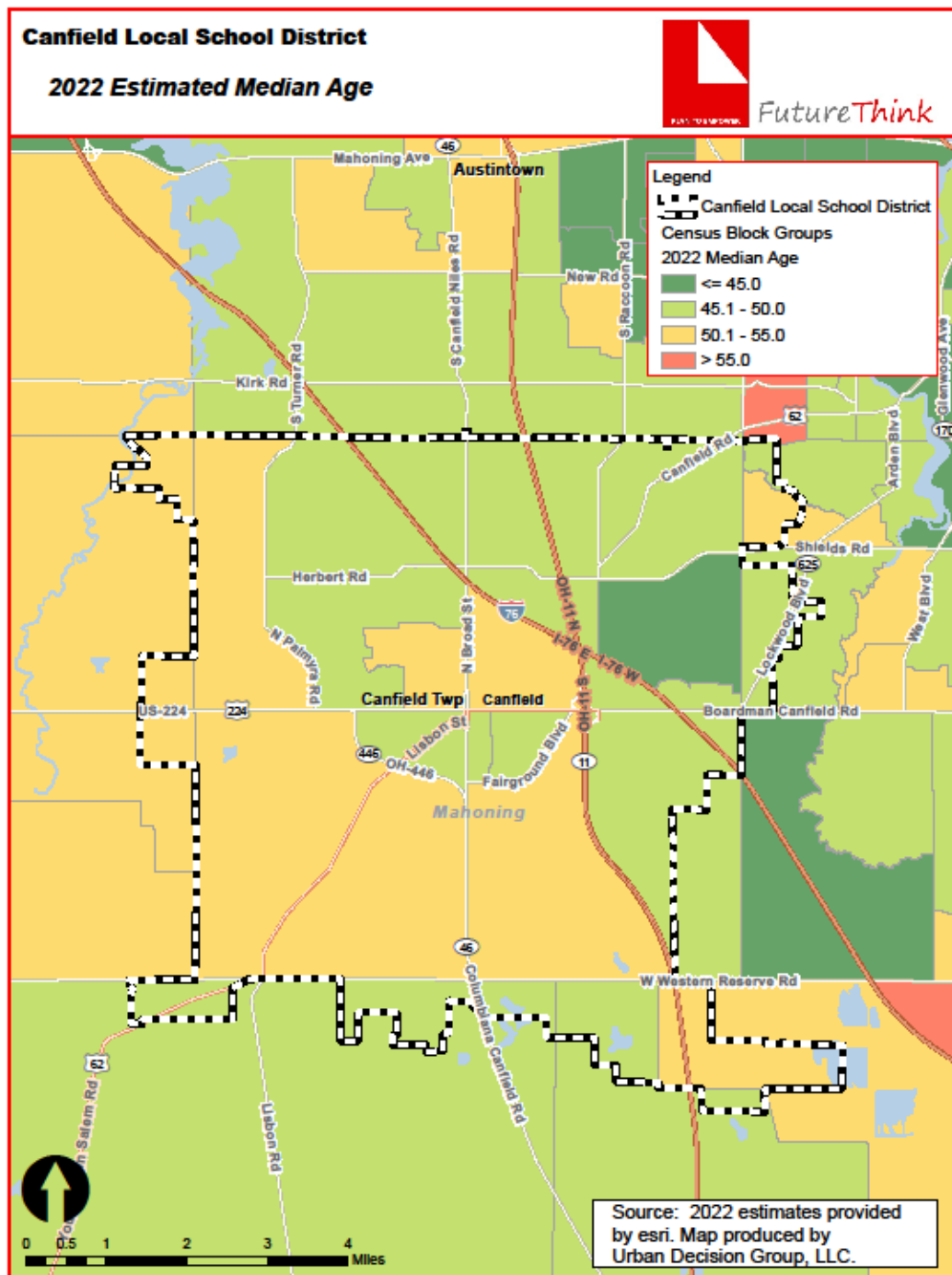
## Canfield Local School District



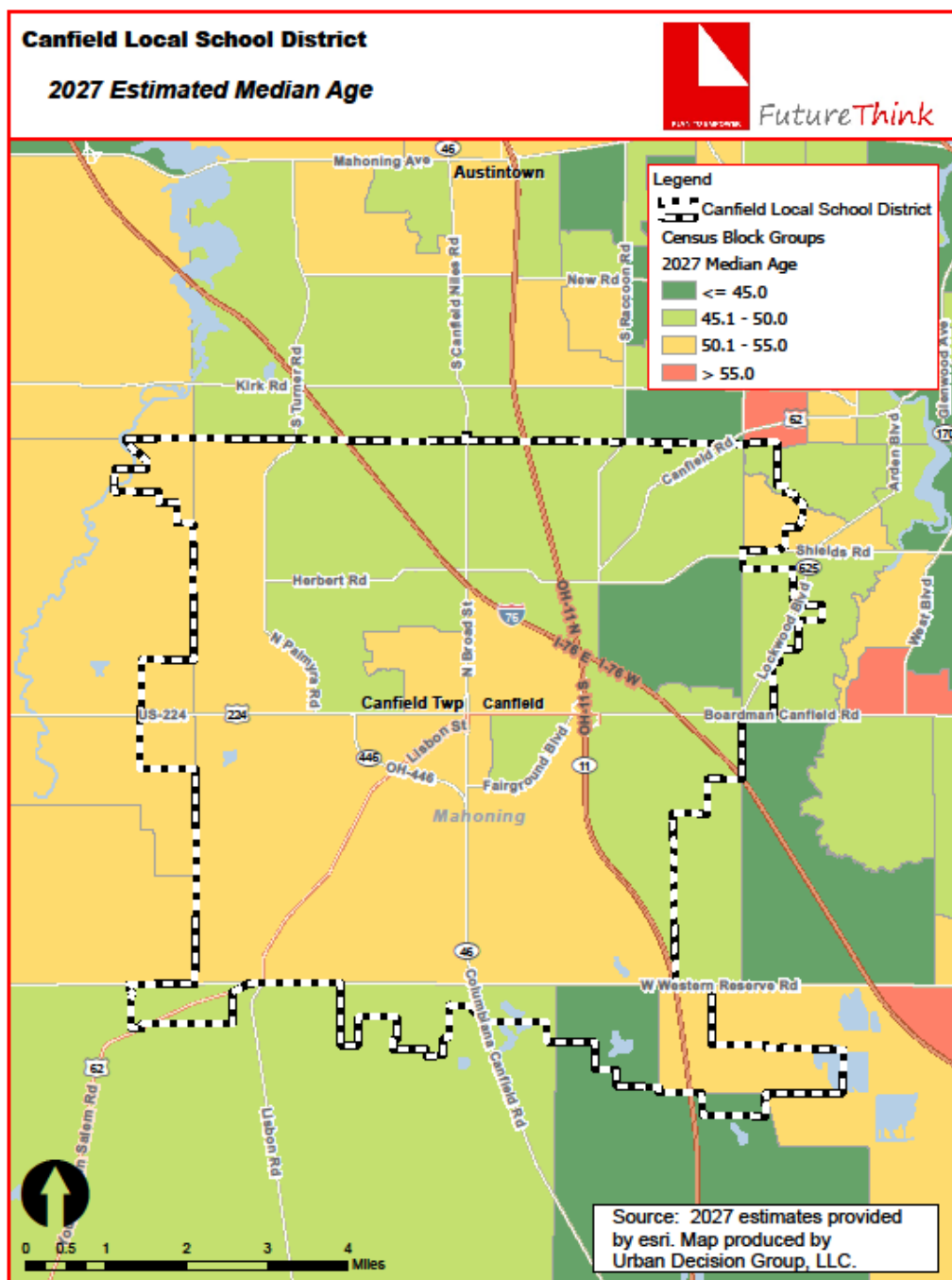
## Canfield Local School District



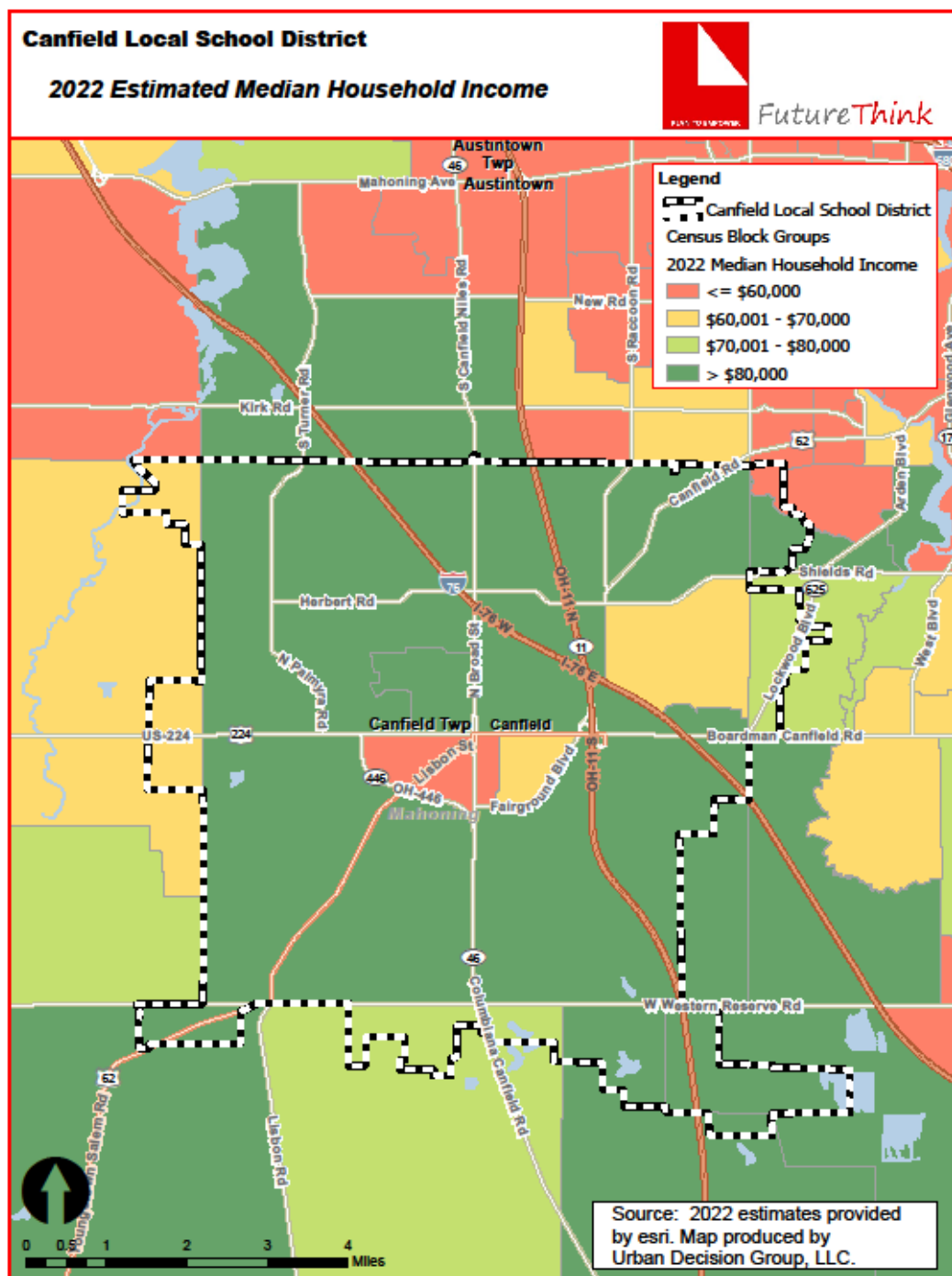
## Canfield Local School District



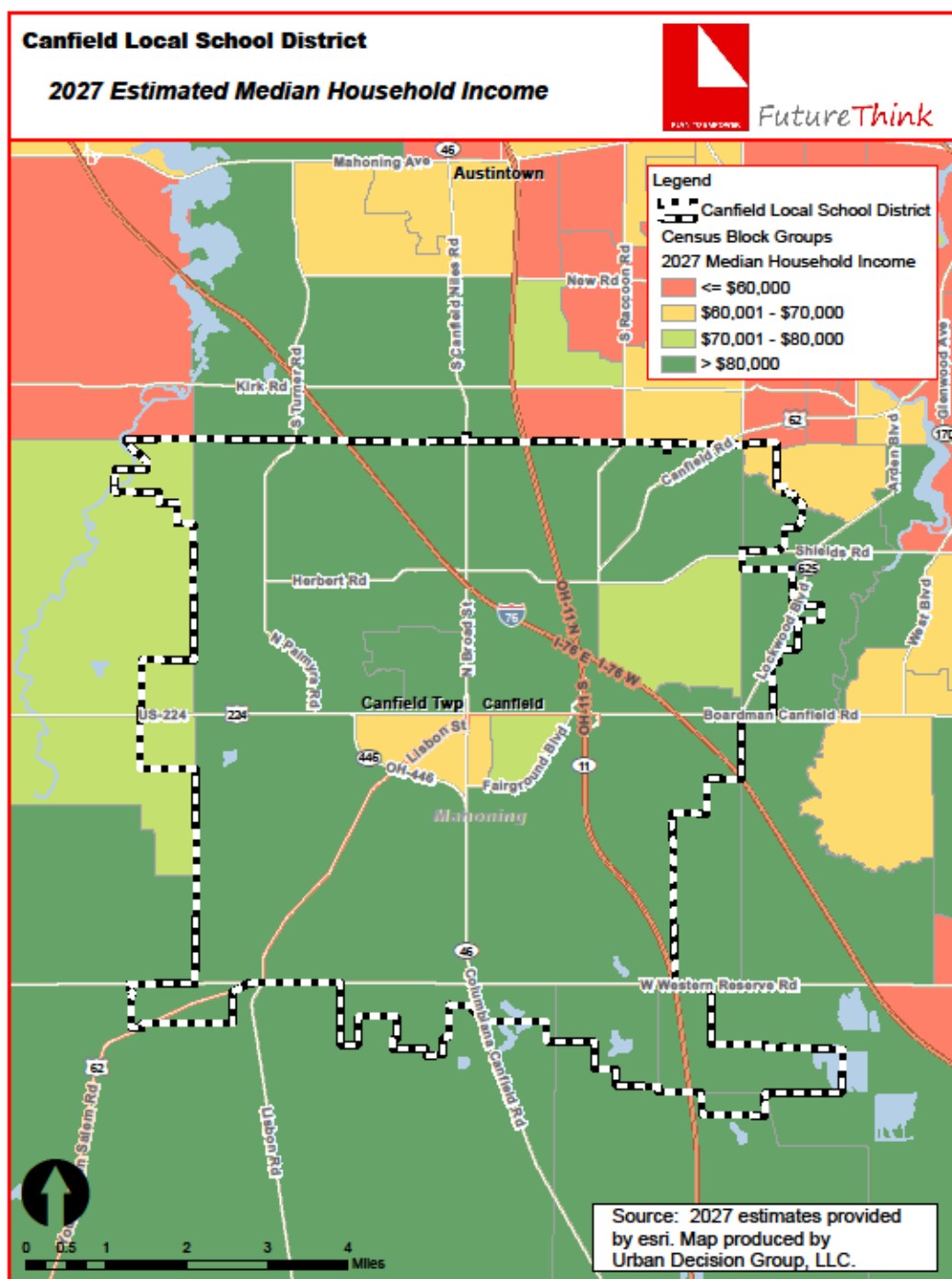
## Canfield Local School District



## Canfield Local School District



## Canfield Local School District





## Canfield Local School District

## HOUSING INFORMATION

The table below illustrates the number of single-family dwelling building permits issued each year in Youngstown and Mahoning County.

**# of Building Permits Issued for Single Family  
Dwellings**

Year	Youngstown City	Mahoning County
2012	2	117
2013	0	149
2014	0	135
2015	0	127
2016	0	142
2017	0	139
2018	0	162
2019	0	135
2020	0	147
2021	0	190
2022*	0	154

Source: SOCDS Building Permits Database

\*preliminary through December 2022



## Canfield Local School District

## SURVIVAL RATIOS

The chart below demonstrates the changes in enrollment as students move through the system. Percentages greater than 100 indicate that there are more students than there were in the previous grade the previous year. In other words, there was growth and new students entered the system. Percentages less than 100 indicate that there was decline with students leaving the system.

- Birth to Kindergarten: This ratio indicates the number of children born in the area who attend kindergarten in the District 5 years later. Percentages less than 100% result from movement out of the district, attendance at a non-public or charter school, or residence in another district within the same area.

The following table illustrates the survival ratios for the Canfield Local School District.

from	to	birth -> K	K->1	1->2	2->3	3->4	4->5	5->6	6->7	7->8	8->9	9->10	10->11	11->12
2013	2014	105.7%	130.2%	100.6%	101.5%	97.1%	101.4%	94.5%	96.9%	97.2%	100.0%	96.6%	90.7%	101.8%
2014	2015	103.3%	110.1%	104.9%	103.8%	98.6%	104.0%	95.5%	103.4%	100.9%	101.2%	102.0%	97.3%	100.0%
2015	2016	92.3%	110.3%	101.1%	101.7%	99.4%	103.4%	103.8%	101.4%	102.8%	98.6%	100.4%	93.4%	100.5%
2016	2017	104.8%	103.6%	100.0%	103.7%	102.3%	103.0%	101.9%	102.8%	101.4%	98.2%	99.5%	91.9%	102.5%
2017	2018	92.6%	101.7%	98.3%	100.6%	103.1%	101.7%	100.0%	103.2%	96.9%	101.4%	99.5%	97.2%	100.9%
2018	2019	104.7%	110.5%	104.5%	105.3%	101.7%	101.0%	99.5%	104.1%	100.0%	95.9%	100.5%	96.2%	101.9%
2019	2020	105.8%	98.0%	102.2%	101.1%	98.3%	107.4%	100.5%	106.1%	102.8%	94.6%	103.8%	94.1%	104.9%
2020	2021	113.1%	106.0%	98.5%	98.4%	103.2%	104.0%	104.3%	100.0%	99.0%	94.0%	100.9%	90.7%	101.4%
2021	2022	108.2%	102.5%	100.5%	102.6%	100.6%	102.1%	99.5%	99.0%	95.6%	93.2%	93.6%	94.4%	94.4%
	average	103.38%	108.101%	101.17%	102.1%	100.47%	103.1%	99.9%	101.9%	99.6%	97.450%	99.651%	93.993%	100.915%
	standard deviation	6.433%	8.821%	2.202%	1.937%	2.102%	1.851%	3.130%	2.674%	2.492%	2.970%	2.839%	2.441%	2.664%



## Canfield Local School District

### ENROLLMENT PROJECTION

Enrollment projections were developed after analyzing the data collected in this report. The projections indicate an increase of 136 students in grades Pre-K through 12, not including full-time JVS students, from the 2022-23 to the 2032-33 school year. The following tables and graph illustrate projected enrollments by grade and by grade group through the 2032-33 school year.

#### Preschool:

The Ohio School Design Manual [OSDM] provides space for preschool students with disabilities and a maximum of 40 ECE preschool students. The Canfield Local School District funds preschool through the following sources:

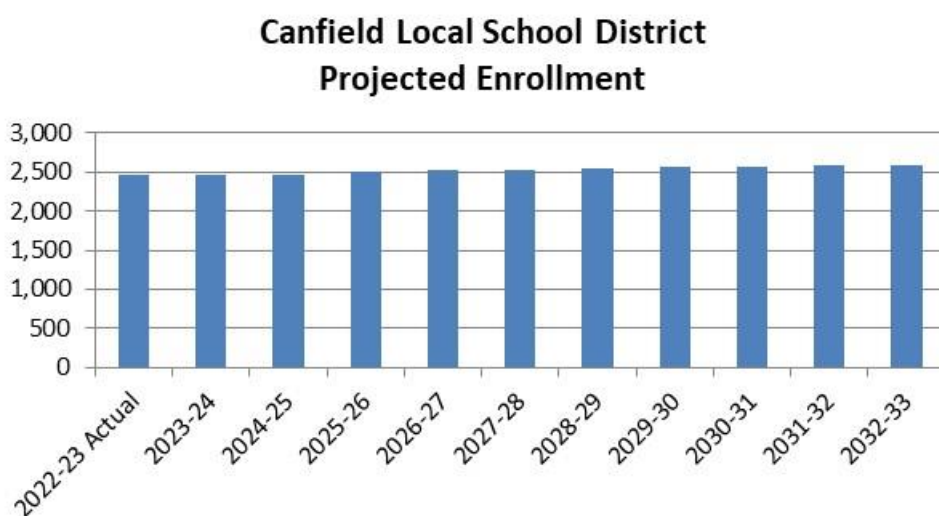
- General fund
- ECE Entitlement

#### Kindergarten:

The OSDM provides space for all day, every day kindergarten.

#### Career Technical:

Due to the specialized space requirements, career technical students are pulled out of the 11<sup>th</sup> and 12<sup>th</sup> grade enrollments and projected separately.



## Canfield Local School District

Canfield Local School District  
Projected Enrollment

Grade	2022-23 Actual	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Pre-K (special needs)	19	25	27	25	25	25	25	25	25	25	25
K	171	180	202	185	184	186	186	186	186	186	186
1	204	177	186	209	191	190	193	193	193	193	193
2	195	206	179	188	211	193	192	194	194	194	194
3	197	200	211	183	192	215	197	196	198	198	198
4	181	201	203	214	186	195	218	200	199	201	201
5	199	185	204	206	218	189	198	222	204	202	205
6	182	200	185	204	207	218	189	198	223	204	203
7	194	187	205	190	210	212	224	194	203	228	209
8	194	191	183	201	186	205	208	219	190	199	224
9	177	185	182	175	192	177	196	198	209	181	190
10	160	177	185	182	175	191	177	196	198	209	181
11	202	152	168	176	172	166	182	168	186	188	198
12	185	203	153	169	177	173	167	183	169	187	189
Pre-K - 12 Total	2,460	2,469	2,473	2,507	2,526	2,535	2,552	2,572	2,577	2,595	2,596
Career Tech Off-Site	1	1	1	1	1	1	1	1	1	1	1
Grand Total	2,461	2,470	2,474	2,508	2,527	2,536	2,553	2,573	2,578	2,596	2,597

Source: FutureThink

Canfield Local School District  
Projected Enrollment by Grade Group

Grade	2022-23 Actual	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Pre-K (special needs) - 4	967	989	1,008	1,004	989	1,004	1,011	994	995	997	997
5 - 8	769	763	777	801	821	824	819	833	820	833	841
9 - 12	724	717	688	702	716	707	722	745	762	765	758
Pre-K - 12 Total	2,460	2,469	2,473	2,507	2,526	2,535	2,552	2,572	2,577	2,595	2,596
Career Tech Off-Site	1	1	1	1	1	1	1	1	1	1	1
Grand Total	2,461	2,470	2,474	2,508	2,527	2,536	2,553	2,573	2,578	2,596	2,597

Source: FutureThink

## Canfield Local School District

### CONCLUSION

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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 services. We hope this document will provide the necessary information to make informed decisions about the future of the Canfield Local School District.



## Canfield Local School District

### APPENDIX

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The following documents are included in the appendix:

- District Acceptance
- District Questionnaire

The June 2021 Enrollment Projection Report is available upon request.



Tracy Healy <thealy@futurethinkinc.com>

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## Canfield LSD (Mahoning) DRAFT Enrollment Projection Report

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Joe Knoll <jknoll@canfieldschools.net>

Wed, Feb 15, 2023 at 8:36 AM

To: Tracy Healy <thealy@futurethinkinc.com>, Joe Knoll <jknoll@canfieldschools.net>

Cc: "Drerup, Melanie" <Melanie.Drerup@ofcc.ohio.gov>, "Parker, Janice" <Janice.Parker@ofcc.ohio.gov>, Joseph.Macneil@ofcc.ohio.gov, Valerie.Montoya@ofcc.ohio.gov, Chris.Bruner@ofcc.ohio.gov, Joseph.DiOrio@ofcc.ohio.gov, Paul.Mann@ofcc.ohio.gov

Good morning,

I accept the draft enrollment projection document. Many thanks.....

[Quoted text hidden]

[Quoted text hidden]

**District Questionnaire for Canfield Local of Mahoning County (48314) [Thealy]**

District Questionnaire has been submitted for review

**Enrollment Report For Canfield Local of Mahoning County (48314)****Contact Information**

Superintendent Name: Joseph A. Knoll  
 Superintendent Email: jknoll@canfieldschools.net  
 Superintendent Phone: (330) 428-0759  
 Contact Name (if different from Superintendent): Joe Knoll  
 Contact Title: EMIS Coord.  
 Contact Email: LBrownlee@Canfieldschools.net  
 Contact Phone: (330) 702-7026

**K12 Enrollment**

Grade	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021	Enrolled 2021– 2022	Enrolled 2022– 2023
<b>K</b>	126	168	155	167	176	162	199	183	199	171
<b>1</b>	159	164	185	171	173	179	179	195	194	204
<b>2</b>	206	160	172	187	171	170	187	183	192	195
<b>3</b>	208	209	166	175	194	172	179	189	180	197
<b>4</b>	217	202	206	165	179	200	175	176	195	181
<b>5</b>	217	220	210	213	170	182	202	188	183	199
<b>6</b>	227	205	210	218	217	170	181	203	196	182
<b>7</b>	249	220	212	213	224	224	177	192	203	194
<b>8</b>	251	242	222	218	216	217	224	182	190	194
<b>9</b>	233	251	245	219	214	219	208	212	171	177
<b>10</b>	214	225	256	246	218	213	220	216	214	160
<b>11</b>	242	200	224	242	228	213	205	207	197	202
<b>12</b>	236	230	197	220	247	230	218	216	210	186
<b>Ungraded</b>	13	5	6	7	0	0	0	0	0	0
<b>Total</b>	<b>2798</b>	<b>2701</b>	<b>2666</b>	<b>2661</b>	<b>2627</b>	<b>2551</b>	<b>2554</b>	<b>2542</b>	<b>2524</b>	<b>2442</b>

**All Day Kindergarten**

Do you offer kindergarten to all students, all day, every day?
yes



Preschool Enrollment

Do you **house** Preschool/Pre-K students in your facilities, **including** Pre-K students in a program run by an ESC or other agency?  
yes

Please select your district's preschool funding sources:  
General Fund ECE Entitlement

Early Childhood Education (ECE) grant funding (known as entitlement and public preschool) is distributed by the Ohio Department of Education to districts to provide preschool services for 3- and 4-year old children of income eligible families.  
Do you house Early Childhood Education (ECE) students in your facilities?  
no

Do you house Pre-K students with disabilities in your facilities?  
yes

Please provide enrollment data:

Grade	2013–2014	2014–2015	2015–2016	2016–2017	2017–2018	2018–2019	2019–2020	2020–2021	2021–2022	2022–2023
Pre-K with disabilities	23	24	27	34	24	27	36	30	25	19

Do you house other Pre-K students in your facilities that are not students with disabilities and are not enrolled in ECE, or Federal Head Start (e.g., tuition-based or funded with other sources)?  
no

Student Teacher Ratios

What are your district's current average student to teacher ratios for the following grade groups?

Include core teachers only.

- K–3 23 to 1
- 4–5 20 to 1
- 6–8 20 to 1
- 9–12 17 to 1

## Grade Configurations

PK through 4  
5 through 8  
9 through 12

## Students with Disabilities

### Definitions:

- **IE13** — Special Education outside the regular class less than 21% of the day.
- **IE14** — Special Education outside the regular class at least 21% of the day and no more than 60% of the day.
- **IE15** — Special Education outside the regular class more than 60% of the day.

Please provide the current school year enrollment for students with disabilities by ODE program code and grade configuration.

Code	PK-4	5-8	9-12
<b>IE13</b>	86	64	59
<b>IE14</b>	7	6	3
<b>IE15</b>	6	11	5
<b>Total</b>	<b>99</b>	<b>81</b>	<b>67</b>

\*These students should be included in the October headcount

Does your District house additional students with disabilities from other school districts? (i.e., county programs, etc.) no

## Community Enrollment

Grade	Enrolled 2013- 2014	Enrolled 2014- 2015	Enrolled 2015- 2016	Enrolled 2016- 2017	Enrolled 2017- 2018	Enrolled 2018- 2019	Enrolled 2019- 2020	Enrolled 2020- 2021	Enrolled 2021- 2022	Enrolled 2022- 2023
<b>PreK</b>	0	0	0	0	0	0	0	0	0	0
<b>K</b>	0	0	0	0	0	0	0	2	0	0
<b>1</b>	1	2	1	0	0	0	0	0	2	2
<b>2</b>	0	0	1	1	0	0	0	0	1	0
<b>3</b>	0	1	0	1	1	1	0	3	0	1
<b>4</b>	2	0	1	0	0	1	0	2	3	0
<b>5</b>	1	0	0	1	0	0	1	1	1	0
<b>6</b>	0	2	2	0	2	0	1	1	1	0
<b>7</b>	0	0	2	1	0	2	1	2	2	1
<b>8</b>	1	4	0	2	0	3	0	1	4	2
<b>9</b>	4	3	6	3	3	2	4	3	3	15
<b>10</b>	5	2	1	2	1	3	5	2	2	11
<b>11</b>	6	4	2	4	5	5	6	8	10	2
<b>12</b>	3	5	2	2	2	4	5	3	9	5
<b>Ungraded</b>	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>23</b>	<b>23</b>	<b>18</b>	<b>17</b>	<b>14</b>	<b>21</b>	<b>23</b>	<b>28</b>	<b>38</b>	<b>39</b>

## Open Enrollment (In)

Grade	Enrolled 2013- 2014	Enrolled 2014- 2015	Enrolled 2015- 2016	Enrolled 2016- 2017	Enrolled 2017- 2018	Enrolled 2018- 2019	Enrolled 2019- 2020	Enrolled 2020- 2021	Enrolled 2021- 2022	Enrolled 2022- 2023
<b>Prek</b>	0	0	0	0	0	0	0	0	0	0
<b>K</b>	0	0	0	0	0	0	0	0	0	0
<b>1</b>	0	0	0	0	0	0	0	0	0	0
<b>2</b>	0	0	0	0	0	0	0	0	0	0
<b>3</b>	0	0	0	0	0	0	0	0	0	0

4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
Ungraded	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0

## Open Enrollment (Out)

Grade	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021	Enrolled 2021– 2022	Enrolled 2022– 2023
Prek	0	0	0	1	1	0	0	0	0	1
K	16	13	7	11	12	10	5	6	7	4
1	10	10	14	9	13	14	10	7	5	4
2	7	8	8	14	11	15	11	12	9	6
3	5	5	8	9	13	9	15	12	10	8
4	6	4	4	10	10	11	8	9	13	11
5	5	4	4	5	11	11	13	7	13	13
6	7	5	8	6	6	13	11	17	8	10
7	6	7	7	9	8	5	13	14	24	7
8	10	8	10	8	10	9	9	17	13	17
9	8	14	13	14	8	8	10	5	18	14
10	11	8	19	14	16	6	10	10	7	17
11	4	15	10	18	16	16	10	11	13	8
12	6	7	21	18	21	17	15	11	15	16
Ungraded	0	0	0	0	0	0	0	0	0	0
Total	101	108	133	146	156	144	140	138	155	136

**JVS Enrollment**

Does your District belong to a JVSD? yes

Please select the JVSD your District belongs to: Mahoning Co Career & Tech Ctr

Please provide enrollment for students attending JVS (or "Other") full or half-time.

Grade	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021	Enrolled 2021– 2022	Enrolled 2022– 2023
Full Time 11	13	9	3	16	16	11	16	22	23	24
Full Time 12	9	13	13	6	18	14	10	14	22	21
Total	22	22	16	22	34	25	26	36	45	45

Grade	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021	Enrolled 2021– 2022	Enrolled 2022– 2023
Half Time 11	4	6	5	3	2	1	0	0	1	0
Half Time 12	2	1	3	0	2	2	2	1	0	1
Total	6	7	8	3	4	3	2	1	1	1

**Career Technical Compact Enrollment**

Does your District belong to a Compact? no

## Career Tech Program Enrollment

Include only those students who are considered "concentrators" or enrolled in a "pathway". Do NOT include students who are just taking one course.

**Comprehensive Career Tech:** Students who attend academics and career technical programs in your district.

**On-Site Career Tech:** Students who attend academics in another district but attend career technical programs in your district.

**Satellite JVSD:** Same as Comprehensive Career Tech, but the program is sponsored and/or administered by the JVS District and housed by your District.

Do your district's students attend this program in your facilities? If so, please enter the 10-year enrollment numbers for the **L0-Culinary Arts-Program Type 4** program. Please use your official October enrollment (as available) to update the table. For years 2020-2021 and on use your enrollment data from the first full week of October.:

Grade	Enrolled 2013– 2014	Enrolled 2014– 2015	Enrolled 2015– 2016	Enrolled 2016– 2017	Enrolled 2017– 2018	Enrolled 2018– 2019	Enrolled 2019– 2020	Enrolled 2020– 2021	Enrolled 2021– 2022	Enrolled 2022– 2023
Comprehensive Career Tech 11	0	0	0	0	0	0	0	0	0	0
Comprehensive Career Tech 12	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0

Number of sections you offer: 0 Notes:

Do you have students from outside districts coming to your district **ONLY** to take this career tech program? no

## Boundaries

Please list municipalities, townships, and any additional counties within the boundaries of your school district: Boardman, Youngstown,  
Has your District experienced changes in District-wide boundaries since 2004? no

## Growth

Do you expect significant growth in your District over the next 10 years? no

## Additional Information

Please provide any additional information you feel may impact your District's future enrollment [i.e. private schools opening or closing]  
No information

## Submission Documents

The following are additional documents which may be useful in projecting your District's enrollment. Please check any documents you intend to provide for consideration and forward documents to:

Tracy Healy (thealy@futurethinkinc.com)  
or  
Future Think Inc.  
5685 Tynecastle Loop  
Dublin, 43016

☐ Return To District Print Report

Please contact Tracy Healy (thealy@futurethinkinc.com, 614-264-2638) with any questions or concerns regarding the District Questionnaire.