

FutureThink

Formerly DeJONG-HEALY

FINAL REPORT



Downingtown Area School District
Enrollment Projection & Redistricting Study
July 14, 2020

Downingtown Area School District

INTRODUCTION

FutureThink & Urban Decision Group were contracted to develop enrollment projections and a redistricting study for the Downingtown Area School District.

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

- ▶ Birth data
- ▶ Historical 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.

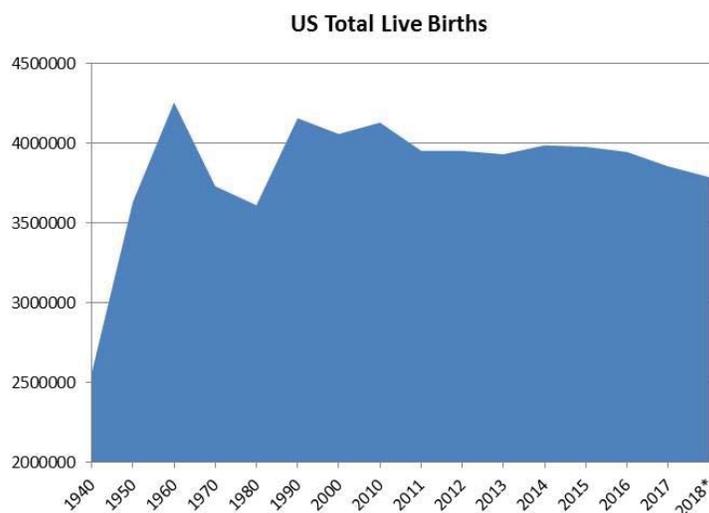
Additionally, several options for redistricting the schools were developed based on the following criteria:

- ▶ Functional capacity
- ▶ Keeping neighborhoods together
- ▶ Distance to school
- ▶ Topography
- ▶ Socio-economic balance

Downingtown Area School District

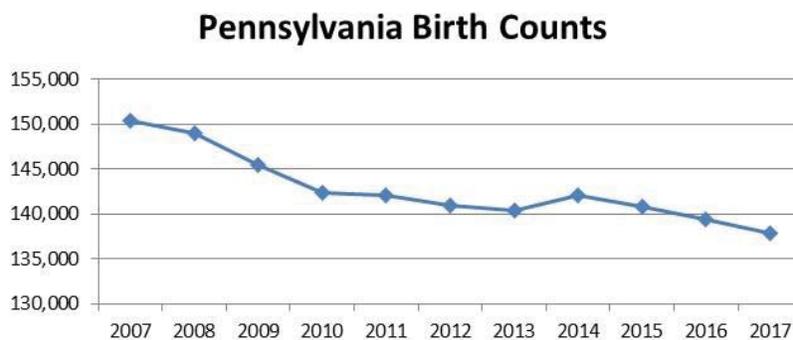
NATIONAL & PENNSYLVANIA TRENDS IN ENROLLMENT

Tracing the landscape of the country’s public school enrollment back over the past 70+ 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. Since 2011, the total number of births has been relatively flat with decline in 2017 and 2018.



Source: CDC, National Vital Statistics Reports, Rapid Release, Report 007, May 2019
*provisional

Pennsylvania has experienced a similar trend in live births as seen around the country. Births have decreased every year with a slight increase 2014. Since then counts have continue to decline each year.

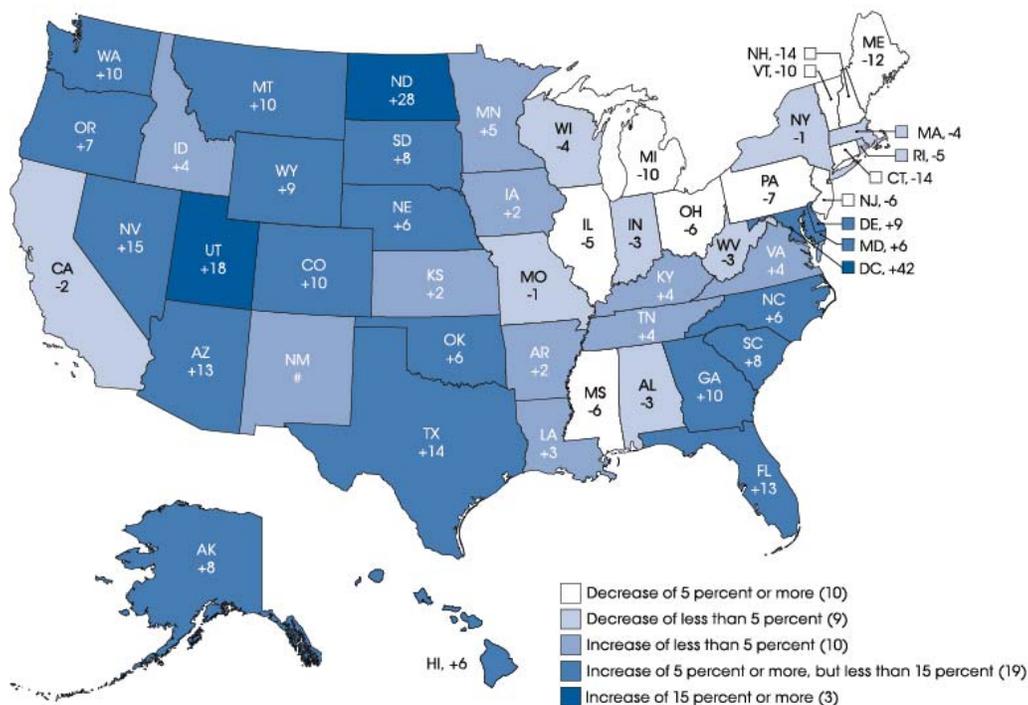


Downingtown Area School District

In addition to births dropping in Pennsylvania, the state is also aging. The median age in 2017 was 42.3 years of age while the national median age is 37.9 years. In 2010, the median age in Pennsylvania was 41.2 years.

In 2014-15, approximately 56 million students were enrolled in grades Pre-K-12 in the United States, an increase of 3% since the 2011-12 school year. Overall, enrollment is projected to increase by approximately 3% by the 2026-27 school year.

The figure below illustrates the projected change in Pre-K-12 public school enrollment from the 2014-15 to the 2026-27 school year. Growth is expected to continue primarily in the southeast and west. Washington, D.C.; North Dakota; and Utah are projected to experience the most growth. Pennsylvania is projected to experience a decrease of 7 percent.



SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data CCD), "State Nonfiscal Survey of Public Elementary/Secondary Education," 2014-15; and Public State Elementary and Secondary Enrollment Model: 1980-2026. See *Digest of Education Statistics 2016*, [table 203.20](#).

Downingtown Area School District

ENROLLMENT PROJECTION METHODOLOGIES

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.

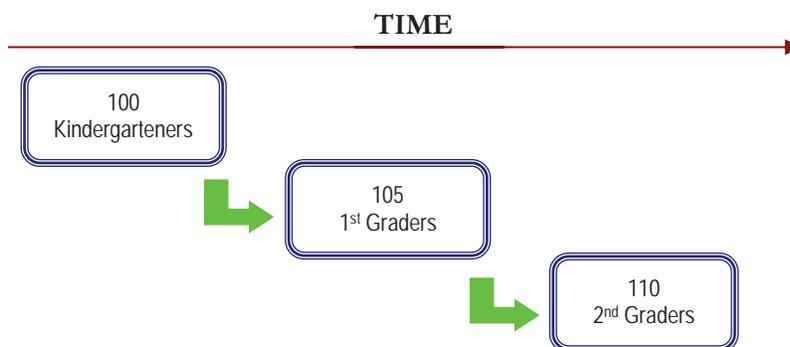
When looking ahead at a school district's enrollment over the next two, five, or ten years, it is helpful to approach the process from a global perspective. For example: How many new homes have been constructed each year? How many births have occurred each year in relation to the resident population? 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:

Downingtown Area 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.

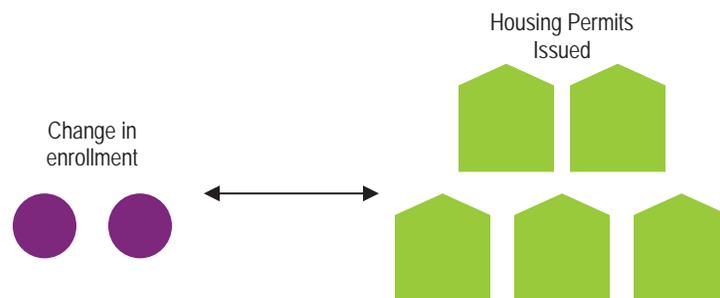
This methodology can be carried through to develop ten years of projection figures. Because there is not a grade cohort to follow for students coming into kindergarten, live birth counts are used to develop a survival ratio. Babies born five years previous to the kindergarten class are compared in number,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

Downingtown Area 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.



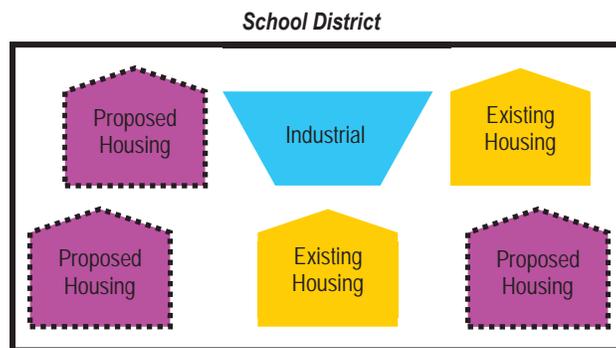
Once yield factors are established, the number of new students per year can be estimated by multiplying the yield factor by the number of projected new housing units. This method is effective when the rate of kindergarten enrollment far exceeds the live birth counts.

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.

Downingtown Area 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 Downingtown Area School District.

Downingtown Area School District

HISTORICAL ENROLLMENT

Over the past ten years, student enrollment in the Downingtown Area School District has increased by 1,279 students in grades K – 12. Total enrollment for the 2019-20 school year is 13,092 students.

The following tables and graph illustrate the District’s enrollment history from 2010-11 through 2019-20.

**Downingtown Area School District
Historical Enrollment**

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K (PT)	637	631	628	557	581	570	652	626	648	610
K (FT)	85	90	66	76	60	73	82	89	98	120
1	836	847	878	855	776	851	846	878	888	876
2	948	851	879	925	922	836	919	897	913	951
3	920	964	876	902	955	973	902	971	940	962
4	930	938	990	907	935	988	1,007	947	1,007	973
5	937	940	933	1,010	933	974	1,049	1,029	982	1,040
6	953	944	978	976	1,047	985	1,033	1,099	1,054	1,050
7	950	955	969	984	994	1,063	1,023	1,051	1,138	1,077
8	917	954	964	997	996	1,007	1,079	1,040	1,056	1,156
9	977	917	962	990	1,007	1,022	1,038	1,080	1,055	1,084
10	914	973	922	959	989	1,011	1,020	1,048	1,087	1,053
11	875	897	971	918	957	982	1,013	1,014	1,044	1,076
12	934	878	899	972	918	956	993	1,025	1,028	1,064
K - 12 Total	11,813	11,779	11,915	12,028	12,070	12,291	12,656	12,794	12,938	13,092

Source: Pennsylvania Department of Education, Downingtown Area School District

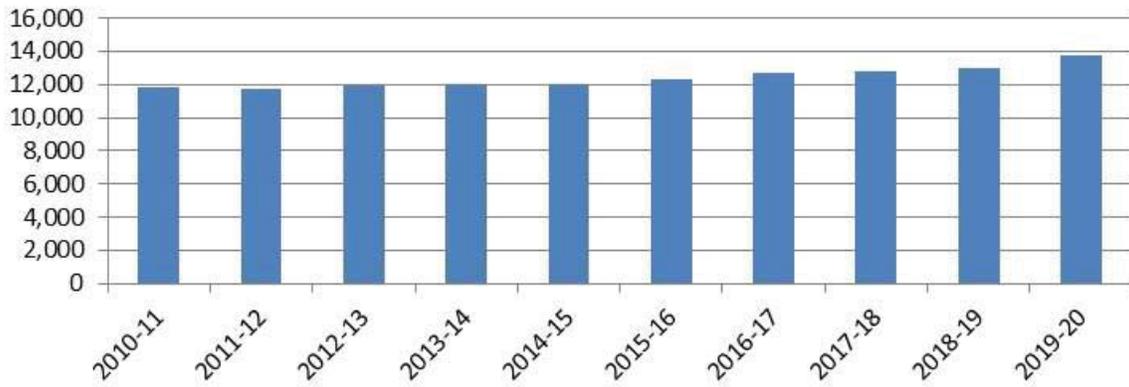
**Downingtown Area School District
Historical Enrollment by Grade Group**

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K - 5	5,293	5,261	5,250	5,232	5,162	5,265	5,457	5,437	5,476	5,532
6	953	944	978	976	1,047	985	1,033	1,099	1,054	1,050
7 - 8	1,867	1,909	1,933	1,981	1,990	2,070	2,102	2,091	2,194	2,233
9 - 12	3,700	3,665	3,754	3,839	3,871	3,971	4,064	4,167	4,214	4,277
K - 12 Total	11,813	11,779	11,915	12,028	12,070	12,291	12,656	12,794	12,938	13,092

Source: Pennsylvania Department of Education, Downingtown Area School District

Downingtown Area School District

Downingtown Area School District
Historical Enrollment



Downingtown Area 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 Pennsylvania Department of Health, Division of Health Information provides data about live birth events for Pennsylvania residents. Information about events occurring outside of Pennsylvania to Pennsylvania residents is included. Information about events occurring inside Pennsylvania to non-Pennsylvania residents is not included.

Data is arranged by the residence of the mother regardless of where she gives birth.

The number of live births is recorded by:

- ▶ State
- ▶ County
- ▶ City
- ▶ Borough
- ▶ Township

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.

Downingtown Area School District

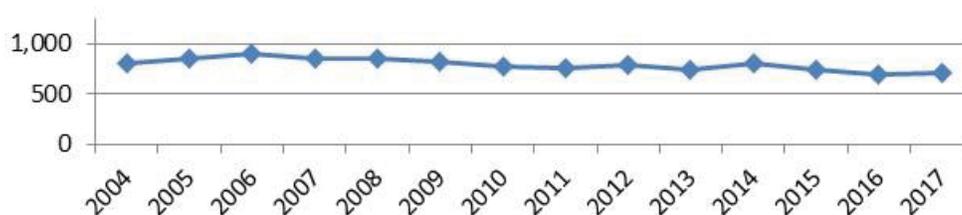
The following table and graph include the live birth counts for Downingtown Borough and East Brandywine, East Caln, Upper Uwchlan, Uwchlan, Wallace, West Bradford, and West Pikeland townships.

**Downingtown Area School District
Live Birth Counts
2004-2017**

Year	Downingtown Borough	East Brandywine Township	East Caln Township	Upper Uwchlan Township	Uwchlan Township	Wallace Township	West Bradford Township	West Pikeland Township	Total # of Live Births
2004	131	65	53	92	250	30	144	40	805
2005	145	75	79	87	208	49	152	61	856
2006	135	85	82	101	240	27	166	64	900
2007	149	67	85	115	199	35	156	44	850
2008	128	58	82	178	189	21	164	39	859
2009	121	67	69	157	195	27	159	29	824
2010	134	66	71	141	164	29	142	23	770
2011	130	71	65	144	190	20	118	22	760
2012	133	74	53	141	174	40	147	29	791
2013	114	67	63	121	186	26	133	38	748
2014	146	88	64	113	198	43	128	23	803
2015	126	93	45	112	161	38	130	30	735
2016	112	76	46	91	192	31	127	25	700
2017	115	75	46	86	185	34	129	36	706

Source: Pennsylvania Department of Health, Birth Statistics

**Downingtown Area School District
Live Birth Counts**



Downingtown Area School District

DEMOGRAPHICS

The Downingtown Area School District is comprised of Downingtown Borough and East Brandywine, East Caln, Upper Uwchlan, Uwchlan, Wallace, West Bradford, and West Pikeland townships in Chester County. General demographic data is included in the following tables for the areas located completely or partially in the District.

General Demographic Information

	Chester County	Pennsylvania
Per Capita Income	\$46,256	\$31,476
Median Household Income	\$92,417	\$56,951
Persons Below Poverty	6.9%	13.1%

Source: US Census, American Community Survey, 2017 5-Year Estimates

Total Population

	2010 Census	2017 Estimate
Chester County	498,886	514,652
Downingtown Borough	7,891	7,961
East Brandywine Township	6,742	8,156
East Caln Township	4,838	4,865
Upper Uwchlan Township	11,227	11,488
Uwchlan Township	18,088	18,757
Wallace Township	3,458	3,676
West Bradford Township	12,223	12,772
West Pikeland Township	4,024	4,056

Source: US Census, American Community Survey, 2010 Demographic Profile Data & 2017 5-Year Estimates

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

Downingtown Area 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.

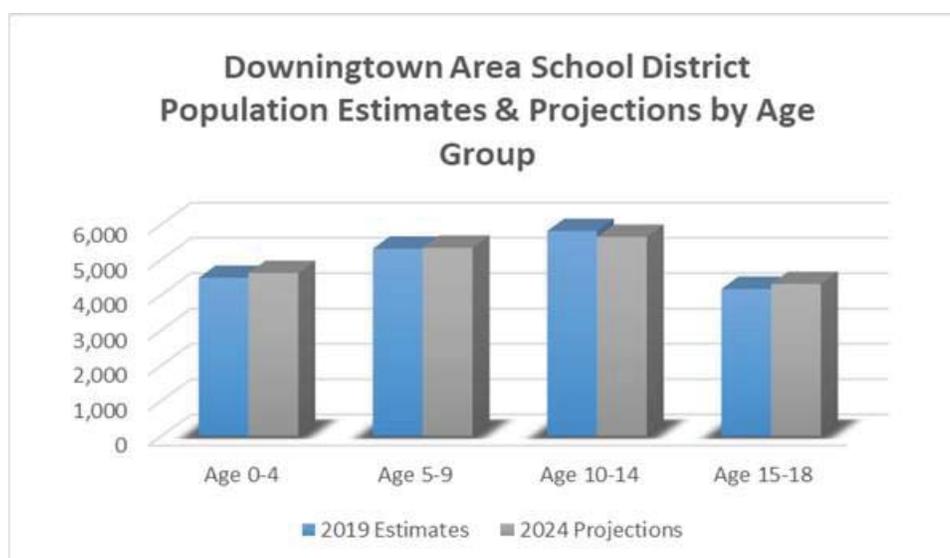
Downingtown Area School District

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 family households.

The total population in the District is 72,707. This population is projected to increase by 2,594 people, or approximately 4% over a 5-year period. The 0-18 year-old population in the District currently totals 19,781. This population is projected to increase by 137 people, or less than 1 percent. The median age is projected to increase by approximately 2%, from 40.1 to 41.0 years of age.

Downingtown Area School District	2019 Estimates	2024 Projections	Change 2019-24	Change 2019-24 (%)
Total Population	72,707	75,301	2,594	3.6%
Age 0-4	4,486	4,623	137	3.1%
Age 5-9	5,312	5,336	24	0.5%
Age 10-14	5,812	5,646	-166	-2.9%
Age 15-18	4,171	4,313	142	3.4%
Total Age 0-18	19,781	19,918	137	0.7%
Median Age	40.1	41.0	0.9	2.2%

Source: ESRI



Downingtown Area School District

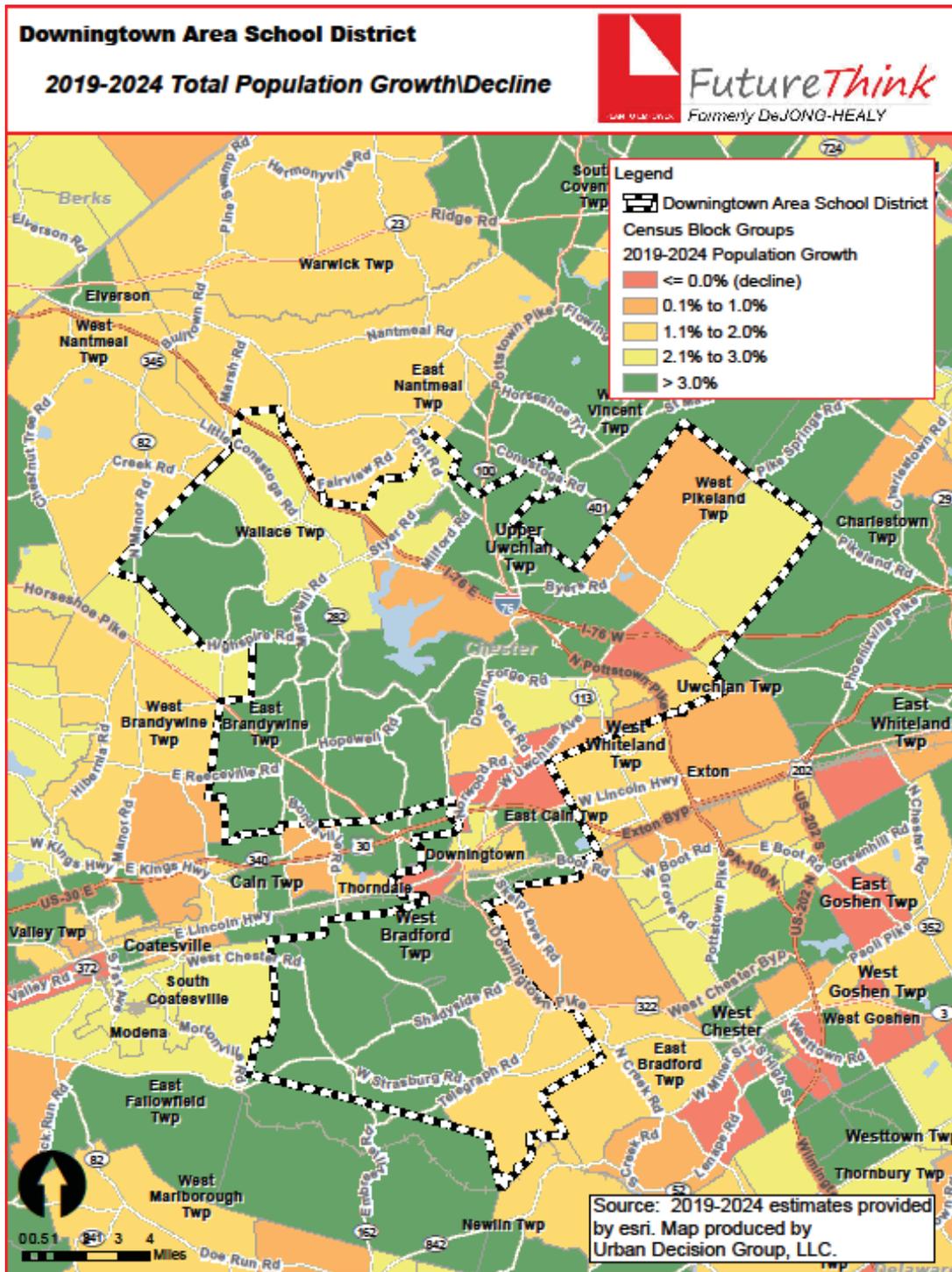
Median and average household incomes in the District are both projected to increase by approximately 10% and 11%, respectively, over a 5-year period. The average family size is projected to increase slightly, and the number of family households is projected to increase by approximately 3 percent.

Downingtown Area School District	2019 Estimates	2024 Projections	Change 2019-24	Change 2019-24 (%)
Median Household Income	\$117,700	\$129,715	\$12,015	10.2%
Average Household Income	\$147,933	\$164,143	\$16,210	11.0%
Average Family Size	3.23	3.24	0.01	0.3%
Total Family Households	19,712	20,350	638	3.2%

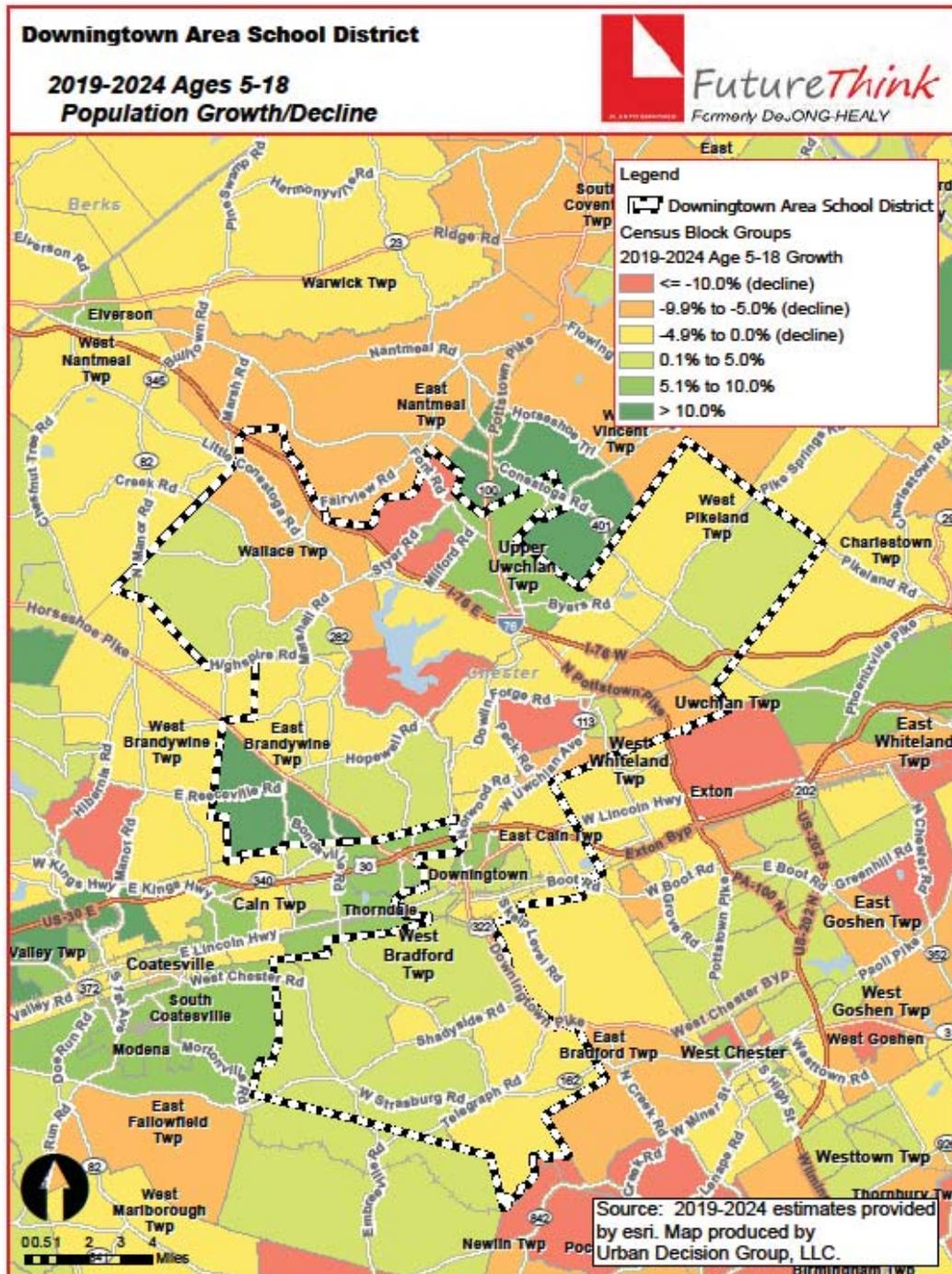
Source: ESRI

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.

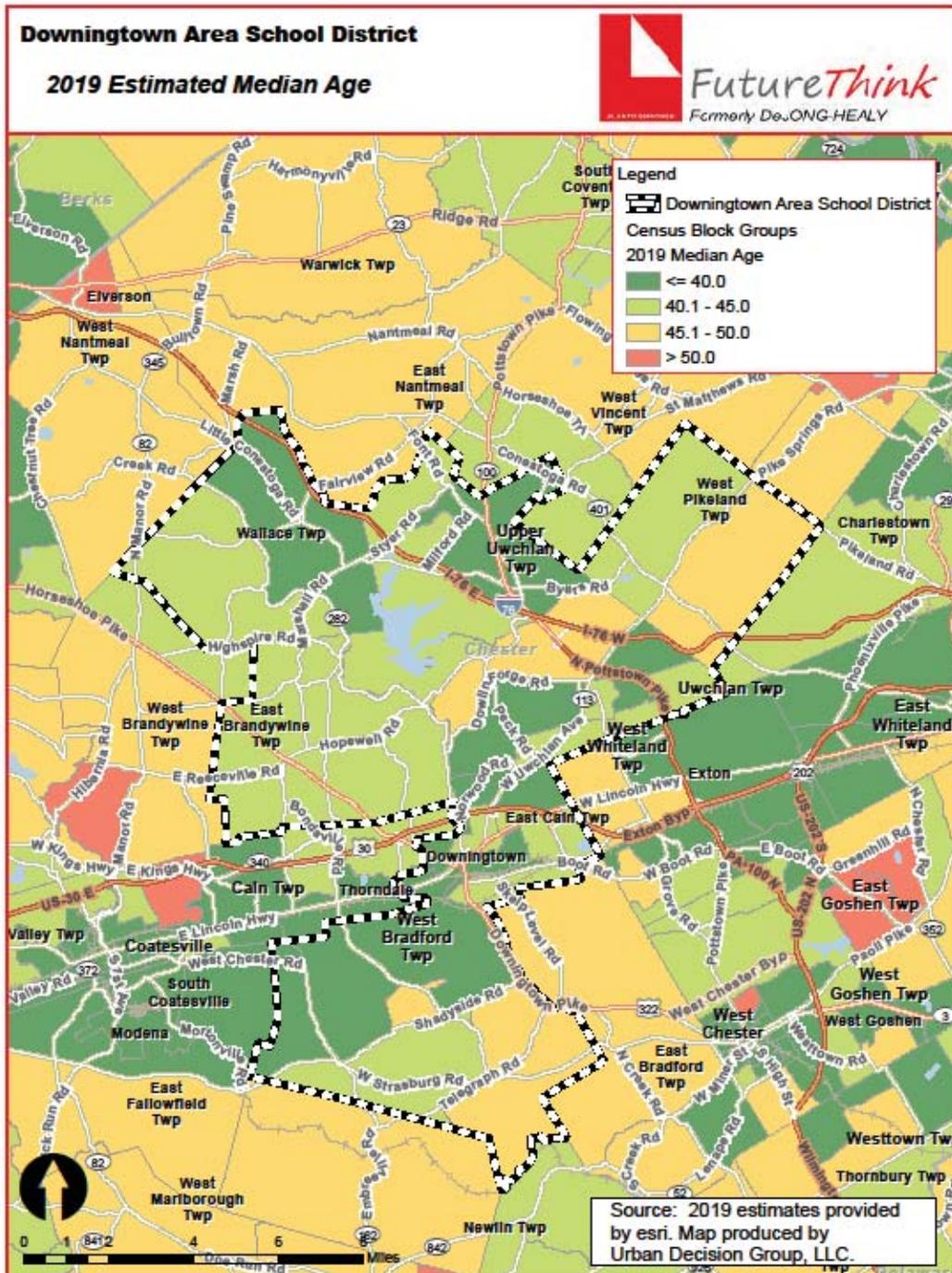
Downingtown Area School District



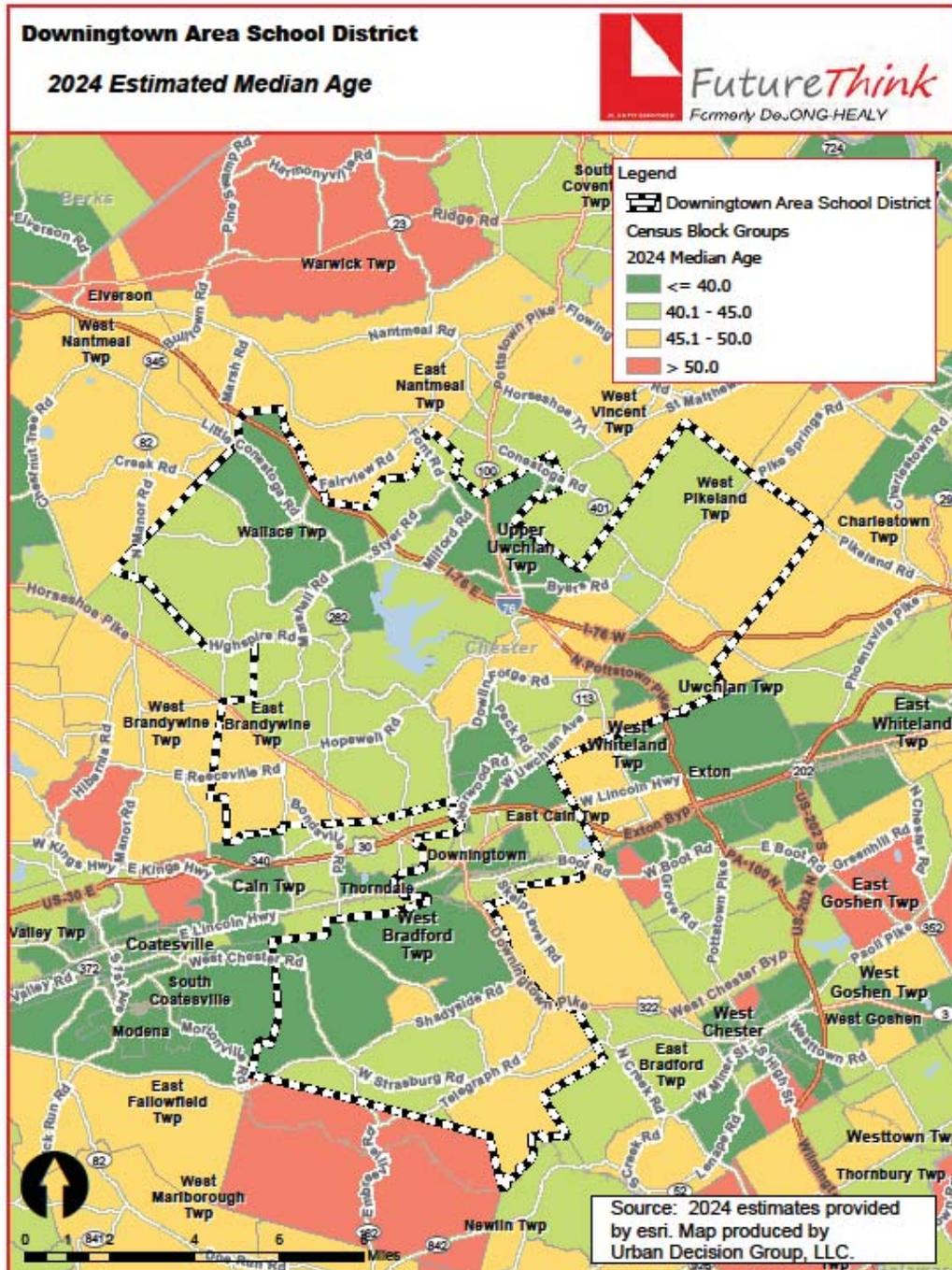
Downingtown Area School District



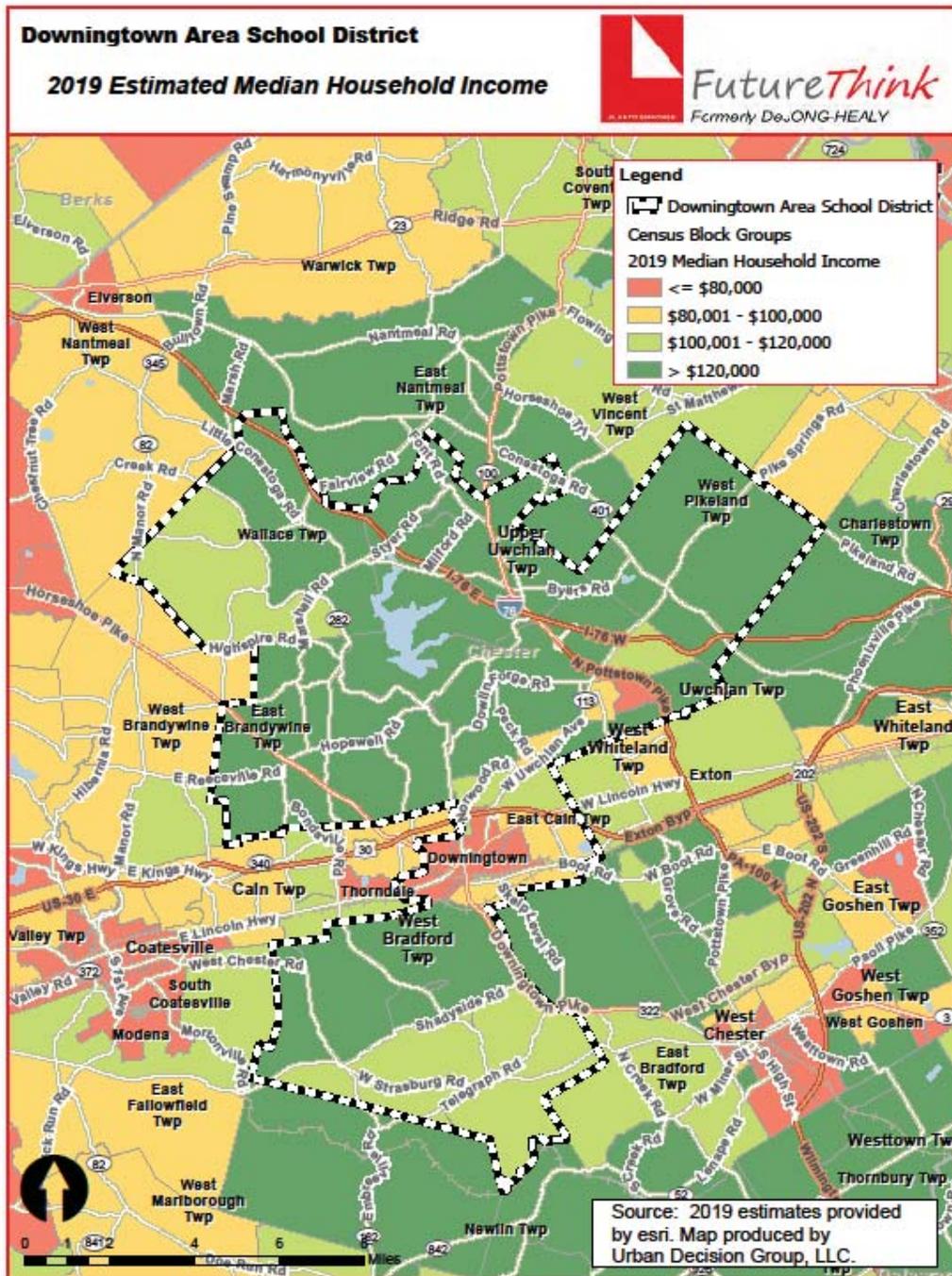
Downingtown Area School District



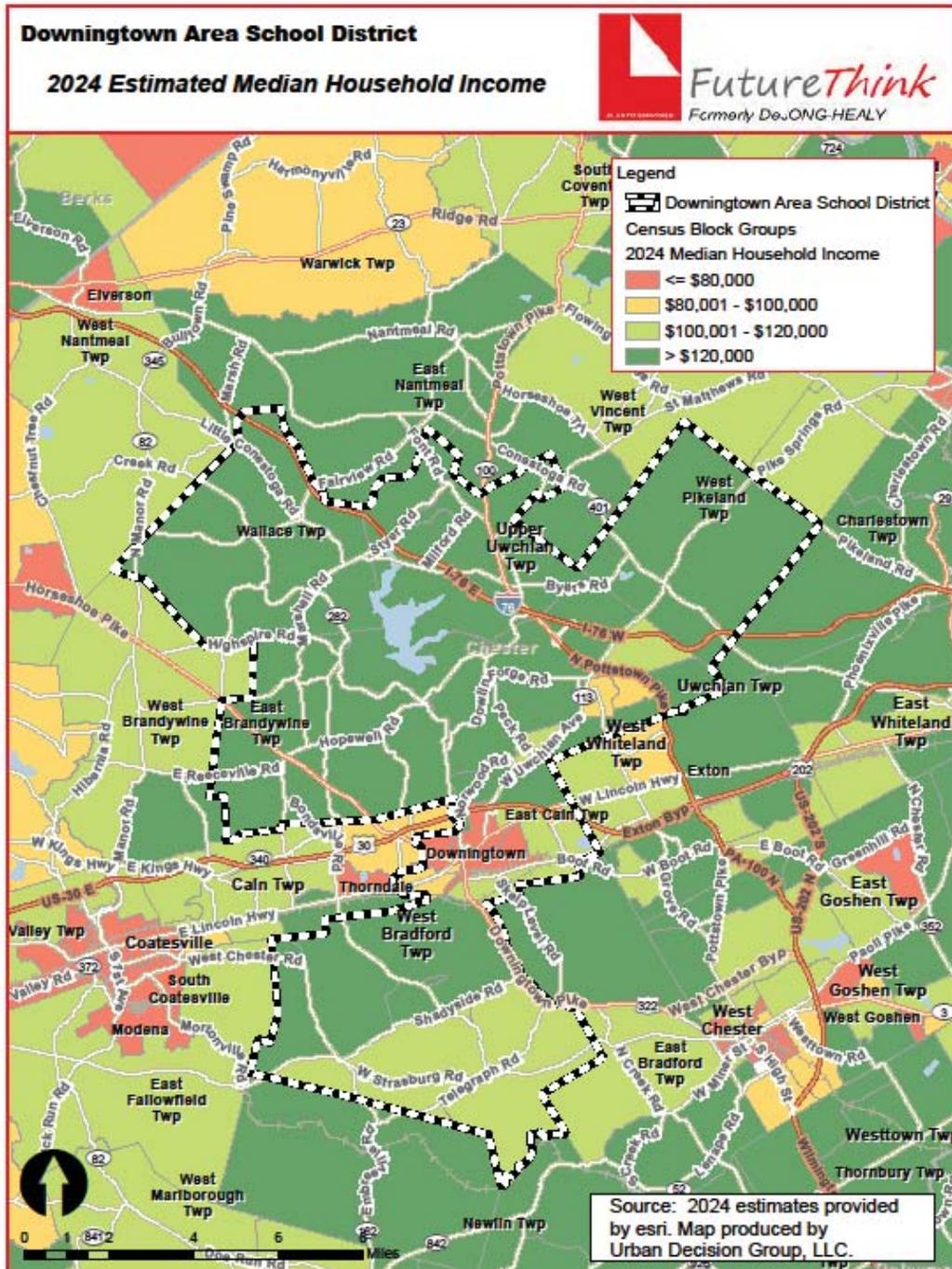
Downingtown Area School District



Downingtown Area School District



Downingtown Area School District



Downingtown Area School District

HOUSING INFORMATION

The chart below illustrates the number of single-family dwelling building permits issued each year in Downingtown Borough and East Brandywine, East Caln, Upper Uwchlan, Uwchlan, Wallace, West Bradford, and West Pikeland townships.

**Downingtown Area School District
of Buildings Permits Issued for Single Family Dwellings**

Year	Downingtown Borough	East Brandywine Township	East Caln Township	Upper Uwchlan Township	Uwchlan Township	Wallace Township	West Bradford Township	West Pikeland Township	Total
2010	0	93	0	27	0	25	22	2	169
2011	6	80	0	13	8	12	28	4	151
2012	3	116	1	17	16	22	39	1	215
2013	4	158	1	10	13	14	27	1	228
2014	9	98	0	2	3	5	58	5	180
2015	2	58	2	3	1	0	51	5	122
2016	4	34	3	3	0	0	25	5	74
2017	2	126	0	48	1	4	63	2	246
2018	0	95	0	87	0	4	118	2	306
2019	26	57	16	76	0	9	131	3	318
2020*	9	4	0	7	0	1	6	0	27

Source: SOCDs Building Permit Database

*preliminary through January

In Downingtown Borough, there are 866 units either under construction (Status 2), approved but not under construction yet (3) or in planning, sketch, preliminary, final, conditional use (4). Please note that 60 of these units are planned as a 55 and older community.

Downingtown Borough	Type	Status	# of Units	Estimated Year of Completion
River Station West	Apartments	3	204	2022
River Station East	Apartments	3	70	2026
Keystone Opportunity Zone - Amtrak	Townhomes - 55+	4	60	2026
Daniel's Way	Townhomes	3	24	2023
Woodbine Partners Lot 1	Apartments	2	223	2023
Woodbine Partners Lot 3	Single/Townhomes	2	225	2025
Twin Homes	Twin	2	2	2020
Trestle View Village	Townhomes	4	58	2024
Total			866	

Downingtown Area School District

In East Brandywine Township, there are 753 units either under construction (2) or in planning, sketch, preliminary, final, conditional use (4). Please note that 294 of these units are planned as a 55 and older community.

East Brandywine Township	Type	Status	# of Units	Estimated Year of Completion
Estates at Dowlin Forge (Township Rd & Creek Rd - formally Hillendale)	Mixed	2	210	2021
Marsh Creek Homes	Single	2	6	2020
Mapleview - Watters Farm	Townhomes	2	154	2023
Weaver Tract (DASD)	Mixed (sf and th) - 55+	4	294	2025
Village of Guthriesville Master Plan				Unknown
Plank Farm	Townhomes	2	89	Unknown
Rouse Chamberlain Homes Lot #121	May be Commercial now	4	0	Unknown
Kilgarif mixed use - 1155 Horseshoe Pike	Mixed Commercial and residential	4	0	Unknown
Total			753	

In East Caln Township, there are 162 units either under construction (2) or approved but not under construction yet (3).

East Caln Township	Type	Status	# of Units	Estimated Year of Completion
Greth Property (Rt 113 across from Millers insurance)	Townhomes	2	12	2020
825 E Lancaster Avenue	Townhomes	2	40	2020
Devereux Property	Townhouses	3	110	2022
Total			162	

Downingtown Area School District

In Upper Uwchlan Township, there are 571 units either under construction (2), approved but not under construction yet (3) or in planning, sketch, preliminary, final, conditional use (4). Please note that 375 of these units are planned as a 55 and older community.

Upper Uwchlan Township	Type	Status	# of Units	Estimated Year of Completion
Popjoy Property - Little Conestoga Rd	Single Family	2	20	2020
Jankowski Property - Pottstown Pike	Single Family	4	55	2022
Equus Properties	Townhomes	3	121	2021
Fetters Farm	Single - 55+	4	375	2024
Total			571	

In Uwchlan Township, there are 383 units either under construction (2) or in planning, sketch, preliminary, final, conditional use (4). Please note that 288 of these units are planned as a 55 and older community.

Uwchlan Township	Type	Status	# of Units	Estimated Year of Completion
Gray Brothers Property - Worthington Rd	Single Family	4	75	2024
French Property - Peck Road	Single Family	4	8	2021
Saporito Property - N Lynwood Lane (24 acres)	Single Family	4	10	2023
Eagleview Landing - Rice/Stockton	Apartment - Assisted Living - 55+	2	288	2021
Sabbi Property - Across from Pennypacker Country Club	Single Family	4	2	2021
Total			383	

In Wallace Township, there are 239 units either under construction (2), approved but not under construction yet (3) or in planning, sketch, preliminary, final, conditional use (4).

Wallace Township	Type	Status	# of Units	Estimated Year of Completion
Highspire Estates - Spring Mill	Single Family	3	20	2022
Popjoy Property - Little Conestoga Rd	Single Family	2	7	2020
Southdown/Heim	Single Family	4	36	2023
Brandolini Wallace LP	Single Family	4	101	2026
Ferguson Preserve	Single Family	4	64	2025
Mila Woods	Single Family	4	11	2023
Total			239	

Downingtown Area School District

In West Bradford Township, there are 413 units either under construction (2), approved but not under construction yet (3) or in planning, sketch, preliminary, final, conditional use (4).

West Bradford Township	Type	Status	# of Units	Estimated Year of Completion
Buck Hill Farm	Single Family	2	125	2020
Stargazers Village at Romansville	Mixed	2	134	2020
Estates at Tattersall Phase ?	Single Family	3	1	2020
Mayfair - Boulder Dr	Townhomes	2	112	2021
1467 Federal Drive	Single Family	4	1	2020
1073 Stargazers Rd	Single Family	2	1	2020
2 Mulberry Lane	Single Family	2	1	2020
1097 Maryland Cir	Single Family	2	1	2022
1447 Sawmill Rd	Single Family	2	1	2022
995 Desantis Dr	Single Family	2	1	2022
Lenfest Farm - Goundhog College Road	Farmettes	4	2	2021
Embreeville		4	33	2023
Total			413	

In West Pikeland Township, there are 13 units. The Barnes Foundation has one home currently and the lot was split to accommodate two more homes. The remaining 137 acres will remain undeveloped. Regarding the Natural Land Conservation, the homes are not expected to be completed for several years.

West Pikeland Township	Type	Status	# of Units	Estimated Year of Completion
Barnes Foundation - 40 acres	Single Family		2	2020
Natural Land Conservation - 240 acres	Single Family		11	2025
Total			13	

Downingtown Area 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.
- ▶ Grades 8-9: The higher than usual percentage often is a result of school district promotion policies. Often in school districts, students are promoted from 8th to 9th grade and after one year in 9th grade do not have sufficient credits to be classified as 10th graders and are counted again as 9th graders the following year. There may also be students who attended private or charter schools or are home schooled through grade 8 and then attend public schools for high school education.

The following table illustrates the survival ratios for the Downingtown Area 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
2010	2011	80.1%	117.3%	101.8%	101.7%	102.0%	101.1%	100.7%	100.2%	100.4%	100.0%	99.6%	98.1%	100.3%
2011	2012	81.6%	121.8%	103.8%	102.9%	102.7%	99.5%	104.0%	102.6%	100.9%	100.8%	100.5%	99.8%	100.2%
2012	2013	73.7%	123.2%	105.4%	102.6%	103.5%	102.0%	104.6%	100.6%	102.9%	102.7%	99.7%	99.6%	100.1%
2013	2014	77.8%	122.6%	107.8%	103.2%	103.7%	102.9%	103.7%	101.8%	101.2%	101.0%	99.9%	99.8%	100.0%
2014	2015	83.5%	132.8%	107.7%	105.5%	103.5%	104.2%	105.6%	101.5%	101.3%	102.6%	100.4%	99.3%	99.9%
2015	2016	96.6%	131.6%	108.0%	107.9%	103.5%	106.2%	106.1%	103.9%	101.5%	103.1%	99.8%	100.2%	101.1%
2016	2017	90.4%	119.6%	106.0%	105.7%	105.0%	102.2%	104.8%	101.7%	101.7%	100.1%	101.0%	99.4%	101.2%
2017	2018	99.7%	124.2%	104.0%	104.8%	103.7%	103.7%	102.4%	103.5%	100.5%	101.4%	100.6%	99.6%	101.4%
2018	2019	90.9%	117.4%	107.1%	105.4%	103.5%	103.3%	106.9%	102.2%	101.6%	102.7%	99.8%	99.0%	101.9%
	average	86.04%	123.383%	105.73%	104.4%	103.45%	102.8%	104.3%	102.0%	101.3%	101.602%	100.150%	99.422%	100.685%
	standard deviation	8.318%	5.222%	2.054%	1.831%	0.767%	1.806%	1.780%	1.142%	0.696%	1.121%	0.466%	0.556%	0.683%

Downingtown Area School District

ENROLLMENT PROJECTIONS

Enrollment projections were developed after analyzing the data collected in this report. The projections indicate an increase of 770 students from the 2019-20 to the 2029-30 school year. The following tables and graph illustrate projected enrollments by grade and by grade group through the 2029-30 school year.

Downingtown Area School District
Projected Enrollment

Grade	2019-20 Actual	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	730	715	679	688	719	706	718	726	736	744	754
1	876	892	877	834	842	879	865	877	889	901	912
2	951	932	949	928	884	892	935	918	930	944	955
3	962	1,011	991	1,007	989	940	949	991	977	991	1,001
4	973	1,004	1,060	1,040	1,052	1,033	984	993	1,036	1,018	1,035
5	1,040	1,010	1,042	1,097	1,079	1,093	1,073	1,022	1,031	1,076	1,059
6	1,050	1,092	1,055	1,086	1,134	1,108	1,150	1,115	1,062	1,071	1,119
7	1,077	1,089	1,133	1,096	1,128	1,174	1,144	1,175	1,138	1,085	1,094
8	1,156	1,094	1,107	1,152	1,114	1,147	1,194	1,163	1,195	1,158	1,102
9	1,084	1,182	1,118	1,127	1,173	1,135	1,166	1,216	1,186	1,219	1,176
10	1,053	1,089	1,187	1,123	1,134	1,180	1,141	1,173	1,222	1,191	1,225
11	1,076	1,048	1,086	1,182	1,119	1,129	1,176	1,136	1,169	1,218	1,188
12	1,064	1,094	1,067	1,106	1,202	1,138	1,149	1,197	1,158	1,189	1,242
K - 12 Total	13,092	13,252	13,351	13,466	13,569	13,554	13,644	13,702	13,729	13,805	13,862

Source: FutureThink

Downingtown Area School District
Projected Enrollment by Grade Group

Grade	2019-20 Actual	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K - 5	5,532	5,564	5,598	5,594	5,565	5,543	5,524	5,527	5,599	5,674	5,716
6	1,050	1,092	1,055	1,086	1,134	1,108	1,150	1,115	1,062	1,071	1,119
7 - 8	2,233	2,183	2,240	2,248	2,242	2,321	2,338	2,338	2,333	2,243	2,196
9 - 12	4,277	4,413	4,458	4,538	4,628	4,582	4,632	4,722	4,735	4,817	4,831
K - 12 Total	13,092	13,252	13,351	13,466	13,569	13,554	13,644	13,702	13,729	13,805	13,862

Source: FutureThink

Downingtown Area School District
Projected Enrollment by Grade Group

Grade	2019-20 Actual	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K - 4	4,492	4,554	4,556	4,497	4,486	4,450	4,451	4,505	4,568	4,598	4,657
5 - 6	2,090	2,102	2,097	2,183	2,213	2,201	2,223	2,137	2,093	2,147	2,178
7 - 8	2,233	2,183	2,240	2,248	2,242	2,321	2,338	2,338	2,333	2,243	2,196
9 - 12	4,277	4,413	4,458	4,538	4,628	4,582	4,632	4,722	4,735	4,817	4,831
K - 12 Total	13,092	13,252	13,351	13,466	13,569	13,554	13,644	13,702	13,729	13,805	13,862

Source: FutureThink

Downingtown Area School District

Enrollment projections were also developed for each school. Following are the historical and projected enrollments for each school.

Beaver Creek Elementary School is projected to increase by 81 students from 2019-20 to the 2029-30 school year.

Beaver Creek Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	73	86	76	63	66	65	72	64	56	76
1	71	76	86	85	65	81	67	82	64	64
2	74	68	82	86	76	69	84	73	80	80
3	68	72	72	81	77	73	67	86	83	86
4	72	73	78	78	65	79	79	76	88	84
5	76	72	76	73	71	69	80	90	76	100
K - 5 Total	434	447	470	466	420	436	449	471	447	490

Source: Pennsylvania Department of Education, Downingtown Area School District

Beaver Creek Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	74	70	71	74	73	74	75	76	77	78
1	86	83	79	80	84	82	83	85	86	87
2	70	94	91	86	87	91	90	91	92	93
3	86	75	101	98	93	94	98	97	98	99
4	91	92	80	107	104	99	100	104	103	104
5	90	98	98	86	115	111	106	107	112	110
K - 5 Total	497	512	520	531	556	551	552	560	568	571

Source: FutureThink

Downingtown Area School District

Bradford Heights Elementary School is projected to increase by 85 students from 2019-20 to the 2029-30 school year.

Bradford Heights Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	76	77	71	75	60	72	71	84	98	86
1	93	77	80	74	91	80	87	78	106	102
2	87	91	82	79	84	90	82	91	80	110
3	80	88	93	86	88	80	95	89	101	81
4	84	85	94	95	95	91	83	112	93	104
5	75	87	80	93	95	98	96	86	116	92
K - 5 Total	495	505	500	502	513	511	514	540	594	575

Source: Pennsylvania Department of Education, Downingtown Area School District

Bradford Heights Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	87	83	84	88	86	88	89	90	91	92
1	99	101	96	97	101	99	101	102	104	105
2	106	103	104	99	100	105	103	105	106	107
3	118	113	110	112	106	107	112	110	112	113
4	87	127	122	118	120	115	116	121	119	121
5	107	90	130	125	122	124	118	119	124	122
K - 5 Total	604	617	646	639	635	638	639	647	656	660

Source: FutureThink

Downingtown Area School District

Brandywine-Wallace Elementary School is projected to decrease by 20 students from 2019-20 to the 2029-30 school year.

Brandywine-Wallace Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	64	54	56	58	75	71	90	65	71	62
1	51	80	58	67	80	97	81	103	78	81
2	76	55	81	65	83	90	91	85	101	83
3	49	75	53	89	75	92	88	101	91	107
4	76	54	79	56	103	82	87	90	102	93
5	62	78	59	86	61	115	83	96	89	107
K - 5 Total	378	396	386	421	477	547	520	540	532	533

Source: Pennsylvania Department of Education, Downingtown Area School District

Brandywine-Wallace Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	68	65	66	69	67	68	69	70	71	72
1	72	79	75	76	79	78	79	80	81	82
2	84	74	82	78	78	82	81	82	83	84
3	90	91	81	89	85	85	89	88	89	90
4	109	92	93	82	90	86	87	91	89	91
5	97	114	96	97	86	95	90	91	95	94
K - 5 Total	520	515	493	491	485	494	495	502	508	513

Source: FutureThink

Downingtown Area School District

East Ward Elementary School is projected to increase by 38 students from 2019-20 to the 2029-30 school year.

East Ward Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	87	66	72	80	70	72	71	66	74	80
1	92	105	81	98	92	84	93	88	83	82
2	99	93	110	84	104	100	101	92	96	87
3	121	94	86	111	83	106	104	97	87	100
4	94	116	97	91	114	87	108	95	101	92
5	97	91	111	108	102	117	95	101	102	94
K - 5 Total	590	565	557	572	565	566	572	539	543	535

Source: Pennsylvania Department of Education, Downingtown Area School District

East Ward Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	73	69	70	73	72	73	74	75	76	77
1	99	90	86	86	90	89	90	91	93	94
2	89	107	97	93	93	98	96	97	99	100
3	87	89	107	98	93	94	98	97	98	99
4	104	91	93	112	102	97	98	102	100	102
5	93	105	92	93	113	102	98	98	103	101
K - 5 Total	545	551	545	555	563	553	554	560	569	573

Source: FutureThink

Downingtown Area School District

Lionville Elementary School is projected to decrease by 15 students from 2019-20 to the 2029-30 school year.

Lionville Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	89	100	100	81	79	77	101	99	95	94
1	89	106	112	118	96	101	95	115	111	100
2	117	90	104	121	113	95	105	103	116	108
3	101	116	98	108	114	122	108	114	102	116
4	102	107	126	103	92	119	130	111	114	106
5	104	104	98	132	105	96	123	131	111	117
K - 5 Total	602	623	638	663	599	610	662	673	649	641

Source: Pennsylvania Department of Education, Downingtown Area School District

Lionville Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	90	86	87	91	89	91	92	93	94	95
1	106	102	97	98	102	101	102	103	105	106
2	100	106	102	97	98	102	101	102	103	105
3	111	103	109	104	99	100	105	103	105	106
4	119	113	105	111	107	102	103	107	105	107
5	107	120	114	106	112	108	103	104	108	107
K - 5 Total	633	630	614	607	607	604	606	612	620	626

Source: FutureThink

Downingtown Area School District

Pickering Valley Elementary School is projected to decrease by 35 students from 2019-20 to the 2029-30 school year.

Pickering Valley Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	78	78	65	63	43	41	46	39	53	29
1	115	109	115	117	64	73	78	75	65	73
2	137	121	113	123	98	74	84	80	71	71
3	106	139	130	108	95	101	85	92	81	80
4	122	108	136	127	91	95	106	85	98	89
5	130	119	108	137	100	95	107	110	88	100
K - 5 Total	688	674	667	675	491	479	506	481	456	442

Source: Pennsylvania Department of Education, Downingtown Area School District

Pickering Valley Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	40	38	38	40	39	40	40	41	41	42
1	46	63	60	60	63	62	63	64	64	65
2	77	48	66	63	64	67	65	66	67	68
3	78	85	53	73	69	70	73	72	73	74
4	86	84	91	57	78	74	75	78	77	78
5	92	89	86	94	59	81	77	78	81	80
K - 5 Total	419	407	394	387	372	394	393	399	403	407

Source: FutureThink

Downingtown Area School District

Shamona Creek Elementary School is projected to increase by 39 students from 2019-20 to the 2029-30 school year.

Shamona Creek Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	56	55	53	31	56	76	77	73	63	82
1	74	61	64	65	78	91	98	96	102	87
2	83	76	67	69	114	90	100	108	106	111
3	106	91	85	73	102	125	107	108	112	109
4	108	102	91	85	114	98	122	115	107	111
5	90	112	106	91	112	118	107	124	113	105
K - 5 Total	517	497	466	414	576	598	611	624	603	605

Source: Pennsylvania Department of Education, Downingtown Area School District

Shamona Creek Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	73	69	70	73	72	73	74	75	76	77
1	111	99	94	95	99	97	99	100	101	103
2	96	122	108	103	104	109	107	108	110	111
3	120	104	132	117	112	113	118	116	118	119
4	108	120	103	132	117	111	112	117	115	117
5	113	110	122	105	134	119	113	114	119	117
K - 5 Total	621	624	629	625	638	622	623	630	639	644

Source: FutureThink

Downingtown Area School District

Springton Manor Elementary School is projected to decrease by 27 students from 2019-20 to the 2029-30 school year.

Springton Manor Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	55	62	42	39	46	41	66	82	91	74
1	72	63	78	45	54	59	73	78	94	110
2	76	80	69	79	63	64	83	82	91	105
3	76	82	77	74	97	72	79	89	88	101
4	86	79	84	78	87	102	83	87	102	98
5	91	88	82	82	88	88	115	81	100	109
K - 12 Total	456	454	432	397	435	426	499	499	566	597

Source: Pennsylvania Department of Education, Downingtown Area School District

Springton Manor Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	68	64	65	68	67	68	69	70	70	71
1	87	80	76	77	80	79	80	81	82	83
2	125	99	90	86	87	91	89	90	92	93
3	114	135	107	98	93	94	98	97	98	99
4	113	128	151	120	110	105	105	110	108	110
5	103	119	134	160	127	116	110	111	116	114
K - 12 Total	610	625	623	609	564	553	551	559	566	570

Source: FutureThink

Downingtown Area School District

Uwchlan Hills Elementary School is projected to increase by 28 students from 2019-20 to the 2029-30 school year.

Uwchlan Hills Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	63	67	68	58	69	52	74	60	66	65
1	84	80	98	84	67	80	71	82	75	77
2	100	85	84	103	87	72	82	74	84	85
3	100	106	87	85	107	94	80	85	84	89
4	99	99	103	92	88	112	94	83	84	83
5	113	99	99	107	86	88	117	98	82	86
K - 5 Total	559	536	539	529	504	498	518	482	475	485

Source: Pennsylvania Department of Education, Downingtown Area School District

Uwchlan Hills Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	65	62	63	66	65	66	66	67	68	69
1	79	80	76	77	80	79	80	81	82	83
2	80	83	83	79	80	84	82	84	85	86
3	92	87	90	91	86	87	91	90	91	92
4	90	93	88	91	91	87	88	92	90	91
5	85	92	95	90	93	94	89	90	94	92
K - 5 Total	491	497	495	494	495	497	496	504	510	513

Source: FutureThink

Downingtown Area School District

West Bradford Elementary School is projected to increase by 10 students from 2019-20 to the 2029-30 school year.

West Bradford Elementary Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
K	81	76	91	85	77	76	66	83	79	82
1	95	90	106	102	89	105	103	81	110	100
2	99	92	87	116	100	92	107	109	88	111
3	113	101	95	87	117	108	89	110	111	93
4	87	115	102	102	86	123	115	93	118	113
5	99	90	114	101	113	90	126	112	105	130
K - 12 Total	574	564	595	593	582	594	606	588	611	629

Source: Pennsylvania Department of Education, Downingtown Area School District

West Bradford Elementary Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
K	77	73	74	77	76	77	78	79	80	81
1	107	100	95	96	101	99	100	102	103	104
2	105	113	105	100	101	106	104	105	107	108
3	115	109	117	109	104	105	109	107	109	110
4	97	120	114	122	114	108	109	114	112	114
5	123	105	130	123	132	123	118	119	124	122
K - 12 Total	624	620	635	627	628	618	618	626	635	639

Source: FutureThink

March Creek Sixth Grade Center is projected to increase by 69 students from 2019-20 to the 2029-30 school year.

March Creek Sixth Grade Center Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
6	953	944	978	976	1,047	985	1,033	1,099	1,054	1,050
Total	953	944	978	976	1,047	985	1,033	1,099	1,054	1,050

Source: Pennsylvania Department of Education, Downingtown Area School District

please note that March Creek opened for the 2014-15 school year; however grade configuration is held constant for projection purposes

March Creek Sixth Grade Center Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
6	1,092	1,055	1,086	1,134	1,108	1,150	1,115	1,062	1,071	1,119
Total	1,092	1,055	1,086	1,134	1,108	1,150	1,115	1,062	1,071	1,119

Source: FutureThink

Downingtown Area School District

Downingtown Middle School is projected to increase by 69 students from 2019-20 to the 2029-30 school year.

Downingtown Middle School Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
7	446	435	411	463	453	509	523	561	564	545
8	440	453	446	432	471	467	518	536	559	580
7 - 8 Total	886	888	857	895	924	976	1,041	1,097	1,123	1,125

Source: Pennsylvania Department of Education, Downingtown Area School District

Downingtown Middle School Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
7	552	608	593	595	652	631	653	617	588	593
8	557	565	622	606	609	667	645	668	631	601
7 - 8 Total	1,109	1,173	1,215	1,201	1,261	1,298	1,298	1,285	1,219	1,194

Source: FutureThink

Lionville Middle School is projected to decrease by 106 students from 2019-20 to the 2029-30 school year.

Lionville Middle School Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
7	504	520	558	521	541	554	500	490	574	532
8	477	501	518	565	525	540	561	504	497	576
7 - 8 Total	981	1,021	1,076	1,086	1,066	1,094	1,061	994	1,071	1,108

Source: Pennsylvania Department of Education, Downingtown Area School District

Lionville Middle School Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
7	537	525	503	533	522	513	522	521	497	501
8	537	542	530	508	538	527	518	527	527	501
7 - 8 Total	1,074	1,067	1,033	1,041	1,060	1,040	1,040	1,048	1,024	1,002

Source: FutureThink

Downingtown Area School District

With the opening of the new STEM Academy addition in September 2020, the incoming 9th grade population at both Downingtown High School East and West will be reduced by 25 students each year from 2020-21 through 2023-24 for a total of 200 students. These 200 students will attend STEM Academy instead.

Downingtown High School East is projected to decrease by 93 students from 2019-20 to the 2029-30 school year.

Downingtown High School East Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
9	515	377	382	426	460	432	440	452	409	416
10	510	391	378	386	430	463	440	441	457	418
11	466	501	396	388	393	434	473	433	440	448
12	486	470	500	409	393	393	438	463	443	440
9 - 12 Total	1,977	1,739	1,656	1,609	1,676	1,722	1,791	1,789	1,749	1,722

Source: Pennsylvania Department of Education, Downingtown Area School District

Downingtown High School East Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
9	446	414	418	408	390	414	405	398	406	405
10	421	452	420	424	414	395	420	411	403	411
11	416	420	450	418	422	412	393	418	409	402
12	450	418	422	452	420	424	439	395	420	411
9 - 12 Total	1,733	1,704	1,710	1,702	1,646	1,645	1,657	1,622	1,638	1,629

Source: FutureThink

Downingtown High School West is projected to increase by 360 students from 2019-20 to the 2029-30 school year.

Downingtown High School West Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
9	462	329	359	360	334	382	377	414	435	458
10	404	379	347	362	358	344	384	391	420	434
11	409	396	395	355	362	360	345	390	393	422
12	448	408	399	390	354	374	376	368	398	418
9 - 12 Total	1,723	1,512	1,500	1,467	1,408	1,460	1,482	1,563	1,646	1,732

Source: Pennsylvania Department of Education, Downingtown Area School District

Downingtown High School West Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
9	448	429	435	482	469	471	519	501	519	489
10	466	456	437	444	491	478	480	528	510	529
11	437	469	459	441	447	495	481	484	532	514
12	443	458	492	483	463	470	520	506	508	560
9 - 12 Total	1,794	1,812	1,823	1,850	1,870	1,914	2,000	2,019	2,069	2,092

Source: FutureThink

Downingtown Area School District

STEM Academy is projected to increase by 287 students from 2019-20 to the 2029-30 school year.

STEM Academy Historical Enrollment

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
9		211	221	204	213	208	221	214	211	210
10		203	197	211	201	204	196	216	210	201
11		0	180	175	202	188	195	191	211	206
12		0	0	173	171	189	179	194	187	206
9 - 12 Total		414	598	763	787	789	791	815	819	823

Source: Pennsylvania Department of Education, Downingtown Area School District

STEM Academy Projected Enrollment

Grade	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
9	288	275	274	283	276	281	292	287	294	282
10	202	279	266	266	275	268	273	283	278	285
11	195	197	273	260	260	269	262	267	277	272
12	201	191	192	267	255	255	263	257	261	271
9 - 12 Total	886	942	1,005	1,076	1,066	1,073	1,090	1,094	1,110	1,110

Source: FutureThink

Downingtown Area School District

PDE ENROLLMENT PROJECTION

Enrollment projections were also developed by the Pennsylvania Department of Education, Office of Data Quality. Those dated April 23, 2019 are illustrated in the following tables from the 2019-20 to the 2028-29 school year. The projections indicate of decrease of 705 students from the 2018-19 to the 2028-29 school year.

Downingtown Area School District

PDE Projected Enrollment

Grade	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
K	743	680	648	653	640	628	615	603	590	578
1	825	885	810	772	778	763	747	732	718	703
2	945	878	942	862	822	828	812	795	779	764
3	962	995	925	992	908	866	872	855	837	821
4	977	1,000	1,034	961	1,031	944	900	906	888	870
5	1,048	1,017	1,041	1,076	1,000	1,073	982	937	943	924
6	1,028	1,097	1,065	1,090	1,127	1,047	1,124	1,028	981	987
7	1,082	1,055	1,126	1,093	1,119	1,157	1,075	1,154	1,055	1,007
8	1,152	1,095	1,068	1,140	1,107	1,133	1,171	1,088	1,168	1,068
9	1,075	1,173	1,115	1,087	1,161	1,127	1,153	1,192	1,108	1,189
10	1,060	1,080	1,178	1,120	1,092	1,166	1,132	1,158	1,197	1,113
11	1,083	1,056	1,076	1,174	1,116	1,088	1,162	1,128	1,154	1,193
12	1,058	1,098	1,071	1,091	1,190	1,131	1,103	1,178	1,144	1,170
K - 12 Total	13,038	13,109	13,099	13,111	13,091	12,951	12,848	12,754	12,562	12,387

Source: Pennsylvania Department of Education, Office of Data Quality

Downingtown Area School District

PDE Projected Enrollment by Grade Group

Grade	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
K - 5	5,500	5,455	5,400	5,316	5,179	5,102	4,928	4,828	4,755	4,660
6	1,028	1,097	1,065	1,090	1,127	1,047	1,124	1,028	981	987
7 - 8	2,234	2,150	2,194	2,233	2,226	2,290	2,246	2,242	2,223	2,075
9 - 12	4,276	4,407	4,440	4,472	4,559	4,512	4,550	4,656	4,603	4,665
K - 12 Total	13,038	13,109	13,099	13,111	13,091	12,951	12,848	12,754	12,562	12,387

Source: Pennsylvania Department of Education, Office of Data Quality

Downingtown Area School District

Following is a comparison of the projections to this year's actual enrollment. Overall, the projections were within 54 students of the actual enrollment or less than one percent. However, 1st grade was 51 students too low (or approximately 6 percent), which will have a significant impact on future projections.

**Downingtown Area School District
Actual vs. PDE Projected Enrollment**

Grade	2019-20 Actual	2019-20 EP	Difference	Percentage
K	730	743	-13	-1.78%
1	876	825	51	5.82%
2	951	945	6	0.63%
3	962	962	0	0.00%
4	973	977	-4	-0.41%
5	1,040	1,048	-8	-0.77%
6	1,050	1,028	22	2.10%
7	1,077	1,082	-5	-0.46%
8	1,156	1,152	4	0.35%
9	1,084	1,075	9	0.83%
10	1,053	1,060	-7	-0.66%
11	1,076	1,083	-7	-0.65%
12	1,064	1,058	6	0.56%
K - 12 Total	13,092	13,038	54	0.41%

Source: Downingtown Area School District, Pennsylvania Department of Education, Office of Data Quality

Downingtown Area School District

FREE & REDUCED MEAL ELIGIBILITY HISTORY & PROJECTIONS

The following table illustrates the number of students eligible for free and reduced priced meals from 2014-2019. The total number of eligible students has increased from 1,163 (9.64%) in 2014 to 1,469 (11.23%) in 2019. This increase is approximately 1.6 percent.

History of Free and Reduced Priced Meal Student Eligibility

School	10/1/2019			10/1/2018			10/1/2017			10/1/2016			10/1/2015			10/1/2014		
	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty
Beaver Creek Elementary	487	89	18.28%	447	77	17.23%	471	85	18.05%	449	79	17.59%	436	72	16.51%	420	69	16.43%
Bradford Heights Elementary	575	82	14.26%	594	91	15.32%	540	93	17.22%	514	80	15.56%	511	77	15.07%	513	68	13.26%
Brandywine Wallace Elementary	530	35	6.60%	532	36	6.77%	540	34	6.30%	520	17	3.27%	547	15	2.74%	477	14	2.94%
East Ward Elementary	538	113	21.00%	543	103	18.97%	539	114	21.15%	572	108	18.88%	566	118	20.85%	565	129	22.83%
Lionville Elementary	641	83	12.95%	649	87	13.41%	673	81	12.04%	662	83	12.54%	610	91	14.92%	599	88	14.69%
Pickering Valley Elementary	436	18	4.13%	456	15	3.29%	483	24	4.97%	506	19	3.75%	479	14	2.92%	491	17	3.46%
Shamona Creek Elementary	602	26	4.32%	603	23	3.81%	624	18	2.88%	611	19	3.11%	598	19	3.18%	576	16	2.78%
Springton Manor Elementary	598	51	8.53%	566	46	8.13%	499	31	6.21%	499	42	8.42%	426	39	9.15%	435	32	7.36%
Uwchlan Hills Elementary	485	37	7.63%	475	37	7.79%	482	31	6.43%	518	33	6.37%	498	32	6.43%	504	13	2.58%
West Bradford Elementary	629	49	7.79%	611	48	7.86%	588	42	7.14%	606	45	7.43%	594	50	8.42%	582	47	8.08%
Total Elementary	5,521	583	10.56%	5,476	563	10.28%	5,439	553	10.17%	5,457	525	9.62%	5,265	527	10.01%	5,162	493	9.55%
Marsh Creek Sixth Grade Center	1,044	125	11.97%	1,054	103	9.77%	1,095	112	10.23%	1,033	105	10.16%	985	110	11.17%	1,047	90	8.60%
Downingtown Middle School	1,126	131	11.63%	1,123	118	10.51%	1,099	124	11.28%	1,041	105	10.09%	976	93	9.53%	924	86	9.31%
Lionville Middle School	1,107	122	11.02%	1,071	112	10.46%	994	97	9.76%	1,061	110	10.37%	1,094	107	9.78%	1,066	90	8.44%
Total Middle Schools	3,277	378	11.53%	3,248	333	10.25%	3,188	333	10.45%	3,135	320	10.21%	3,055	310	10.15%	3,037	266	8.76%
Downingtown East High School	1,721	214	12.43%	1,749	204	11.66%	1,791	213	11.89%	1,791	223	12.45%	1,722	218	12.66%	1,676	203	12.11%
Downingtown West High School	1,736	260	14.98%	1,646	227	13.79%	1,563	207	13.24%	1,483	213	14.36%	1,460	208	14.25%	1,408	175	12.43%
STEM Academy	825	34	4.12%	819	26	3.17%	815	25	3.07%	791	25	3.16%	789	29	3.68%	787	26	3.30%
Total High Schools	4,282	508	11.86%	4,214	457	10.84%	4,169	445	10.67%	4,065	461	11.34%	3,971	455	11.46%	3,871	404	10.44%
Total All District Schools	13,080	1,469	11.23%	12,938	1,353	10.46%	12,796	1,331	10.40%	12,657	1,306	10.32%	12,291	1,292	10.51%	12,070	1,163	9.64%

Source: Downingtown Area School District

Downingtown Area School District

Assuming the same average rate of increase over the past six years, the projected number of students eligible for free and reduced meals is illustrated in the following table.

Free and Reduced Priced Meal Student Eligibility Projections

School	2020-21			2021-22			2022-23			2023-24			2024-25			2025-26		
	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty	School Enroll.	Total # Free & Reduced	% Poverty
Beaver Creek Elementary	497	91	18.33%	512	94	18.39%	520	96	18.44%	531	98	18.50%	556	103	18.55%	551	103	18.61%
Bradford Heights Elementary	604	86	14.30%	617	89	14.35%	646	93	14.39%	639	92	14.43%	635	92	14.47%	638	93	14.52%
Brandywine Wallace Elementary	520	36	6.85%	515	37	7.10%	493	36	7.35%	491	37	7.59%	485	38	7.84%	494	40	8.09%
East Ward Elementary	545	115	21.02%	551	116	21.04%	545	115	21.06%	555	117	21.08%	563	119	21.10%	553	117	21.12%
Lionville Elementary	633	84	13.20%	630	85	13.45%	614	84	13.70%	607	85	13.95%	607	86	14.20%	604	87	14.45%
Pickering Valley Elementary	419	18	4.24%	407	18	4.35%	394	18	4.46%	387	18	4.57%	372	17	4.68%	394	19	4.80%
Shamona Creek Elementary	621	27	4.43%	624	28	4.54%	629	29	4.64%	625	30	4.75%	638	31	4.86%	622	31	4.97%
Springton Manor Elementary	610	53	8.65%	625	55	8.78%	623	55	8.90%	609	55	9.03%	564	52	9.15%	553	51	9.28%
Uwchlan Hills Elementary	491	39	7.95%	497	41	8.28%	495	43	8.60%	494	44	8.93%	495	46	9.25%	497	48	9.58%
West Bradford Elementary	624	49	7.91%	620	50	8.03%	635	52	8.16%	627	52	8.28%	628	53	8.40%	618	53	8.52%
Total Elementary	5,564	589	10.59%	5,598	612	10.63%	5,594	621	10.66%	5,565	628	10.70%	5,543	637	10.73%	5,524	641	10.77%
Marsh Creek Sixth Grade Center	1,092	132	12.05%	1,055	128	12.12%	1,086	132	12.20%	1,134	139	12.27%	1,108	137	12.35%	1,150	143	12.42%
Downingtown Middle School	1,109	130	11.72%	1,173	139	11.82%	1,215	145	11.91%	1,201	144	12.00%	1,261	152	12.09%	1,298	158	12.18%
Lionville Middle School	1,074	119	11.09%	1,067	119	11.16%	1,033	116	11.23%	1,041	118	11.29%	1,060	120	11.36%	1,040	119	11.43%
Total Middle Schools	3,275	380	11.61%	3,295	386	11.68%	3,334	393	11.76%	3,376	401	11.83%	3,429	410	11.91%	3,488	420	11.98%
Downingtown East High School	1,758	219	12.45%	1,754	219	12.46%	1,785	223	12.47%	1,802	225	12.48%	1,746	218	12.49%	1,745	218	12.51%
Downingtown West High School	1,819	274	15.06%	1,862	282	15.15%	1,898	289	15.23%	1,950	299	15.32%	1,970	303	15.40%	2,014	312	15.49%
STEM Academy	836	35	4.19%	842	36	4.25%	855	37	4.32%	876	38	4.38%	866	39	4.45%	873	39	4.51%
Total High Schools	4,413	526	11.91%	4,458	536	11.96%	4,538	549	12.01%	4,628	562	12.06%	4,582	560	12.11%	4,632	570	12.16%
Total All District Schools	13,252	1,495	11.28%	13,351	1,534	11.33%	13,466	1,562	11.38%	13,569	1,591	11.43%	13,554	1,606	11.47%	13,644	1,630	11.52%

Source: Downingtown Area School District

Downingtown Area School District

CAPACITIES & REDISTRICTING OPTIONS

Elementary School Capacities

Based on current and projected enrollment, capacity at the elementary schools is stretched. Currently, Beaver Creek, Bradford Heights, Brandywine-Wallace, and West Bradford are all over capacity. East Ward and Lionville are just under 100 percent. In ten years, it is projected that capacity will be exceeded at 5 of the elementary schools and one will be at just under 100 percent.

	Building Capacity	2019-20 Enrollment	Difference Under or (Over) Capacity	Percent Capacity	2029-30 Projection	Difference Under or (Over) Capacity	Percent Capacity
K-5 Enrollment							
Beaver Creek Elementary School	449	493	(44)	109.8%	571	(122)	127.2%
Bradford Heights Elementary School	533	575	(42)	107.9%	660	(127)	123.8%
Brandywine-Wallace Elementary School	467	533	(66)	114.1%	513	(46)	109.9%
East Ward Elementary School	543	541	2	99.6%	573	(30)	105.5%
Lionville Elementary School	647	645	2	99.7%	626	21	96.8%
Pickering Valley Elementary School	621	444	177	71.5%	407	214	65.5%
Shamona Creek Elementary School	649	605	44	93.2%	644	5	99.2%
Springton Manor Elementary School	640	596	44	93.1%	570	70	89.1%
Uwchlan Hills Elementary School	576	493	83	85.6%	513	63	89.1%
West Bradford Elementary School	608	627	(19)	103.1%	639	(31)	105.1%
Total	5,733	5,552	181	96.8%	5,716	17	99.7%

The District has discussed opening a new 5-6 building and adding the 5th grade to the Marsh Creek, so it would also house grades 5 and 6. Moving the 5th grade out of the current elementary schools would alleviate the capacity issue now and for the next few years. In 10 years, however, the capacity will be exceeded at Beaver Creek and Bradford Heights based on the enrollment projections.

	Building Capacity	2019-20 Enrollment	Difference Under or (Over) Capacity	Percent Capacity	2029-30 Projection	Difference Under or (Over) Capacity	Percent Capacity
K-4 Enrollment							
Beaver Creek Elementary School	449	393	56	87.5%	461	(12)	102.7%
Bradford Heights Elementary School	533	482	51	90.4%	538	(5)	100.9%
Brandywine-Wallace Elementary School	467	426	41	91.2%	419	48	89.7%
East Ward Elementary School	543	447	96	82.3%	472	71	86.9%
Lionville Elementary School	647	526	121	81.3%	519	128	80.2%
Pickering Valley Elementary School	621	344	277	55.4%	327	294	52.7%
Shamona Creek Elementary School	649	500	149	77.0%	527	122	81.2%
Springton Manor Elementary School	640	487	153	76.1%	456	184	71.3%
Uwchlan Hills Elementary School	576	407	169	70.7%	421	155	73.1%
West Bradford Elementary School	608	499	109	82.1%	517	91	85.0%
Total	5,733	4,511	1,222	78.7%	4,657	1,076	81.2%

While some schools struggle with capacity, others have some excess. In particular, Pickering Valley would operate at 55% capacity when housing only grades K-4.

Downingtown Area School District

Secondary School Capacities

Based on current and projected enrollment, capacity at the middle schools is in good shape. Currently, capacity ranges between approximately 81 and 84 percent. In ten years, it is projected that capacity will be between approximately 73 and 88 percent.

Middle Schools	Building Capacity	2019-20 Enrollment	Difference Under or (Over) Capacity	Percent Capacity	2029-30 Projection	Difference Under or (Over) Capacity	Percent Capacity
Marsh Creek Sixth Grade Center	1,250	1,050	200	84.0%	1,101	149	88.1%
Downingtown Middle School	1,367	1,125	242	82.3%	1,194	173	87.3%
Lionville Middle School	1,367	1,108	259	81.1%	1,002	365	73.3%
Total	2,734	2,233	501	81.7%	2,196	538	80.3%

Based on current and projected enrollment, capacity at the high schools is stretched. Currently, Downingtown High School East is 19 students over capacity. In ten years, it is projected that capacity will be over at Downingtown High School West and at capacity for the STEM Academy. Please note the capacity of STEM Academy includes the new addition to open September 2020.

High Schools	Building Capacity	2019-20 Enrollment	Difference Under or (Over) Capacity	Percent Capacity	2029-30 Projection	Difference Under or (Over) Capacity	Percent Capacity
Downingtown High School East	1,703	1,722	(19)	101.1%	1,629	74	95.7%
Downingtown High School West	1,775	1,732	43	97.6%	2,092	(317)	117.9%
STEM Academy*	1,092	823	269	75.4%	1,092	0	100.0%
Total	4,570	4,277	293	93.6%	4,831	(261)	105.7%

* STEM Academy capacity includes the recent addition