Park Hill School District

Building Successful Futures • Each Student • Every Day

DEMOGRAPHIC PROFILE

& ENROLLMENT PROJECTIONS

2021-2022

Prepared by the Business Services Department
of the Park Hill School District &
Business Information Services, LLC
Spring, 2022

Park Hill School District

Building Successful Futures • Each Student • Every Day

2021-2022 Demographic Profile & Enrollment Projections of the Park Hill School District

April 2022

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Prepared by the
Business Services Department of the Park Hill School District &
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District Information - Data and Reports - Demographic Profile

Park Hill School District

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EXECUTIVE SUMMARY

The *Demographic Profile & Enrollment Projections of the Park Hill School District* is produced annually to assist school district leaders and planners in annual budgeting, review of district attendance boundaries, and long-range facility planning efforts.

The following reflects some of the significant data points found within the 2020-2021 Demographic Profile:

- Park Hill's K-12 student enrollment for 2021-2022 is 11,695. This is a 0.03% increase from the prior year.
- The district's 2021-2022 budgeted was prepared with a forecasted K-12 enrollment of 11,854, which is 159 more than the actual student enrollment. Almost half of this difference (72 students) is within the kindergarten cohort, which was budgeted for 894 students, with an actual enrollment of 822.
- The estimated population of the communities that make up Park Hill School District is 73,569 with the populations within the municipality of the city of Kansas City and the unincorporated portions of Platte County making up over 80% of the population.
- Based on 2021-2022 K-12 enrollment, Park Hill School District is the 16th largest school district in Missouri. Since 2017-2018, the Park Hill School District has moved from 18th largest to 16th largest school district in Missouri, surpassing the St. Joseph and Fox C-6 school districts in total student enrollment.
- Of twelve suburban Kansas City, Missouri school districts . . .
    - Liberty (+1,880), North Kansas City (+1,725), and Park Hill School District (+1,494) have grown by the highest number of students over the last 10 years.
    - Park Hill ranks second in estimated median home value ($302,401).
    - Park Hill has the third lowest total tax levy ($5.3955).
    - Park Hill ranks first in estimated college graduates or professional degrees within the district population (54.0%).
- Three of thirteen grade levels in 2021-2022 are at their highest enrollment ever (7, 8, and 9 and 12). Total aggregate enrollment in middle school grades (6-8) and high school grades (9-12) are at historical highs.
- 2021-2022 elementary school program enrollments range from 356 (Line Creek) to 625 (Union Chapel). Middle school enrollments range from 676 (Lakeview) to 734 (Walden). The enrollment difference between Park Hill High School (1,535) and Park Hill South (1,556) is 21 students.
- The ethnic diversity of student enrollment continues to increase with diverse populations currently making up 34.9% of the total student enrollment (an all-time high).
- The percentage of students qualifying for free and reduced lunch through the National School Lunch Program decreased significantly from 27.1% in 2019-2020 to 17.0% in 2020-2021. This significant decrease in free and reduced lunch qualification is consistent with a local and national trend for the 2021-2022 school year. The decrease is attributed to the federal CARES Act which funds free school lunch for all students for the 2021-2022 school year (due to COVID). Because all students eat lunch for free, there is less need for families to complete the documentation to qualify for the program. This value is expected to increase in future years.
- The mobility of students decreased slightly from the prior year. Currently, 9.9% of students have been in the school district less than one year, and 15.5% less than two years. This statistic excludes kindergarteners and first graders.
- The district is budgeting for an expected K-12 enrollment of 11,782 for 2022-2023. This reflects an enrollment growth of 0.75%.

INTRODUCTION

ABOUT THE 2021-2022 DEMOGRAPHIC PROFILE & ENROLLMENT PROJECTIONS

The purpose of the *2021-2022 Demographic Profile & Enrollment Projections* of the Park Hill School District is to provide Park Hill School District patrons, business leaders, civic organizations and other interested persons detailed demographic and socioeconomic information about the Park Hill School District and Park Hill community. The demographic profile includes historical information, current trends, and future enrollment projections that assist district leaders in annual budgeting, review of district attendance boundaries, and long-range planning efforts.

Enrollment data presented in this report was compiled from Park Hill School District core data and through historical figures maintained by the Missouri Department of Elementary and Secondary Education. Data used in this report comes from multiple sources, including:

- 2010 decennial United States Census compiled by the United States Census Bureau
- Missouri Department of Health and Senior Services
- Missouri Spatial Data Information Service
- STI: POPSTATS projections from Synergos Technologies, Inc.

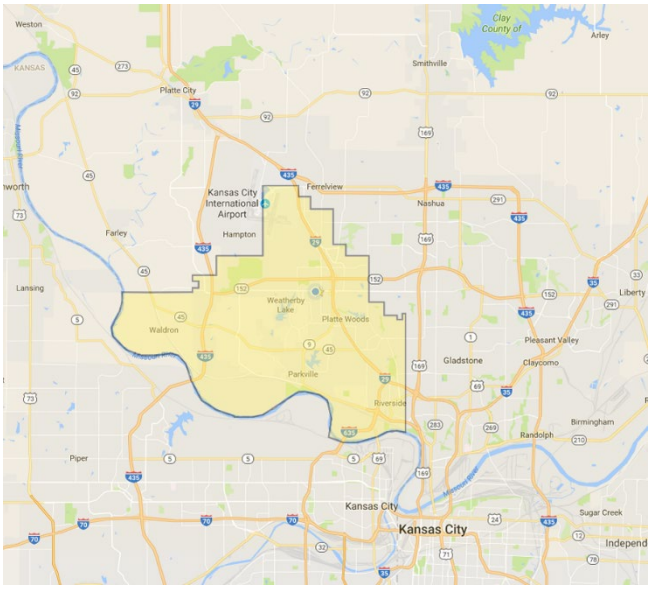
This report is divided into four major parts: (1) Introduction (2) Student Enrollment, (3) Supporting Demographic Data, and (4) Future Enrollment Projections.

ABOUT THE PARK HILL SCHOOL DISTRICT

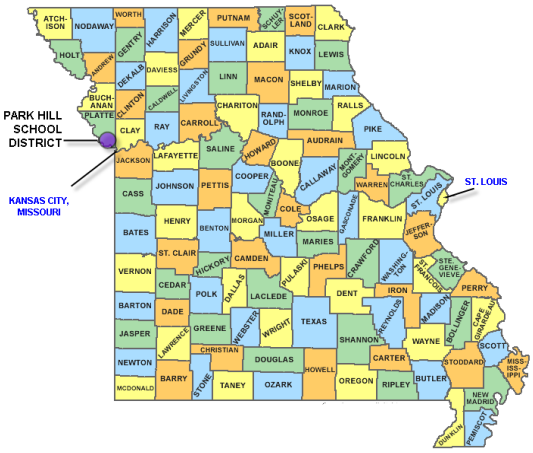
Park Hill School District (PHSD) is a public school district, with pre-kindergarten (pre-K) programs through grade 12. The district includes eleven K-5 elementary schools, four 6-8 middle schools, two 9-12 high schools, a day treatment school (Russell Jones Education Center), and an Early Childhood Education Center (Gerner Family Early Education Center). Other support facilities include a district Aquatic Center, Support & Transportation Services, and the District Office. As a part of the district's long-range facility planning to support enrollment growth, the district opened the LEAD Innovation Studio in a new facility in fall 2020. This 9-12 high school program serves students from the existing two high schools. PHSD's Gerner Family Early Education Center (GFEEC) provides fee-based educational services for pre-K students (ages 3-5), early childhood special education (ECSE) students, and English Language Learners (ELL), Head Start, and supports Parents as Teachers (PAT).

PHSD also offers an array of community services including Adventure Club (Day Care), Community Education and a district natatorium (Aquatic Center).

DISTRICT GEOGRAPHY



The Park Hill School District, formally organized in 1951 under the provisions of Missouri's School Reorganization Statute of 1948, encompasses 73 square miles located in the southern third of Platte County, located just north of downtown Kansas City, Missouri. The Missouri River forms the southern and western boundaries of the district and also delineates the state line between Missouri and Kansas. The northern boundary meanders in stair-step fashion from Northwest 76th Street and the Clay County line to Northwest 120th Street, the northern most point of the district. The northern boundary divides the Kansas City International Airport, with one of the airport terminals lying within district boundaries, and the remaining terminal lying within the Platte County R-3 School District, the neighboring district to the north.



DISTRICT MUNICIPALITIES

Predominantly rural-oriented in the past, the district has steadily changed to a more suburban type district, blending both residential and commercial growth. Approximately 43% of the school district lies within the city limits of Kansas City, Missouri. There are seven other incorporated communities: Parkville, Lake Waukomis, Houston Lake, Northmoor, Riverside, Platte Woods, Weatherby Lake, and the unincorporated communities of Waldron and Platte County. The 2000 and 2010 U.S. Census counts for each of these communities is listed in the table below. In addition, estimates of the 2021 population, and projections for the 2031 population are provided.

Community	2000 Population	2010 Population	Estimated 2021 Population	% Growth 2000-2021	Projected 2031 Population	% Estimated Growth 2021-2031
Kansas City (within Park Hill District only)	33,270	37,100	48,262	45.1%	60,087	24.5%
Houston Lake	284	235	170	-40.1%	206	21.2%
Lake Waukomis	918	870	836	-8.9%	1,054	26.1%
Northmoor	399	325	245	-38.6%	295	20.4%
Parkville	4,189	5,554	6,952	66.0%	8,227	18.3%
Platte Woods	474	385	922	94.5%	1,111	20.5%
Riverside	2,979	2,937	3,832	28.6%	4,669	21.8%
Weatherby Lake	1,873	1,723	1,818	-2.9%	2,192	20.6%
Unincorporated Platte County (estimated)	9,899	13,132	11,994	21.2%	14,444	20.4%
Park Hill School District Total	**54,285**	**62,261**	**73,569**	**35.52%**	**92,285**	**25.4%**

Estimated 2021 population analysis shows a 45.1% population growth in the Park Hill School District since 2000. This is strong, and nearly twice the national population growth rate during the last decade. Nearly 82% of the school district's population resides in the city of Kansas City and the unincorporated portion of the school district.

Homes that are presently being built range from $175,000 to more than $1,000,000, with the median home value of **$302,401**.

DISTRICT MAPS

The following pages include the following maps of the Park Hill School District:

Map of Area School Districts. This map shows school districts that surround the Park Hill School District on both sides of the state line and the interstates.

Map of Park Hill School District Municipalities. This map shows the geography of the eight municipalities included within the Park Hill School District: Houston Lake, Kansas City, Lake Waukomis, Northmoor, Parkville, Platte Woods, Riverside and Weatherby Lake. Unincorporated sections of Waldron and Platte County within the district boundaries are also included.

Aerial Overview Map of Park Hill School District. This map shows the aerial geography of the municipalities included within the Park Hill School District. Unincorporated sections of Waldron and

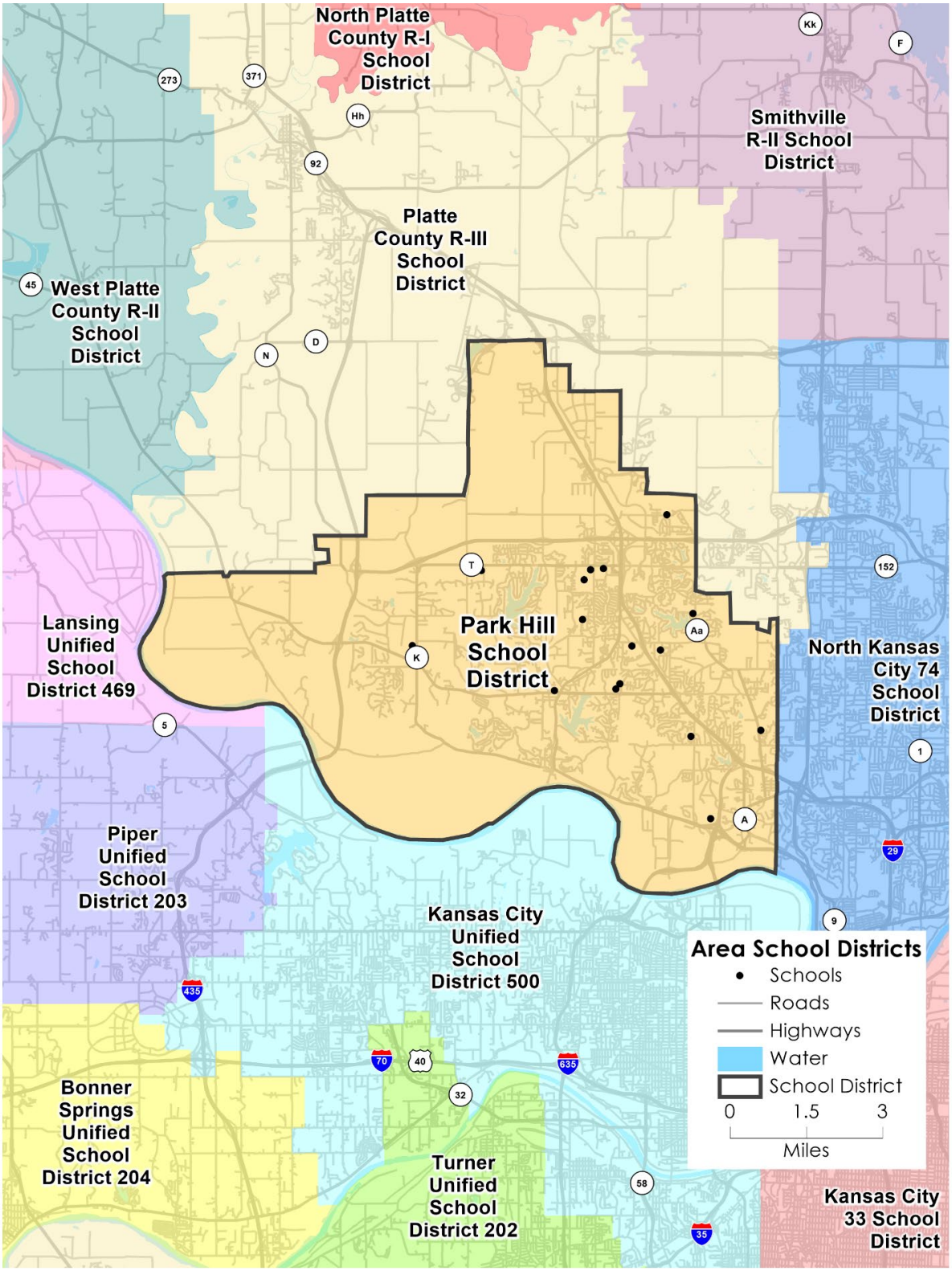
Platte County within the district boundaries is also included.

Zip Codes Within Park Hill School District Boundaries. This map overlays the United States Postal Service Zip Codes within the Park Hill School District.

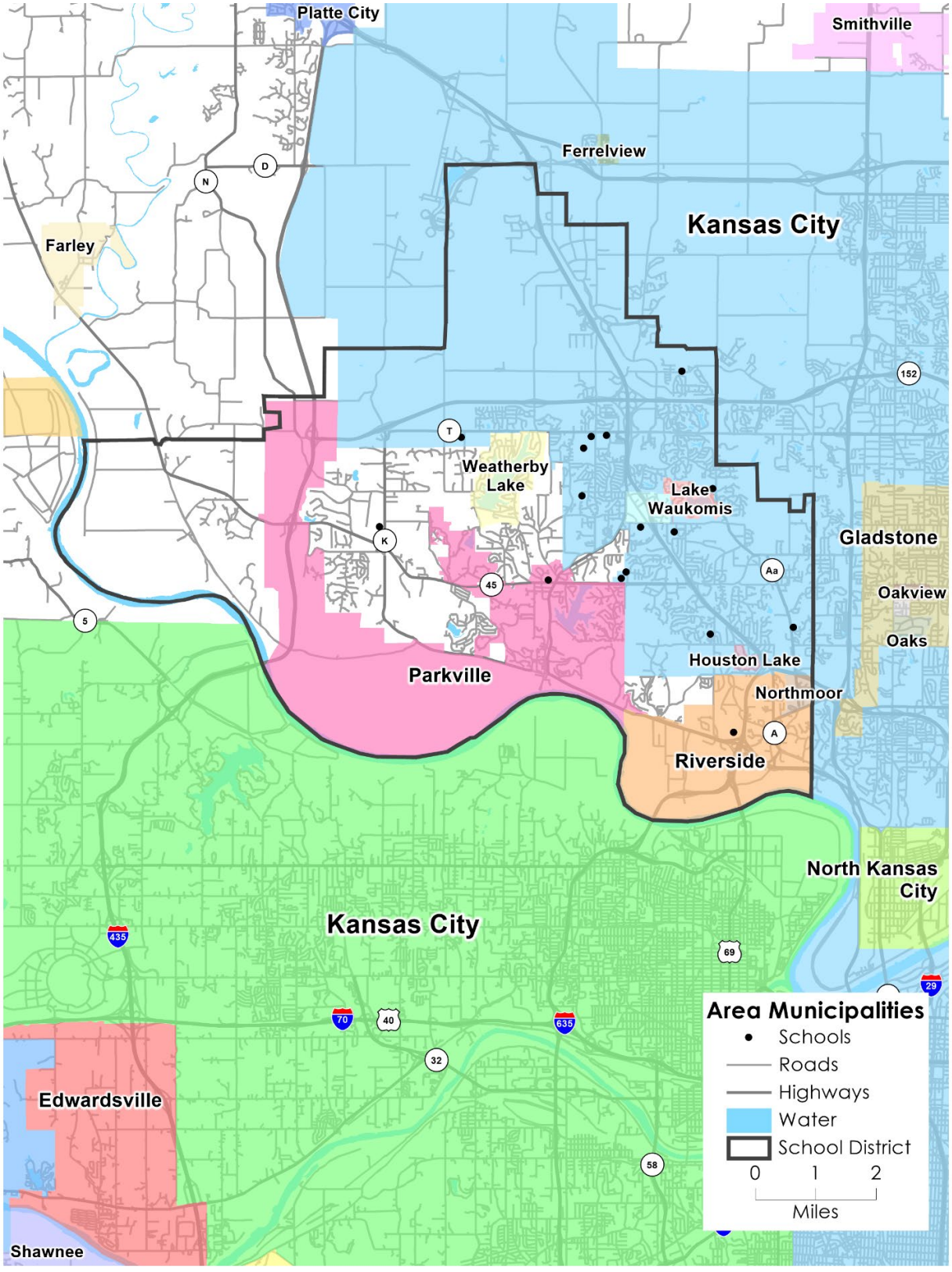
Map of Park Hill School District Boundaries. This map shows the Park Hill School District school boundaries as of July 2019 when the boundaries were last changed.

Map of Missouri School Districts by County Boundaries. This map shows Missouri school districts by county.

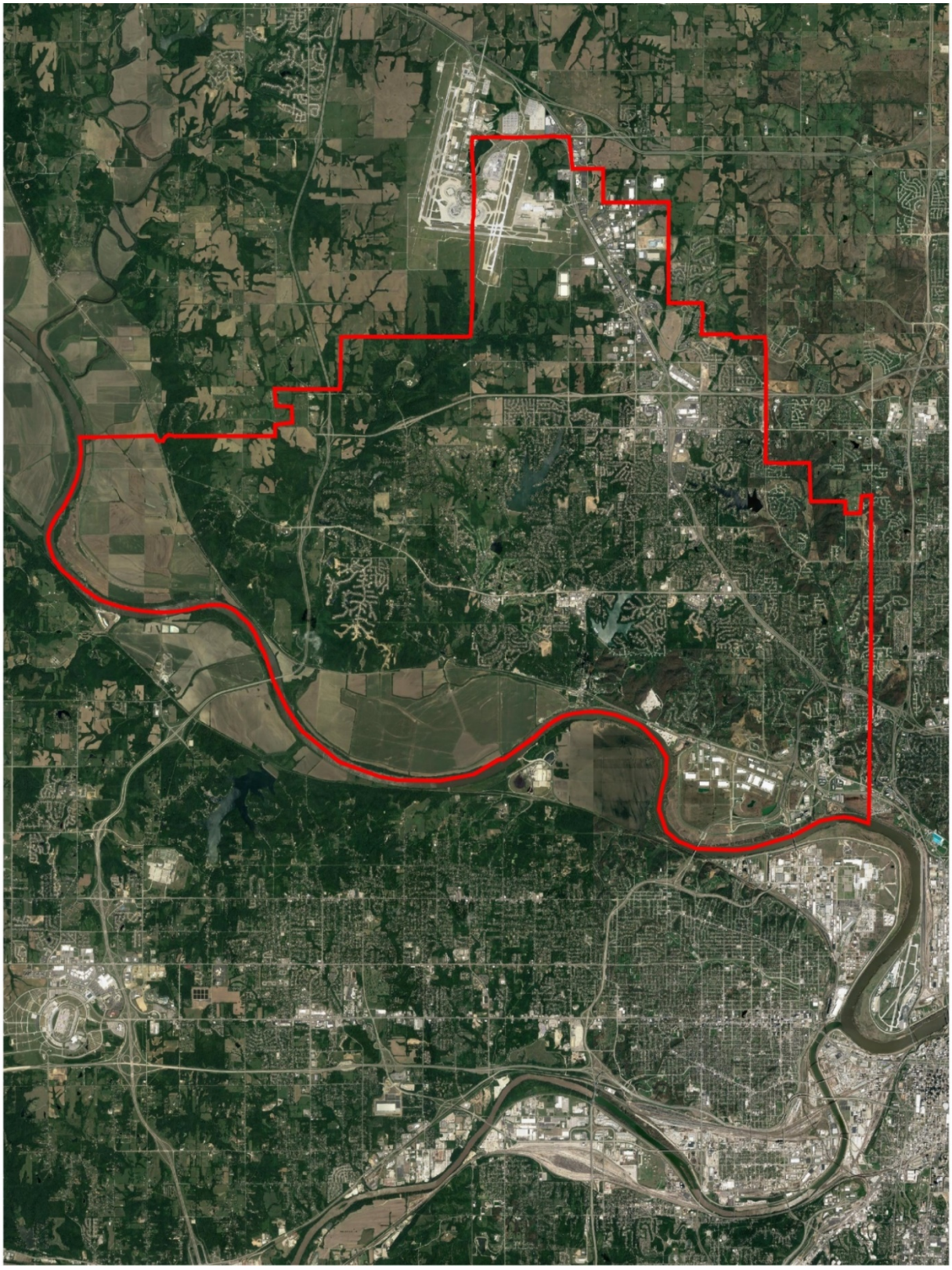
MAP OF AREA SCHOOL DISTRICTS



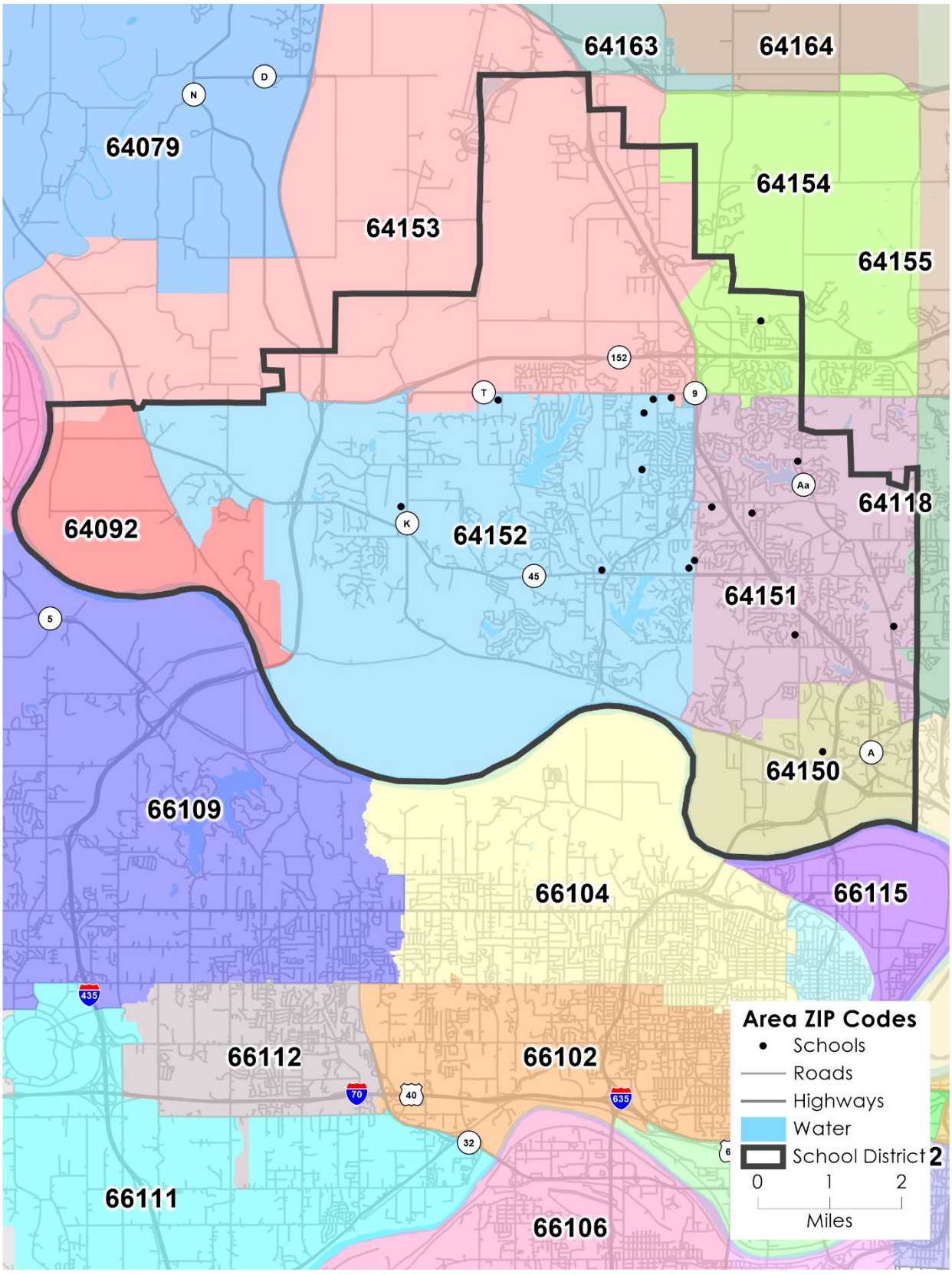
MAP OF PARK HILL SCHOOL DISTRICT MUNICIPALITIES



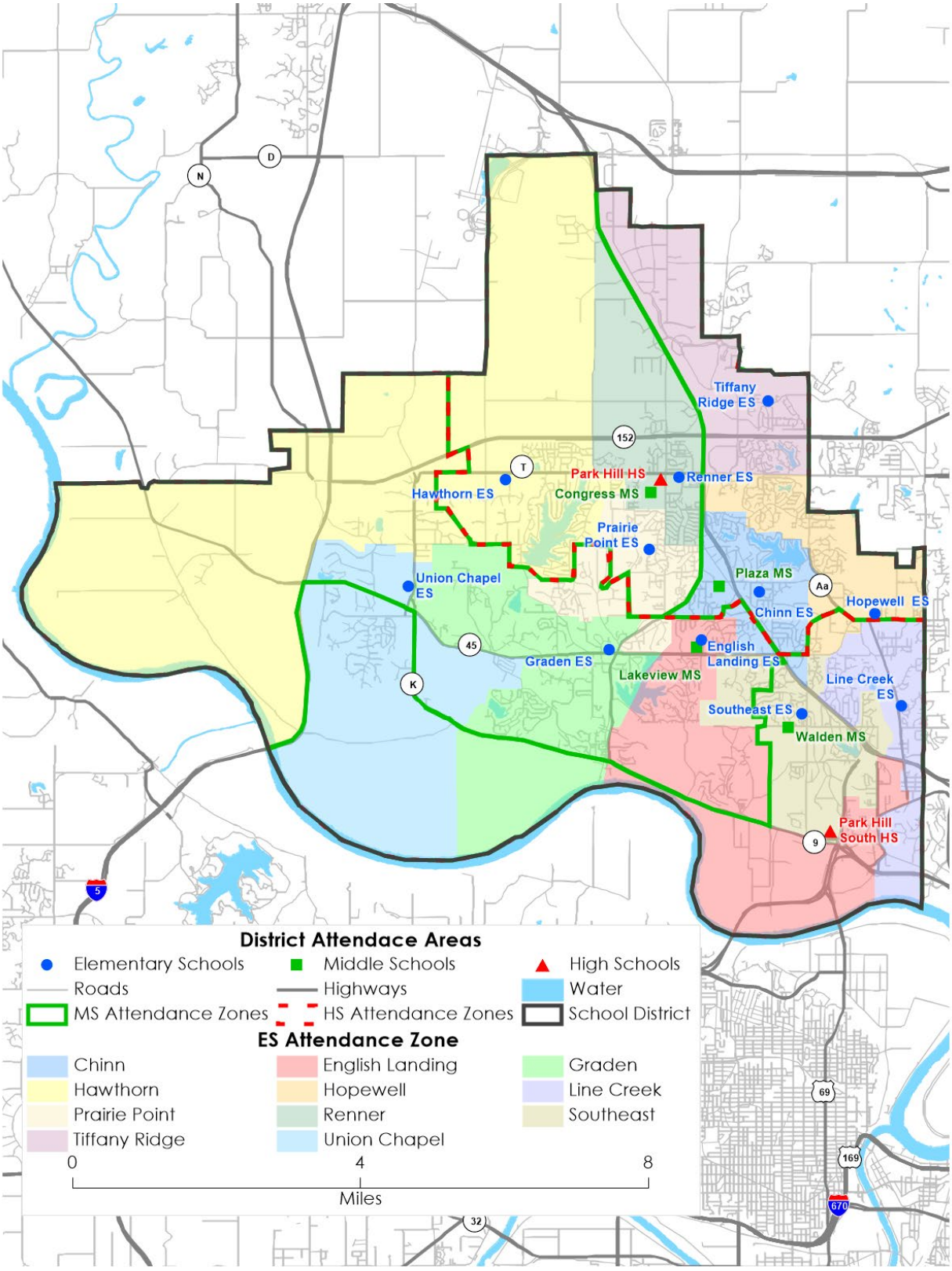
AERIAL OVERVIEW MAP OF PARK HILL SCHOOL DISTRICT



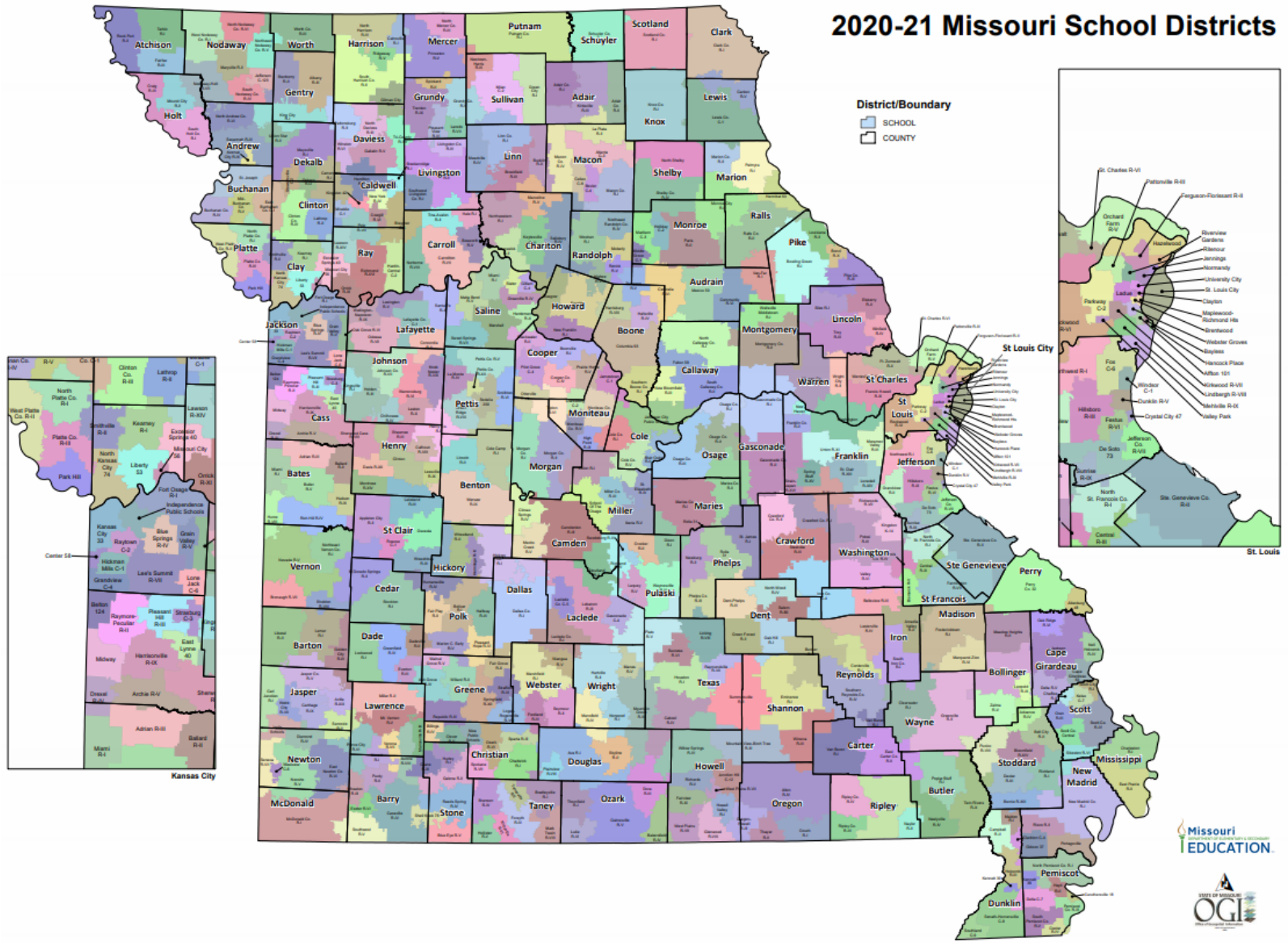
ZIP CODES WITHIN PARK HILL SCHOOL DISTRICT BOUNDARIES



MAP OF PARK HILL SCHOOL DISTRICT BOUNDARIES



MAP OF MISSOURI SCHOOL DISTRICTS BY COUNTY BOUNDARIES



2020-2021 STATISTICS OF MISSOURI PUBLIC SCHOOLS

The data on the following page is published annually by the Missouri Department of Elementary and Secondary Education (DESE) at the conclusion of each school year. Data for 2021-2022 will not be made available until fall 2022. This information is found at https://apps.dese.mo.gov/MCDS/home.aspx under "Missouri School Statistics".

Missouri
DEPARTMENT OF ELEMENTARY & SECONDARY
EDUCATION

Missouri School Directory

2020-2021 STATISTICS OF MISSOURI PUBLIC SCHOOLS

Administrative and Supervisory Personnel

Superintendent	515
Assistant Superintendent	306
Administrative Assistant	116
Instructional Assistant	30
Career Education Administrator	68
Special Education Administrator	267
Federal Programs Coordinator	115
Total (duplicated count)	**1,417**
High School Principal	560
Assistant High School Principal	632
Junior High School Principal	43
Assistant Junior High School Principal	43
Middle School Principal	376
Assistant Middle School Principal	363
Elementary School Principal	1255
Assistant Elementary School Principal	493
Director of Elementary Education	14
Director of Secondary Education	12
Total (duplicated count)	**3,791**
High School Supervisor	103
Junior High School Supervisor	5
Middle School Supervisor	20
Elementary School Supervisor	31
Career Eduction Supervisor	5
General Supervisor	285
Other Supervisor/Coordinator	1,733
Total (duplicated count)	**2,182**
High School Librarian	434
Junior High School Librarian	37
Middle School Librarian	284
Elementary School Librarian	881
Instructional Media Technologist	8
Library Supervisor	16
Instructional Technology Director	119
Total (duplicated count)	**1,779**
High School Guidance	1,064
Junior High School Guidance	67
Middle School Guidance	540
Elementary School Guidance	1,273
Guidance Supervisor	23
Vocational Special Needs Guidance	2
Vocational Placement Coordinator	27
School Psychological Examiner	230
School Psychologist	295
School Social Worker	533
Other Pupil Personnel	619
Total (duplicated count)	**4,673**
School Nurse	1,724
Diagnostic Speech/Language	425
Audiologist	13
Educational Diagnostician	237
Occupational Therapist	586
Physical Therapist	236
Orientation and Mobility Specialist	19
School/Home Coordinator	274
Vocational Adjustment/Work Experience Coordinator	6
Total (duplicated count)	**3,520**

Total Administrative and Supervisory Personnel (duplicated count) **17,362**

Classroom Teachers

High School	20,929
Junior High School	1,935
Middle School	10,674
Elementary School	33,068
Early Childhood Education	1,640
Other	2,385
Total Classroom Teachers	**70,631**
Total Certificated Staff	**89,726**

Number of School Districts
(Actual as of July 1, 2021)

Elementary Districts	70
Districts Maintaining High Schools	448
Total Number of School Districts	**518**
Charter LEA's	37
State Board Operated Programs	3
Missouri Course Access and Virtual Schools	1

Number of School Buildings
(Actual as of July 1, 2021)

High Schools	569
Junior High Schools	49
Middle Schools	296
Elementary Schools	1,219
Others	145
Charter High Schools	18
Charter Middle Schools	17
Charter Elementary Schools	44
State Board Operated Programs	34
Missouri Course Access and Virtual Schools	2

Fall Enrollment
(2020-21)

Elementary Schools (Grades K-8)	589,836
Secondary Schools (Grades 9-12)	269,496
Total	**859,332**

DEMOGRAPHIC COMPARISONS – STATE OF MISSOURI PUBLIC SCHOOLS

According to the Missouri Department of Elementary and Secondary Education (DESE) preliminary data collection for the 2021-2022 school year, the state of Missouri educates 897,651 preK-12th grade students within 559 school districts and charter schools. The Park Hill School District currently ranks as the 16th largest school district in the state with a 2021-2022 preliminary official K-12 enrollment of 11,696 (preliminary value reported to the state), and a pre-K to 12 enrollment of 12,025.

Park Hill School District was also the 16th largest Missouri public school district in the prior year (2020-2021).

TWENTY-FIVE LARGEST SCHOOL DISTRICTS IN MISSOURI (ENROLLMENT)

Rank	School District	2021-2022 K-12 Enrollment	2021-2022 Pre-K-12 Enrollment
1	039141 - SPRINGFIELD R-XII	23,436	24,357
2	024093 - NORTH KANSAS CITY 74	20,429	21,202
3	096091 - ROCKWOOD R-VI	20,310	20,944
4	010093 - COLUMBIA 93	18,010	18,527
5	048071 - LEE'S SUMMIT R-VII	17,547	17,847
6	092089 - WENTZVILLE R-IV	17,389	17,783
7	115115 - ST. LOUIS CITY	17,256	18,840
8	092087 - FT. ZUMWALT R-II	17,070	17,304
9	096095 - PARKWAY C-2	17,023	17,023
10	092088 - FRANCIS HOWELL R-III	16,499	17,189
11	096088 - HAZELWOOD	16,160	16,588
12	048068 - BLUE SPRINGS R-IV	14,623	14,802
13	048077 - INDEPENDENCE 30	13,786	14,613
14	048078 - KANSAS CITY 33	13,219	14,049
15	024090 - LIBERTY 53	12,445	12,658
16	083005 - PARK HILL	11,696	12,025
17	050012 - FOX C-6	10,794	10,920
18	011082 - ST. JOSEPH	10,300	10,544
19	096094 - MEHLVILLE R-IX	9,920	10,191
20	096089 - FERGUSON-FLORISSANT R-II	9,115	9,469
21	026006 - JEFFERSON CITY	8,514	8,725
22	048073 - RAYTOWN C-2	7,782	8,067
23	049148 - JOPLIN SCHOOLS	7,573	7,838
24	096093 - LINDBERGH SCHOOLS	7,138	7,432
25	057003 - TROY R-III	6,662	6,922

LARGEST SCHOOL DISTRICTS IN MISSOURI (GEOGRAPHIC)

At 73.2 square miles, Park Hill School District ranks as the 374th largest school district geographically. The largest school district geographically in Missouri is Putnam County R-1 (507 square miles); a rural school district located near the Missouri-Iowa border in North Central Missouri.

GEOGRAPHIC AREA (SQUARE MILES)

Rank	District	Area (Sq Miles)
1	086100 - PUTNAM CO. R-I	507.0
2	052096 - KNOX CO. R-I	499.0
3	075087 - ALTON R-IV	493.1
4	023101 - CLARK CO. R-I	492.0
5	111086 - GREENVILLE R-II	482.0
6	072074 - NEW MADRID CO. R-I	469.8
7	099082 - SCOTLAND CO. R-I	435.0
8	060077 - MCDONALD CO. R-I	428.5
9	079077 - PERRY CO. 32	413.8
10	056017 - LEWIS CO. C-1	412.3
11	030093 - DALLAS CO. R-I	378.7
12	082100 - BOWLING GREEN R-I	374.8
13	037039 - GASCONADE CO. R-I	370.6
14	008107 - WARSAW R-IX	362.0
15	108142 - NEVADA R-V	359.2
16	034124 - AVA R-I	358.0
17	037037 - GASCONADE CO. R-II	356.8
18	107153 - SUMMERSVILLE R-II	355.9
19	041002 - SOUTH HARRISON CO. R-II	350.1
20	095059 - STE. GENEVIEVE CO. R-II	347.9
21	062072 - FREDERICKTOWN R-I	345.3
22	077102 - GAINESVILLE R-V	340.6
23	101107 - EMINENCE R-I	338.5
24	090076 - SOUTHERN REYNOLDS CO. R-II	335.0
25	015002 - CAMDENTON R-III	334.1
. . .		
374	083005 - PARK HILL	73.2

STUDENT DENSITY (STUDENTS PER SQUARE MILES)

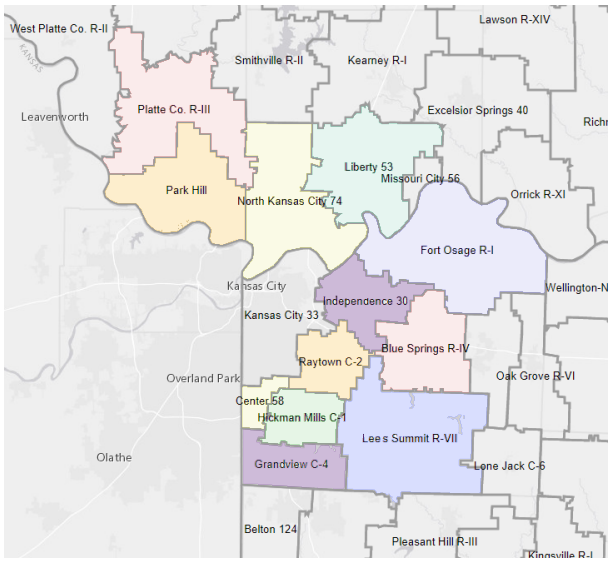
Park Hill School District ranks 33rd in student density (159.8 preK-12 students per square mile). Clayton School District, in central St. Louis, ranks the highest in student density (751.2 preK-12 students per square mile).

Rank	District	Students Per Sq mile
1	096102 - CLAYTON	751.2
2	096104 - JENNINGS	651.3
3	096099 - BAYLESS	647.6
4	096110 - RITENOUR	592.9
5	096103 - HANCOCK PLACE	584.1
6	096111 - RIVERVIEW GARDENS	546.7
7	096114 - WEBSTER GROVES	522.3
8	096107 - MAPLEWOOD-RICHMOND . . .	509.8
9	096098 - AFFTON 101	412.7
10	096112 - UNIVERSITY CITY	384.8
11	096092 - KIRKWOOD R-VII	380.8
12	096089 - FERGUSON-FLORISSANT R-II	360.1
13	096101 - BRENTWOOD	355.9
14	048077 - INDEPENDENCE 30	322.9
15	096093 - LINDBERGH SCHOOLS	292.9
16	096109 - NORMANDY SCHOOLS. . .	262.2
17	115115 - ST. LOUIS CITY	261.2
18	048068 - BLUE SPRINGS R-IV	258.4
19	092090 - ST. CHARLES R-VI	252.2
20	096095 - PARKWAY C-2	242.7
21	048073 - RAYTOWN C-2	242.1
22	096094 - MEHLVILLE R-IX	236.9
23	096090 - PATTONVILLE R-III	234.3
24	024093 - NORTH KANSAS CITY 74	233.8
25	096106 - LADUE	227.5
. . .		
33	083005 - PARK HILL	159.8

The Park Hill School District utilizes eleven other suburban Kansas City, Missouri school districts to benchmark statistics throughout the organization, including Academic Services (i.e., student achievement scores), Human Resources (i.e., employee compensation), and Business Services (i.e., tax rates). The following tables compare Park Hill to these benchmark districts in various demographic categories. This data is collected by the Missouri Department of Elementary and Secondary Education and the U.S. Census Bureau.

The benchmark school districts are:

024090 - LIBERTY 53
024093 - NORTH KANSAS CITY
048066 - FORT OSAGE R-I
048068 - BLUE SPRINGS R-IV
048071 - LEE'S SUMMIT R-VII
048072 - HICKMAN MILLS C-1
048073 - RAYTOWN C-2
048074 - GRANDVIEW C-4
048077 - INDEPENDENCE 30
048080 - CENTER 58
083003 - PLATTE CO. R-III
083005 - PARK HILL



BENCHMARK DEMOGRAPHIC DATA – 2020-2021 PRELIMINARY K-12 ENROLLMENT

District	Area (Sq Miles)	2021-2022 K-12 Enrollment (preliminary DESE values)
024090 - LIBERTY 53	82.6	12,445
024093 - NORTH KANSAS CITY	87.4	20,429
048066 - FORT OSAGE R-I	118.4	4,697
048068 - BLUE SPRINGS R-IV	56.6	14,623
048071 - LEE'S SUMMIT R-VII	116.4	17,547
048072 - HICKMAN MILLS C-1	30.4	4,844
048073 - RAYTOWN C-2	32.1	7,782
048074 - GRANDVIEW C-4	38.2	3,648
048077 - INDEPENDENCE 30	42.7	13,786
048080 - CENTER 58	11.6	2,410
083003 - PLATTE CO. R-III	99.4	4,214
083005 - PARK HILL	73.2	11,696

BENCHMARK DEMOGRAPHIC DATA – K-12 ENROLLMENT

The following data is compiled from Missouri's Department of Elementary and Secondary Education (DESE) reported by school districts for the 2020-2021 school year. Final 2021-2022 data for all Missouri school districts will become available from DESE in October 2022.

District	2020-2021 K-12 Enrollment	% Asian	% Black	% Hispanic	% Indian	% Multi Racial	% Pacific Islander	% Non-White	% White	% Free / Reduced Lunch	% ELL LEP	% IEP
024090 - LIBERTY 53	12,563	2.6%	5.3%	8.0%	0.2%	5.6%	0.2%	21.9%	78.1%	16.0%	1.5%	10.4%
024093 - NORTH KANSAS CITY	20,255	3.4%	14.8%	14.8%	0.3%	10.8%	1.3%	45.2%	54.8%	38.8%	6.4%	11.4%
048066 - FORT OSAGE R-I	4,748	0.8%	9.6%	11.1%	0.7%	3.8%	2.1%	28.2%	71.8%	48.7%	1.4%	12.4%
048068 - BLUE SPRINGS R-IV	14,537	2.2%	11.6%	8.0%	0.5%	7.1%	0.3%	29.7%	70.3%	29.6%	0.6%	11.6%
048071 - LEE'S SUMMIT R-VII	17,503	2.4%	12.5%	2.8%	0.2%	7.5%	0.2%	25.6%	74.4%	20.5%	1.3%	9.3%
048072 - HICKMAN MILLS C-1	4,796	2.2%	66.6%	14.2%	0.4%	6.6%	0.3%	90.3%	9.7%	100.0%	8.0%	14.2%
048073 - RAYTOWN C-2	7,829	1.0%	50.3%	14.0%	0.5%	9.1%	0.5%	75.5%	24.5%	66.7%	4.8%	15.8%
048074 - GRANDVIEW C-4	3,636	0.7%	50.4%	24.2%	0.4%	5.5%	0.2%	81.3%	18.7%	59.0%	9.9%	13.2%
048077 - INDEPENDENCE 30	13,765	0.8%	13.9%	21.7%	0.5%	10.6%	0.9%	48.3%	51.7%	64.8%	7.5%	11.0%
048080 - CENTER 58	2,415	1.1%	61.0%	10.1%	0.0%	9.4%	0.0%	81.6%	18.3%	62.4%	5.0%	14.3%
083003 - PLATTE CO. R-III	4,205	2.0%	8.5%	7.9%	0.1%	6.2%	0.7%	25.4%	74.6%	22.4%	1.1%	9.1%
083005 - PARK HILL	11,692	3.2%	12.6%	10.5%	0.5%	6.0%	1.2%	33.9%	66.1%	20.5%	4.8%	10.5%

Key: Maximum Values in Column | Minimum Values in Column

BENCHMARK DEMOGRAPHIC DATA – K-12 ENROLLMENT & ENROLLMENT GROWTH

District	1996	2001	2006	2011	2016	2021	25 Year Growth	20 Year Growth	15 Year Growth	10 Year Growth	5 Year Growth	5 Year Growth %	10 Year Growth %
024090 - LIBERTY 53	5,300	6,793	8,463	10,683	12,009	12,563	+7,263	+5,770	+4,100	+1,880	+554	+4.6%	+17.6%
024093 - NORTH KANSAS CITY	16,569	16,768	17,369	18,530	19,380	20,255	+3,686	+3,487	+2,886	+1,725	+875	+4.5%	+9.3%
048066 - FORT OSAGE R-I	4,902	4,846	4,877	4,742	4,969	4,748	-154	-98	-129	+6	-221	-4.4%	+0.1%
048068 - BLUE SPRINGS R-IV	12,198	12,564	13,339	13,904	14,101	14,537	+2,339	+1,973	+1,198	+633	+436	+3.1%	+4.6%
048071 - LEE'S SUMMIT R-VII	11,726	14,185	16,458	17,524	17,739	17,503	+5,777	+3,318	+1,045	-21	-236	-1.3%	-0.1%
048072 - HICKMAN MILLS C-1	7,122	7,351	6,920	6,131	5,807	4,796	-2,326	-2,555	-2,124	-1,335	-1,011	-17.4%	-21.8%
048073 - RAYTOWN C-2	8,254	8,393	8,765	8,537	8,979	7,829	-425	-564	-936	-708	-1,150	-12.8%	-8.3%
048074 - GRANDVIEW C-4	4,294	4,228	4,120	3,737	4,257	3,636	-658	-592	-484	-101	-621	-14.6%	-2.7%
048077 - INDEPENDENCE 30	11,446	11,179	10,935	13,671	14,244	13,765	+2,319	+2,586	+2,830	+94	-479	-3.4%	+0.7%
048080 - CENTER 58	2,756	2,649	2,424	2,282	2,489	2,415	-341	-234	-9	+133	-74	-3.0%	+5.8%
083003 - PLATTE CO. R-III	1,780	2,066	2,721	3,547	3,960	4,205	+2,425	+2,139	+1,484	+658	+245	+6.2%	+18.6%
083005 - PARK HILL	8,202	9,004	9,648	10,198	11,111	11,692	+3,490	+2,688	+2,044	+1,494	+581	+5.2%	+14.6%

Key: Maximum Values in Column | Minimum Values in Column

BENCHMARK POPULATION DATA

This table provides values for various population data of benchmark school districts.

District Name	Estimated Population (2021)	2021 Estimated Percent Population 17 years old or younger	2020-2021 K-12 School Enrollment	2021 Estimated School-Age Population	Est 2021 Percentage of School-Age Children Living in the District Who Attend District Schools 2021*
024090 - LIBERTY 53	63,568	24.7%	12,563	11,977	104.9%
024093 - NORTH KANSAS CITY	140,495	23.7%	20,255	24,393	83.0%
048066 - FORT OSAGE R-I	26,185	23.0%	4,748	4,415	107.5%
048068 - BLUE SPRINGS R-IV	82,965	22.2%	14,537	13,392	108.5%
048071 - LEE'S SUMMIT R-VII	103,213	21.8%	17,503	16,684	104.9%
048072 - HICKMAN MILLS C-1	47,418	25.9%	4,796	8,882	54.0%
048073 - RAYTOWN C-2	60,136	22.1%	7,829	9,615	81.4%
048074 - GRANDVIEW C-4	33,356	23.1%	3,636	5,570	65.3%
048077 - INDEPENDENCE 30	95,733	22.6%	13,765	15,832	86.9%
048080 - CENTER 58	25,376	23.7%	2,415	4,266	56.6%
083003 - PLATTE CO. R-III	27,576	24.3%	4,205	4,869	86.4%
083005 - PARK HILL	75,031	21.8%	11,692	11,953	97.8%

Key: Maximum Values in Column | Minimum Values in Column

* More than 100% market share can occur when: (1) Students living outside the school district enroll in the district's schools; (2) The estimated school-age population is too low. A more reliable calculation will be available with 2020 Census data scheduled to be available after fall 2022.

BENCHMARK HOUSEHOLD DATA

The following table provides values for household data of benchmark school districts.

District Name	Number of Households (2021)	Est. 2021 Average Household Size	Est 2021 Estimated Population 25+ College Graduate or Professional Degree (includes Associate Degree)	Est. 2021 Estimated Median Home Value	2021 Estimated Percentage of Households in Poverty
024090 - LIBERTY 53	22,701	2.74	50.7%	$294,107	4.9%
024093 - NORTH KANSAS CITY	58,038	2.41	40.3%	$217,410	8.5%
048066 - FORT OSAGE R-I	9,370	2.78	24.5%	$173,857	10.3%
048068 - BLUE SPRINGS R-IV	31,637	2.61	45.8%	$260,180	6.0%
048071 - LEE'S SUMMIT R-VII	38,461	2.67	53.9%	$309,036	5.2%
048072 - HICKMAN MILLS C-1	18,742	2.51	31.1%	$144,131	17.1%
048073 - RAYTOWN C-2	24,830	2.39	29.8%	$155,791	11.0%
048074 - GRANDVIEW C-4	13,185	2.45	36.8%	$194,891	11.8%
048077 - INDEPENDENCE 30	40,512	2.34	25.6%	$151,889	15.1%
048080 - CENTER 58	12,256	2.05	46.6%	$212,430	11.7%
083003 - PLATTE CO. R-III	11,669	2.34	47.4%	$289,913	6.5%
083005 - PARK HILL	30,268	2.46	54.0%	$302,401	6.1%

Key: Maximum Values in Column | Minimum Values in Column

BENCHMARK SCHOOL FINANCE DATA

The table below provides values for school finance data based upon the 2020-2021 school year.

TAX BASE

District	Percent Local Funding	Percent State Funding	Percent Federal Funding	Assessed Valuation	Assessed Valuation Per Student	Total Expenditures
024090 - LIBERTY 53	52.9%	41.5%	5.6%	1,093,514,313	87,042	181,045,487
024093 - NORTH KANSAS CITY	60.4%	28.5%	11.1%	2,449,251,711	120,921	367,546,968
048066 - FORT OSAGE R-I	47.1%	40.6%	12.4%	312,068,062	65,726	69,873,129
048068 - BLUE SPRINGS R-IV	55.2%	33.0%	11.7%	1,659,299,029	114,143	233,002,246
048071 - LEE'S SUMMIT R-VII	64.6%	28.9%	6.5%	2,324,534,931	132,808	316,923,489
048072 - HICKMAN MILLS C-1	39.1%	35.5%		475,358,668	99,116	83,835,366
048073 - RAYTOWN C-2	45.9%	37.0%	17.0%	728,854,928	93,097	128,749,000
048074 - GRANDVIEW C-4	53.5%	28.5%	18.0%	565,982,916	155,661	62,659,967
048077 - INDEPENDENCE 30	43.8%	42.4%	13.8%	1,110,542,451	80,679	216,057,030
048080 - CENTER 58	70.3%	13.7%	16.1%	502,060,430	207,893	76,244,499
083003 - PLATTE CO. R-III	71.6%	23.1%	5.4%	601,392,497	143,018	63,140,837
083005 - PARK HILL	69.0%	25.3%	5.7%	1,924,679,725	164,615	230,702,667

Key: Maximum Values in Column | Minimum Values in Column

TAX RATE (2020-2021)

District	Tax Rate - Incidental Fund	Tax Rate - Teachers Fund	Tax Rate - Debt Service	Tax Rate - Capital Projects	Total Tax Rate
024090 - LIBERTY 53	4.5356	0.0000	1.5594	0.3600	**6.4550**
024093 - NORTH KANSAS CITY	2.6229	2.1600	1.2900	0.1300	**6.2029**
048066 - FORT OSAGE R-I	2.3282	2.5000	1.5418	0.0000	**6.3700**
048068 - BLUE SPRINGS R-IV	4.4635	0.0000	1.2651	0.0000	**5.7286**
048071 - LEE'S SUMMIT R-VII	4.3505	0.0000	1.0700	0.0500	**5.4705**
048072 - HICKMAN MILLS C-1	4.7891	0.0000	1.1000	0.0000	**5.8891**
048073 - RAYTOWN C-2	5.1600	0.0000	1.1600	0.0000	**6.3200**
048074 - GRANDVIEW C-4	4.3057	0.0000	1.0500	0.0000	**5.3557**
048077 - INDEPENDENCE 30	4.3236	0.0000	1.2145	0.0000	**5.5381**
048080 - CENTER 58	5.1901	0.0000	0.9000	0.0600	**6.1501**
083003 - PLATTE CO. R-III	3.4624	0.0000	1.1383	0.4186	**5.0193**
083005 - PARK HILL	4.6108	0.0000	0.6347	0.1500	**5.3955**

Key: Maximum Values in Column | Minimum Values in Column

Park Hill School District

Building Successful Futures • Each Student • Every Day

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STUDENT ENROLLMENT

In this section of the *2021-2022 Demographic Profile & Enrollment Projections* the Park Hill School District historical enrollment data is depicted in various tables and graphs. In addition, data on district housing and birthrates are shared to establish trends relevant to enrollment growth in future years.

HISTORICAL ENROLLMENT DATA

This section includes the following tables, charts, and graphs:

Student Enrollment Table by Grade – 25-Year Historical. This table summarizes official enrollment in the district over the last twenty-five years.

K-12 Student Enrollment Chart – 25-Year Historical. This graph represents enrollment and enrollment growth over the last twenty-five years.

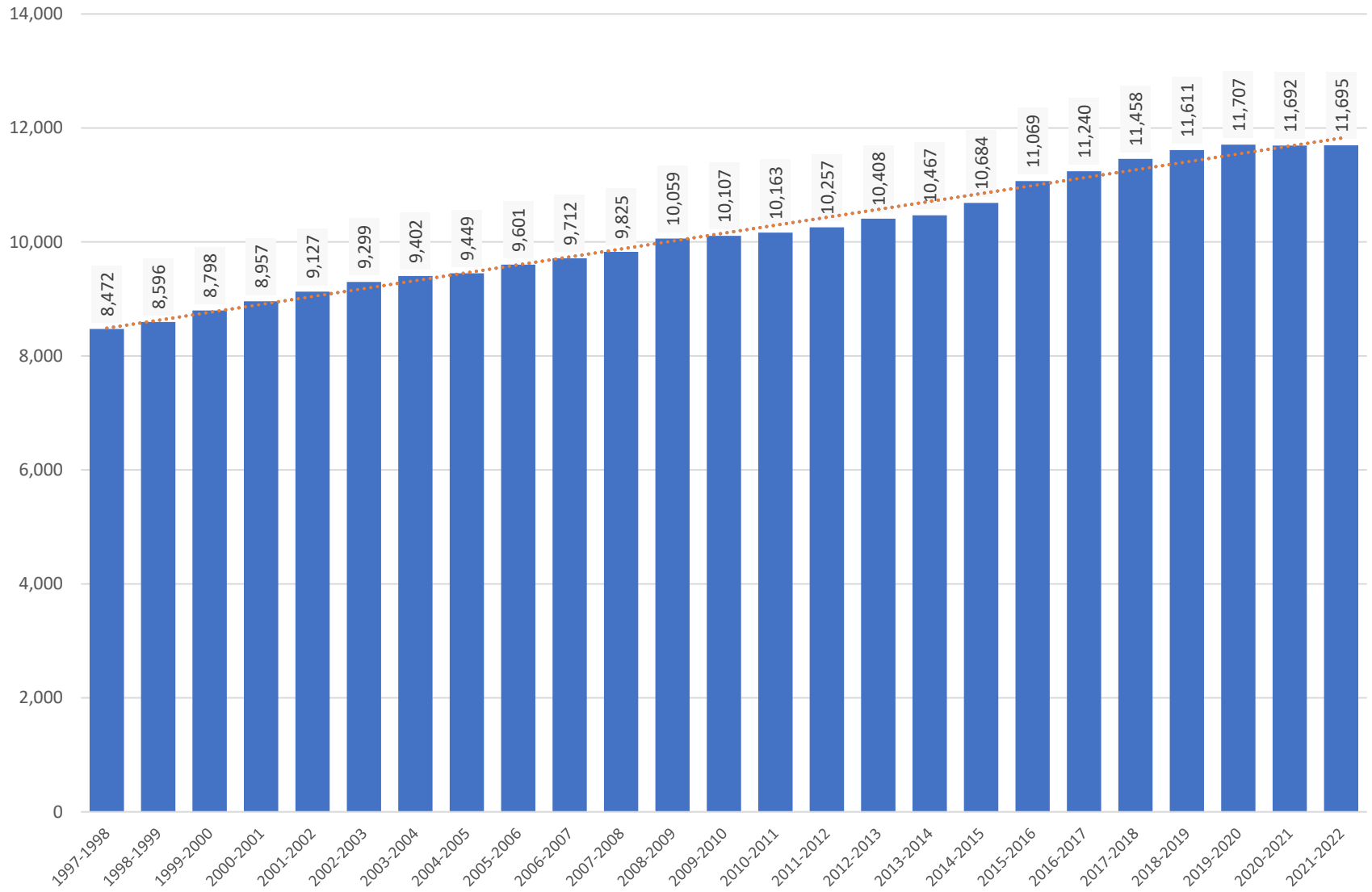
Annual Growth in K-12 Student Enrollment – 25-Year Historical. This graph represents enrollment growth (number of students) over the last twenty-five years.

STUDENT ENROLLMENT TABLE BY GRADE – 25-YEAR HISTORICAL

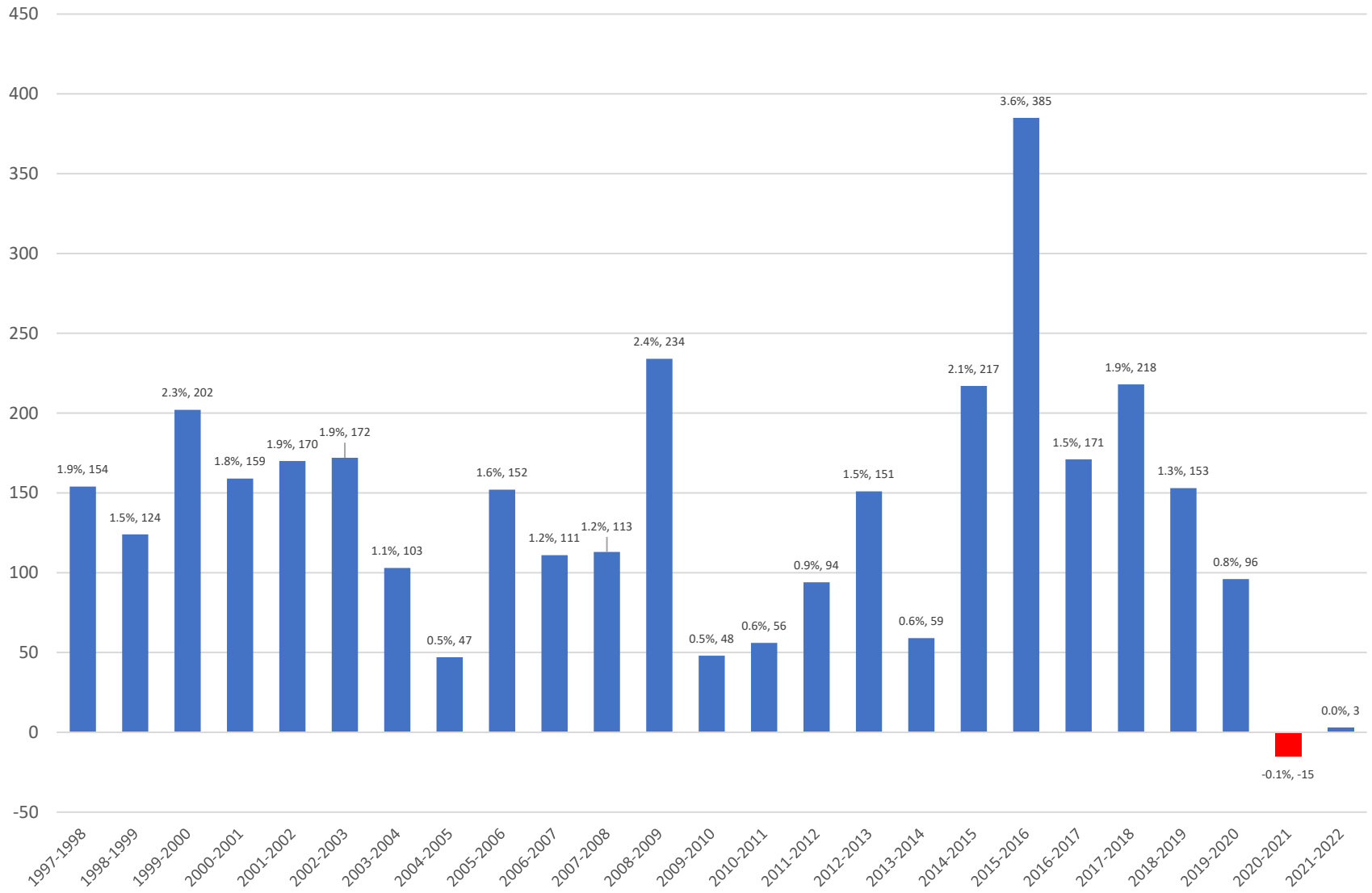
School Year	K	1	2	3	4	5	K-5 Subtotal	6	7	8	6-8 Subtotal	9	10	11	12	9-12 Subtotal	Grand Total
1997-1998	667	670	651	634	713	603	3,938	673	663	705	2,041	617	627	692	557	2,493	8,472
1998-1999	645	692	678	659	631	734	4,039	638	690	657	1,985	745	617	625	585	2,572	8,596
1999-2000	657	685	688	729	689	658	4,106	740	649	714	2,103	701	734	603	551	2,589	8,798
2000-2001	608	667	693	707	735	698	4,108	671	765	657	2,093	749	715	739	553	2,756	8,957
2001-2002	640	659	681	688	722	747	4,137	736	679	793	2,208	697	730	692	663	2,782	9,127
2002-2003	719	679	681	683	696	742	4,200	765	751	678	2,194	827	704	727	647	2,905	9,299
2003-2004	688	747	702	652	700	699	4,188	773	781	758	2,312	709	810	678	705	2,902	9,402
2004-2005	711	669	738	715	656	689	4,178	722	767	793	2,282	797	705	800	687	2,989	9,449
2005-2006	676	725	693	739	719	683	4,235	718	748	794	2,260	834	789	690	793	3,106	9,601
2006-2007	705	711	718	713	737	745	4,329	734	757	778	2,269	838	819	763	694	3,114	9,712
2007-2008	703	740	718	743	740	750	4,394	759	760	753	2,272	821	802	793	743	3,159	9,825
2008-2009	726	741	760	746	767	755	4,495	786	792	778	2,356	817	797	794	800	3,208	10,059
2009-2010	704	764	760	786	754	791	4,559	761	780	801	2,342	823	806	794	783	3,206	10,107
2010-2011	744	712	773	782	779	761	4,551	780	786	803	2,369	853	807	789	794	3,243	10,163
2011-2012	752	739	722	789	787	788	4,577	775	816	785	2,376	856	843	806	799	3,304	10,257
2012-2013	771	791	768	745	821	800	4,696	807	819	821	2,447	828	842	810	785	3,265	10,408
2013-2014	788	794	787	778	753	815	4,715	814	846	808	2,468	861	817	795	811	3,284	10,467
2014-2015	822	812	831	792	791	771	4,819	841	836	865	2,542	847	848	829	799	3,323	10,684
2015-2016	851	863	834	865	822	785	5,020	812	900	866	2,578	951	855	833	832	3,471	11,069
2016-2017	792	865	877	848	882	865	5,129	798	866	892	2,556	927	935	865	828	3,555	11,240
2017-2018	831	829	914	894	871	905	5,244	874	849	869	2,592	950	896	927	849	3,622	11,458
2018-2019	818	878	828	923	933	892	5,272	914	911	848	2,673	944	949	885	888	3,666	11,611
2019-2020	865	825	888	846	926	933	5,283	946	932	912	2,790	911	926	925	872	3,634	11,707
2020-2021	811	863	849	866	857	940	5,186	936	937	920	2,793	965	899	923	926	3,713	11,692
2021-2022	822	842	868	852	878	878	5,140	937	943	958	2,838	989	939	876	913	3,717	11,695

**Highlighted cells (orange) denote the largest historical enrollments for each grade level (K, 1, 2, etc.) and grade spans (Elementary, Middle, High School).*

K-12 STUDENT ENROLLMENT CHART– 25-YEAR HISTORICAL



ANNUAL GROWTH IN K-12 STUDENT ENROLLMENT – 25-YEAR HISTORICAL



CURRENT ENROLLMENT

This section of the *2020-2021 Demographic Profile & Enrollment Projections* of the Park Hill School District shows data collected on the state's official student count day and is reflected in various tables, charts, and graphs. The Missouri Department of Elementary and Secondary Education has established the annual official **enrollment count** as the number of students in grades K-12 enrolled on the last Wednesday in September of each year. A second enrollment count is taken in January of each year by all Missouri school districts but is not a part of this report.

The student enrollment value should not be confused with the rate of pupil attendance or **average daily attendance** (ADA), which is the total hours of student attendance divided by the total hours school is in session. In addition, the state utilizes a third measure to calculate student population – **membership**. Membership totals are used to differentiate full-time students from part-time. The membership of a student is reported as a full-time equivalency (FTE), such that a student enrolled the last Wednesday of September for 6 hours of a 6-hour day would be reported as a 1.00 FTE for September membership. If that same student was enrolled for 2 hours of a 6-hour day the last Wednesday of January, the January membership would be 0.33 FTE.

The report also distinguishes between Program Enrollment and Resident Enrollment. Resident Enrollment is the count of student assigned to a "home" school, or the school attendance area in which they reside. Program Enrollment is the enrollment within a school or special program such as the LEAD Innovation Studio or Russell Jones Education Center.

For the purposes of this report and the projections made at the end of the report, the September enrollment count has been utilized as the benchmark for comparison from year to year. Any exceptions to this are highlighted throughout the report.

This section includes the following tables, charts, and graphs:

K-12 Student Program Enrollment. This table summarizes enrollment by school and by grade level.

Change in K-12 Student Program Enrollment from Prior Year. This table summarizes where the changes in enrollment occurred (by school and grade level) over the last year.

K-12 Enrollment by School (Resident Enrollment). This graph summarizes resident enrollment by school.

Park Hill School District Grade Level Distribution. This graph summarizes enrollment by grade level.

Park Hill School District Cohort Size Analysis. This table summarizes enrollment by grade level and compares these enrollments to benchmark years.

Park Hill School District Student Geographic Distribution. This map plots all students from the 2020-2021 school year on a district map.

Park Hill School District Student Enrollment Density. This shows the density of students enrolled from the 2020-2021 school year on a district map.

Park Hill School District Grade Level Distribution and Cohort Growth Since Kindergarten. This graph represents a key concept in projecting student enrollment – "cohort growth". This graph shows current enrollment by grade level and includes the size of the same cohort when they were kindergarteners. As depicted in the graph, Park Hill School District classes generally increase in size as they pass from grade level to grade level.

Park Hill School District Current Senior Class Cohort Growth – Kindergarten Through 12th Grade. The graph shows the cohort change over the last 13 years of the current graduating class, beginning when they were kindergarteners.

Park Hill School District Diversity of Enrollment. This pie chart represents the diversity of the student population.

Park Hill School District Change in Diverse Populations. This graph and corresponding data table shows the increase of diverse populations over the last ten years.

Park Hill School District Diverse Populations by School. This graph illustrates the percentage of non-white students within each school.

Park Hill School District Growth in Free and Reduced Lunch Population. This chart reports the rate of students who received free and reduced lunch over the last ten years. For the purpose of this annual report and to be consistent with state reporting, the district has utilized the official January membership count to compare free and reduced values.

Park Hill School District Free and Reduced Lunch Population by School. This graph illustrates the percentage of free and reduced students within each school. For the purposes of this annual report, the district has utilized the official January count to compare free and reduced values.

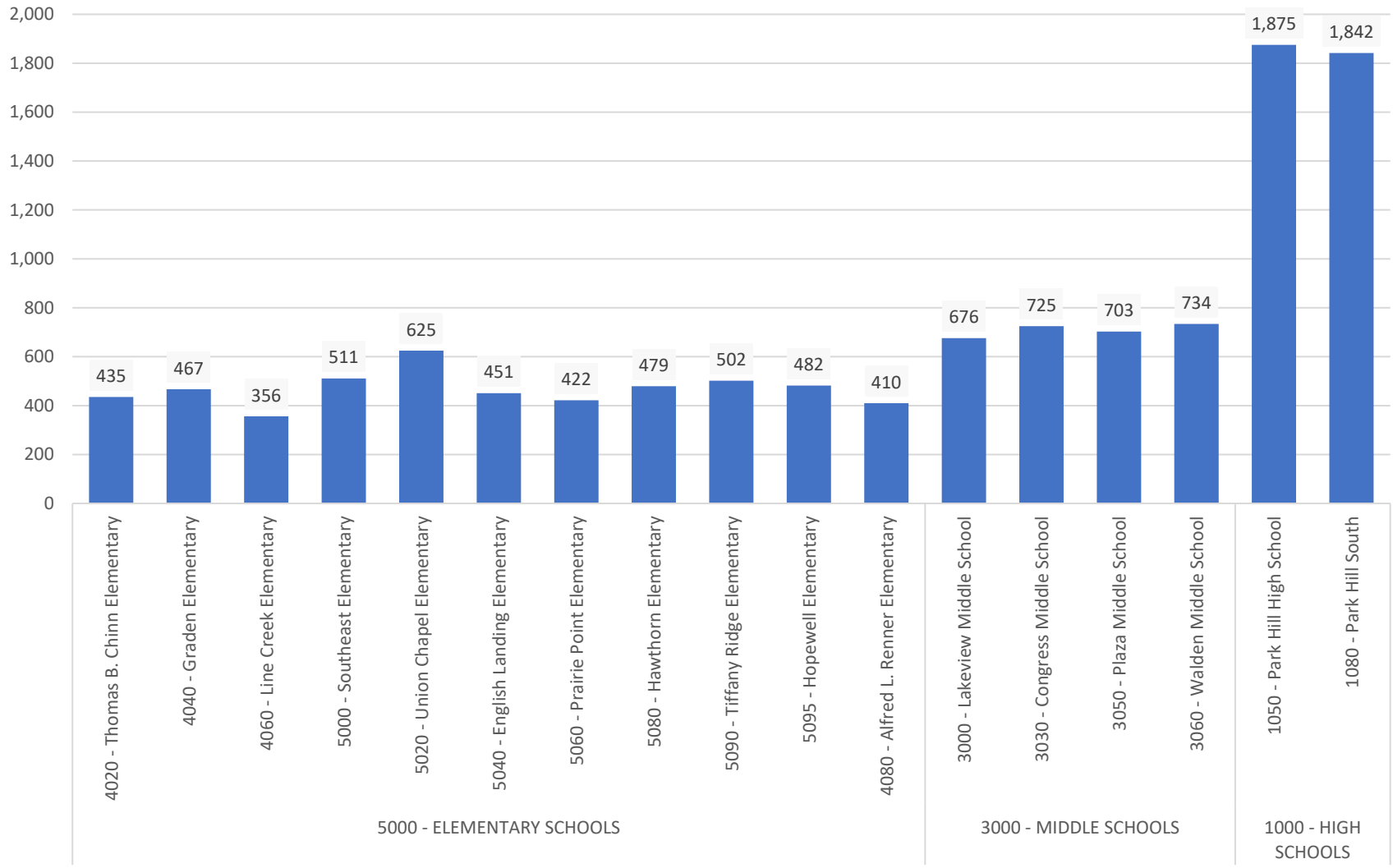
K-12 STUDENT PROGRAM ENROLLMENT

	K	1	2	3	4	5	6	7	8	9	10	11	12	Total
1000 - HIGH SCHOOLS										989	939	876	913	**3,717**
1020 - LEAD INNOVATION STUDIO										210	148	149	98	**605**
1050 - PARK HILL HIGH SCHOOL										393	365	341	436	**1,535**
1080 - PARK HILL SOUTH										382	421	381	372	**1,556**
6000 - RUSSELL JONES EDUCATION CENTER										4	5	5	7	**21**
3000 - MIDDLE SCHOOLS							937	943	958					**2,838**
3000 - LAKEVIEW MIDDLE SCHOOL							223	221	228					**672**
3030 - CONGRESS MIDDLE SCHOOL							226	237	261					**724**
3050 - PLAZA MIDDLE SCHOOL							237	240	224					**701**
3060 - WALDEN MIDDLE SCHOOL							249	240	243					**732**
6000 - RUSSELL JONES EDUCATION CENTER							2	5	2					**9**
5000 - ELEMENTARY SCHOOLS	822	842	868	852	878	878								**5,140**
4020 - THOMAS B. CHINN ELEMENTARY	70	60	75	79	82	65								**431**
4040 - GRADEN ELEMENTARY	62	66	76	93	93	76								**466**
4060 - LINE CREEK ELEMENTARY	64	52	54	62	62	56								**350**
4080 - ALFRED L. RENNER ELEMENTARY	59	66	71	78	78	58								**410**
5000 - SOUTHEAST ELEMENTARY	94	81	80	77	86	89								**507**
5020 - UNION CHAPEL ELEMENTARY	91	112	106	111	94	107								**621**
5040 - ENGLISH LANDING ELEMENTARY	77	80	69	76	72	74								**448**
5060 - PRAIRIE POINT ELEMENTARY	74	83	67	58	64	76								**422**
5080 - HAWTHORN ELEMENTARY	77	70	91	71	65	104								**478**
5090 - TIFFANY RIDGE ELEMENTARY	83	76	91	77	82	89								**498**
5095 - HOPEWELL ELEMENTARY	70	94	86	64	89	77								**480**
6000 - RUSSELL JONES EDUCATION CENTER	1	2	2	6	11	7								**29**
Total	**822**	**842**	**868**	**852**	**878**	**878**	**937**	**943**	**958**	**989**	**939**	**876**	**913**	**11,695**

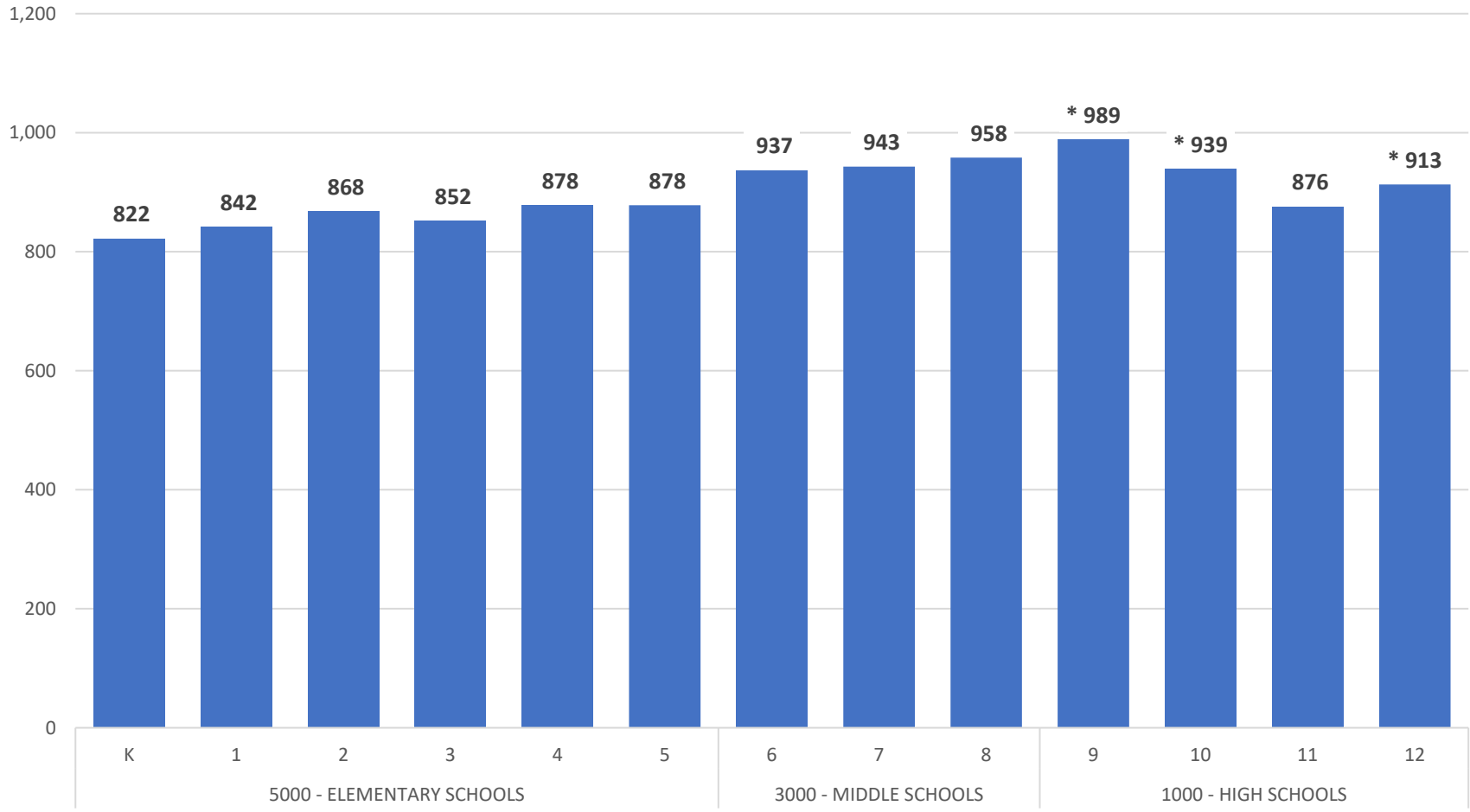
CHANGE IN K-12 STUDENT PROGRAM ENROLLMENT FROM PRIOR YEAR

School	2020-2021	2021-2022	Enrollment Growth	% Growth
5020 - Union Chapel Elementary	563	621	+58	10.3%
7500 - Gerner Family Early Education Center	304	329	+25	8.2%
5095 - Hopewell Elementary	453	480	+27	6.0%
5040 - English Landing Elementary	435	448	+13	3.0%
1020 - LEAD Innovation Studio	588	605	+17	2.9%
5000 - Southeast Elementary	495	507	+12	2.4%
3030 - Congress Middle School	708	724	+16	2.3%
3050 - Plaza Middle School	687	701	+14	2.0%
3000 - Lakeview Middle School	660	672	+12	1.8%
5060 - Prairie Point Elementary	418	422	+4	1.0%
1080 - Park Hill South	1,546	1,556	+10	0.6%
5080 - Hawthorn Elementary	476	478	+2	0.4%
3060 - Walden Middle School	730	732	+2	0.3%
1050 - Park Hill High School	1,557	1,535	-22	-1.4%
5090 - Tiffany Ridge Elementary	510	498	-12	-2.4%
4060 - Line Creek Elementary	359	350	-9	-2.5%
4040 - Graden Elementary	489	466	-23	-4.7%
6000 - Russell Jones Education Center	63	59	-4	-6.3%
4020 - Thomas B. Chinn Elementary	473	431	-42	-8.9%
4080 - Alfred L. Renner Elementary	482	410	-72	-14.9%

K-12 ENROLLMENT BY SCHOOL (RESIDENT ENROLLMENT)



PARK HILL SCHOOL DISTRICT GRADE LEVEL DISTRIBUTION



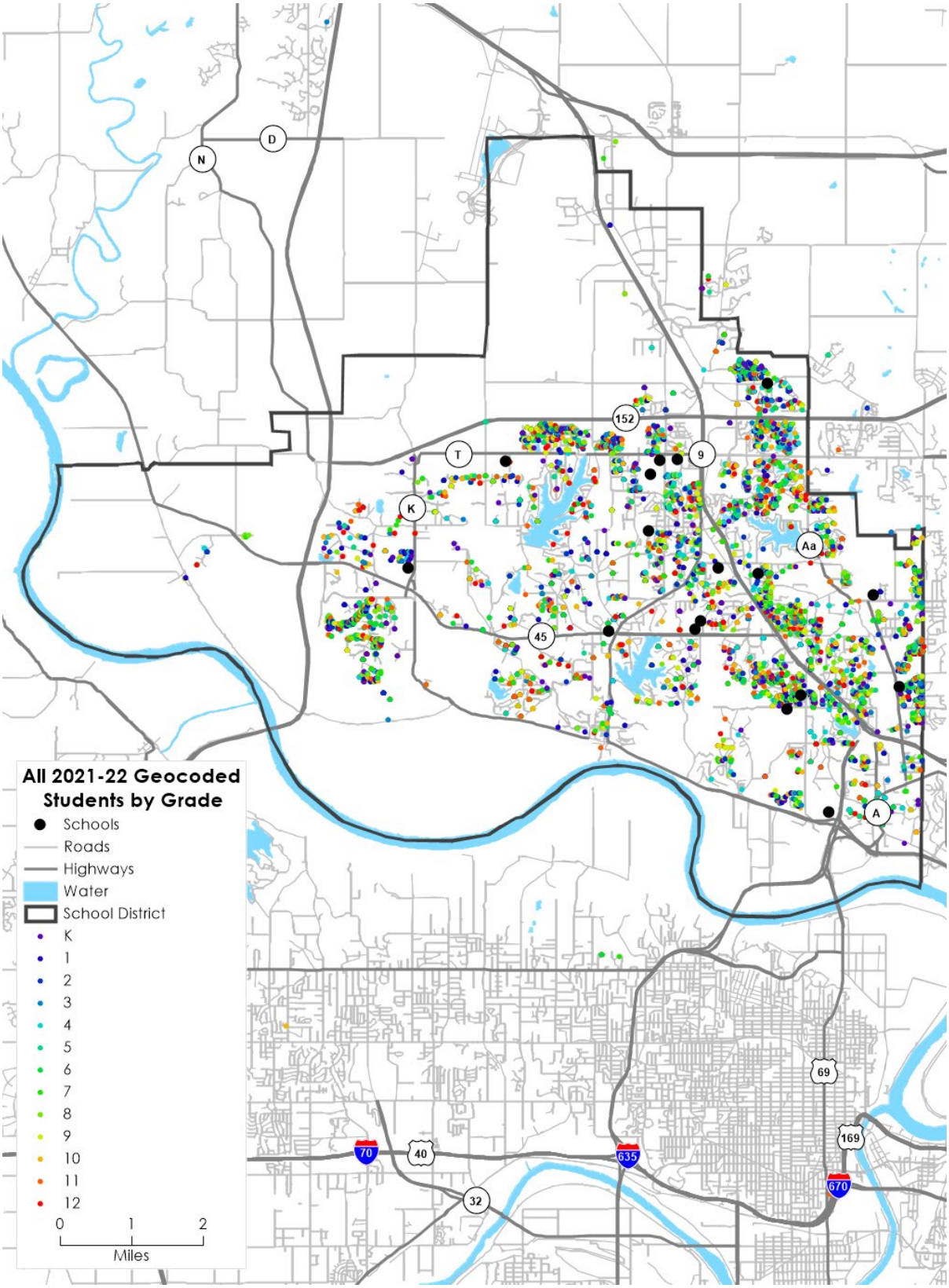
** Denotes the largest cohorts in this grade level*

PARK HILL SCHOOL DISTRICT COHORT SIZE ANALYSIS

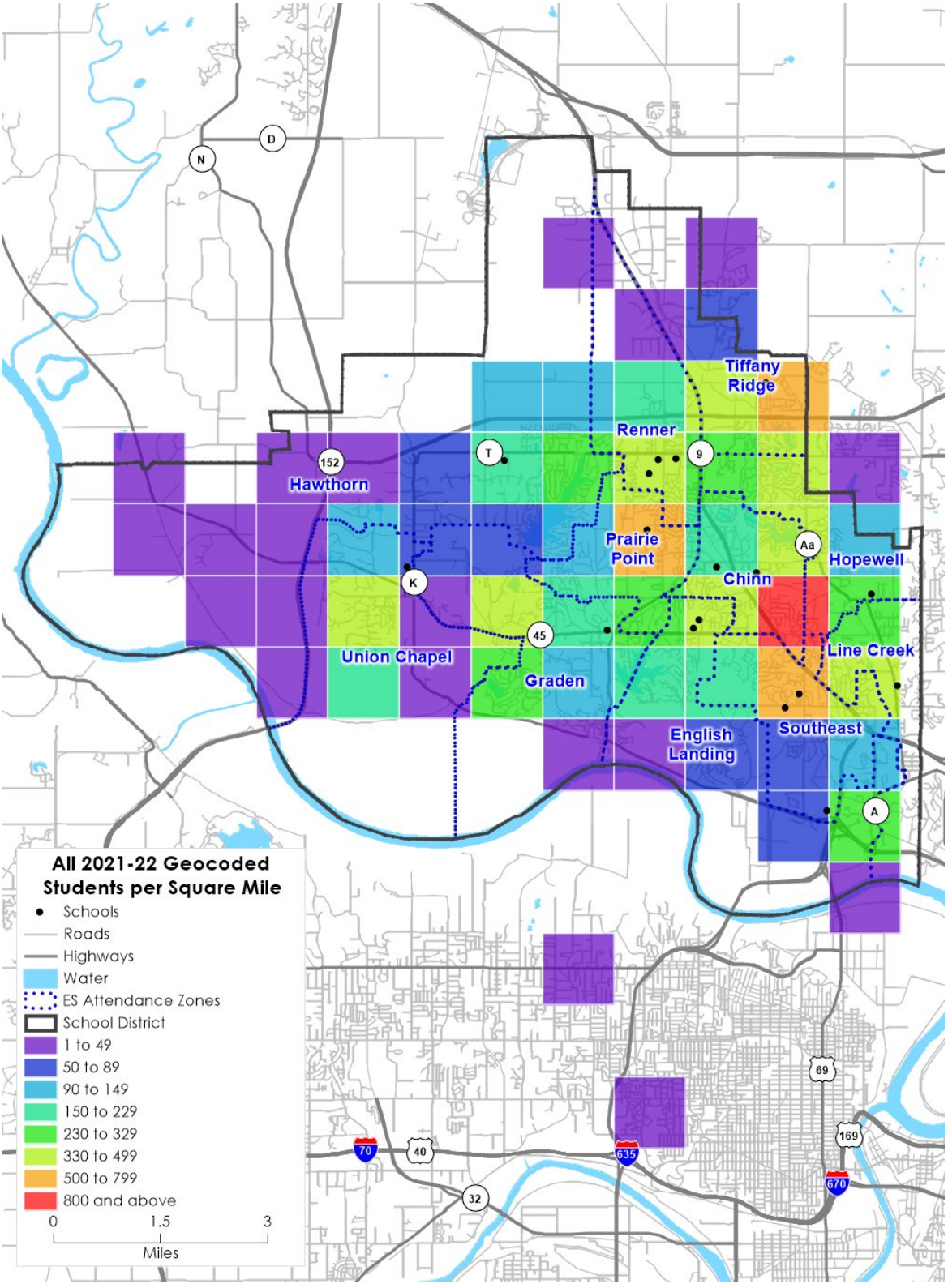
The table below displays largest cohort per grade level and the school year in which that cohort and grade was present in the school district. The values highlighted in orange depict largest cohorts in the current school year.

Grade Level	**Cohort Size**	**School Year**
K	865	2019-2020
1	878	2018-2019
2	914	2017-2018
3	923	2018-2019
4	933	2018-2019
5	940	2020-2021
K-5 Subtotal	5,283	2019-2020
6	946	2019-2020
7	943	2021-2022
8	958	2021-2022
6-8 Subtotal	2,838	2021-2022
9	989	2021-2022
10	949	2018-2019
11	927	2017-2018
12	926	2020-2021
9-12 Subtotal	3,717	2021-2022
Grand Total	11,707	2019-2020
Enrollment Growth	400	2015-2016
Enrollment Growth %	3.7%	2015-2016

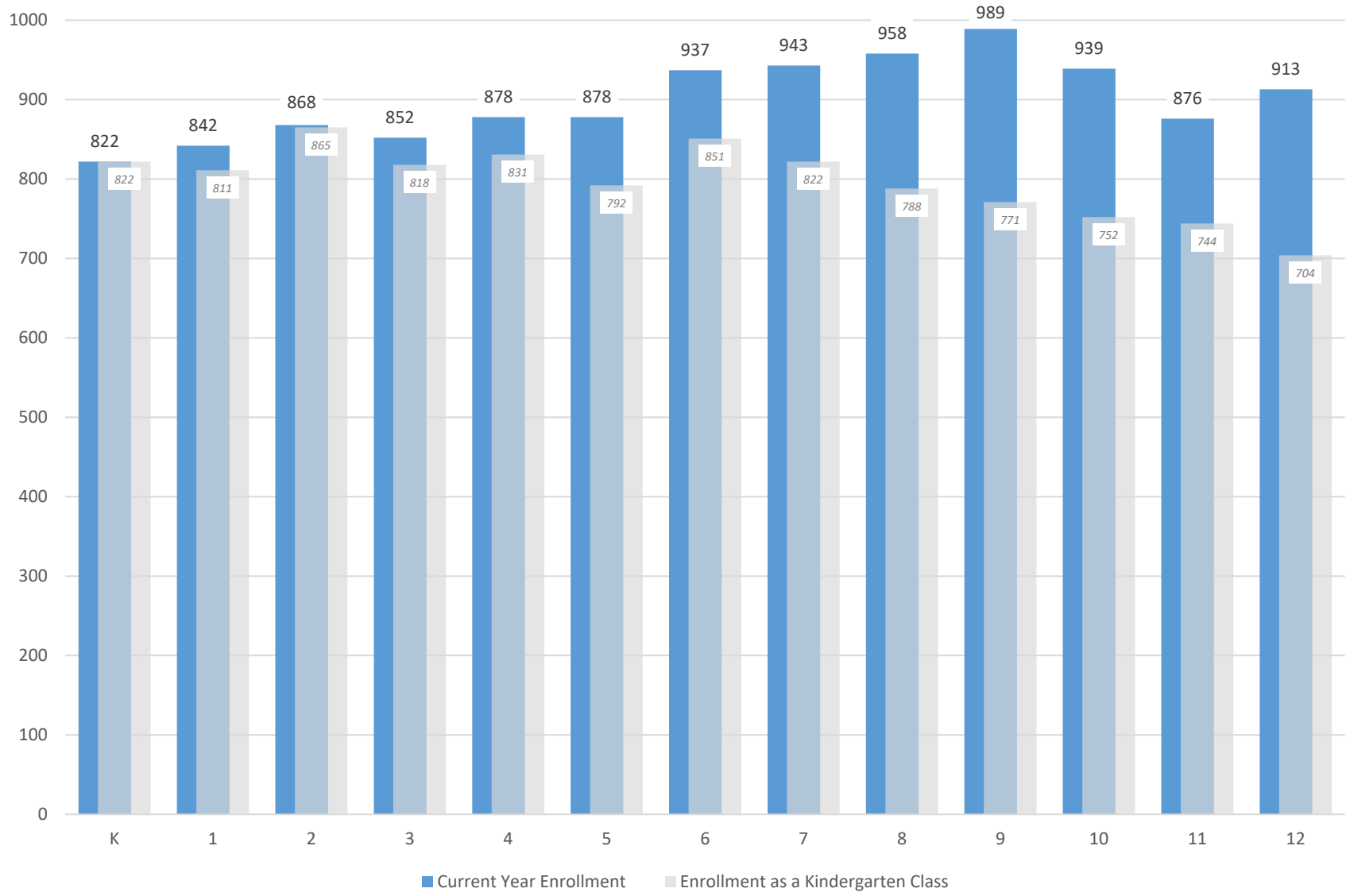
PARK HILL SCHOOL DISTRICT STUDENT GEOGRAPHIC DISTRICT



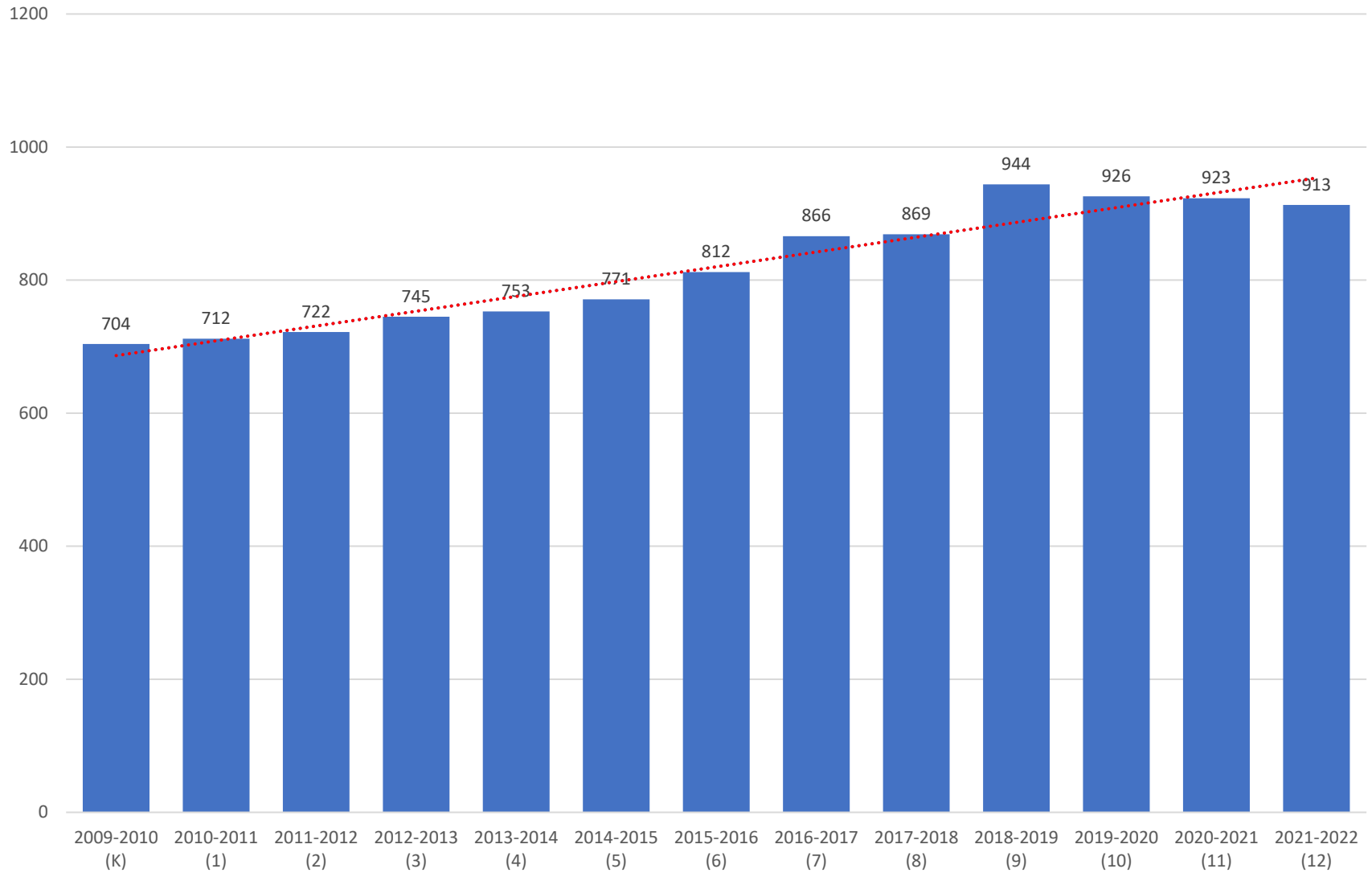
PARK HILL SCHOOL DISTRICT STUDENT ENROLLMENT DENSITY



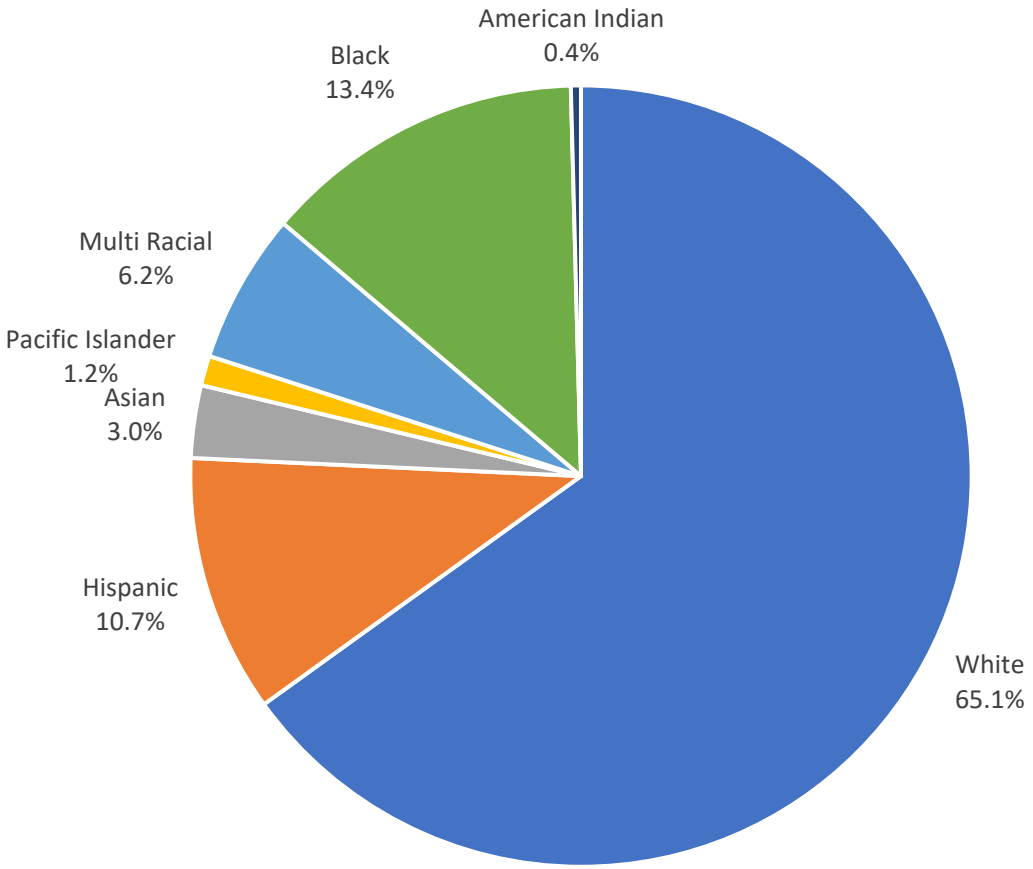
PARK HILL SCHOOL DISTRICT GRADE LEVEL DISTRIBUTION AND COHORT GROWTH SINCE KINDERGARTEN



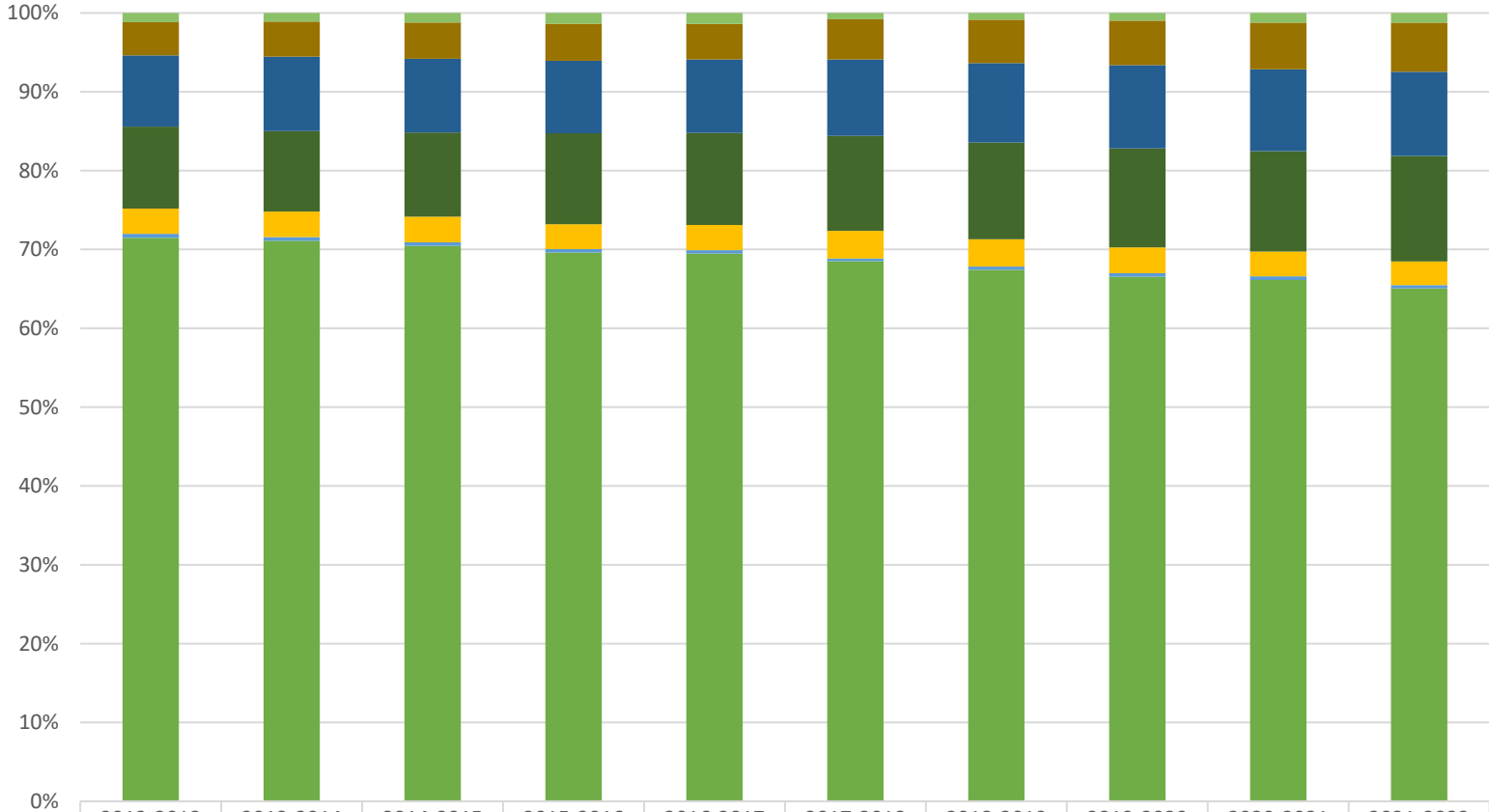
PARK HILL SCHOOL DISTRICT CURRENT SENIOR CLASS COHORT GROWTH – KINDERGARTEN THROUGH 12TH GRADE



PARK HILL SCHOOL DISTRICT DIVERSITY OF CURRENT PRE-K – 12 GRADE ENROLLMENT

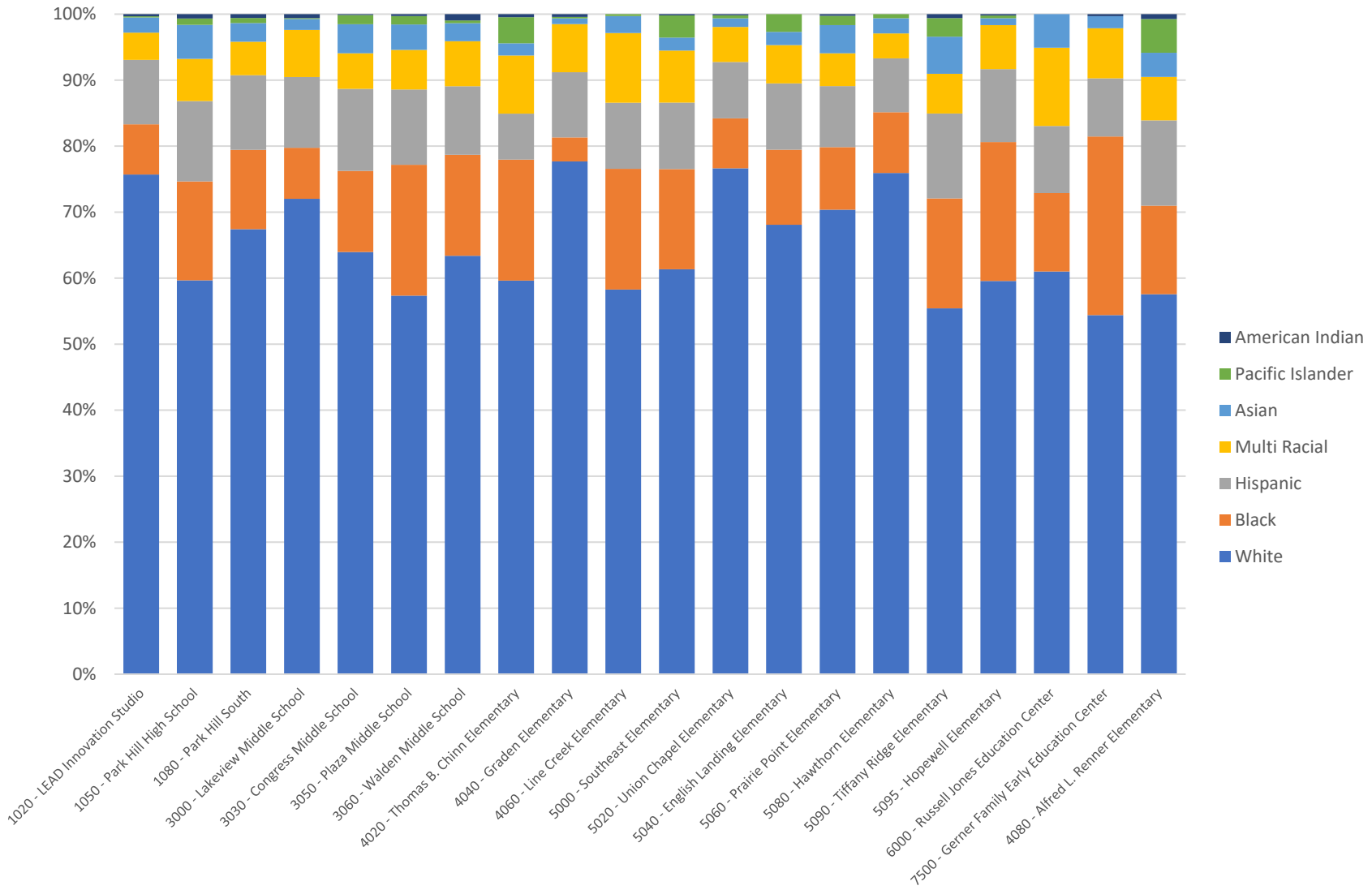


PARK HILL SCHOOL DISTRICT CHANGE IN DIVERSE POPULATIONS

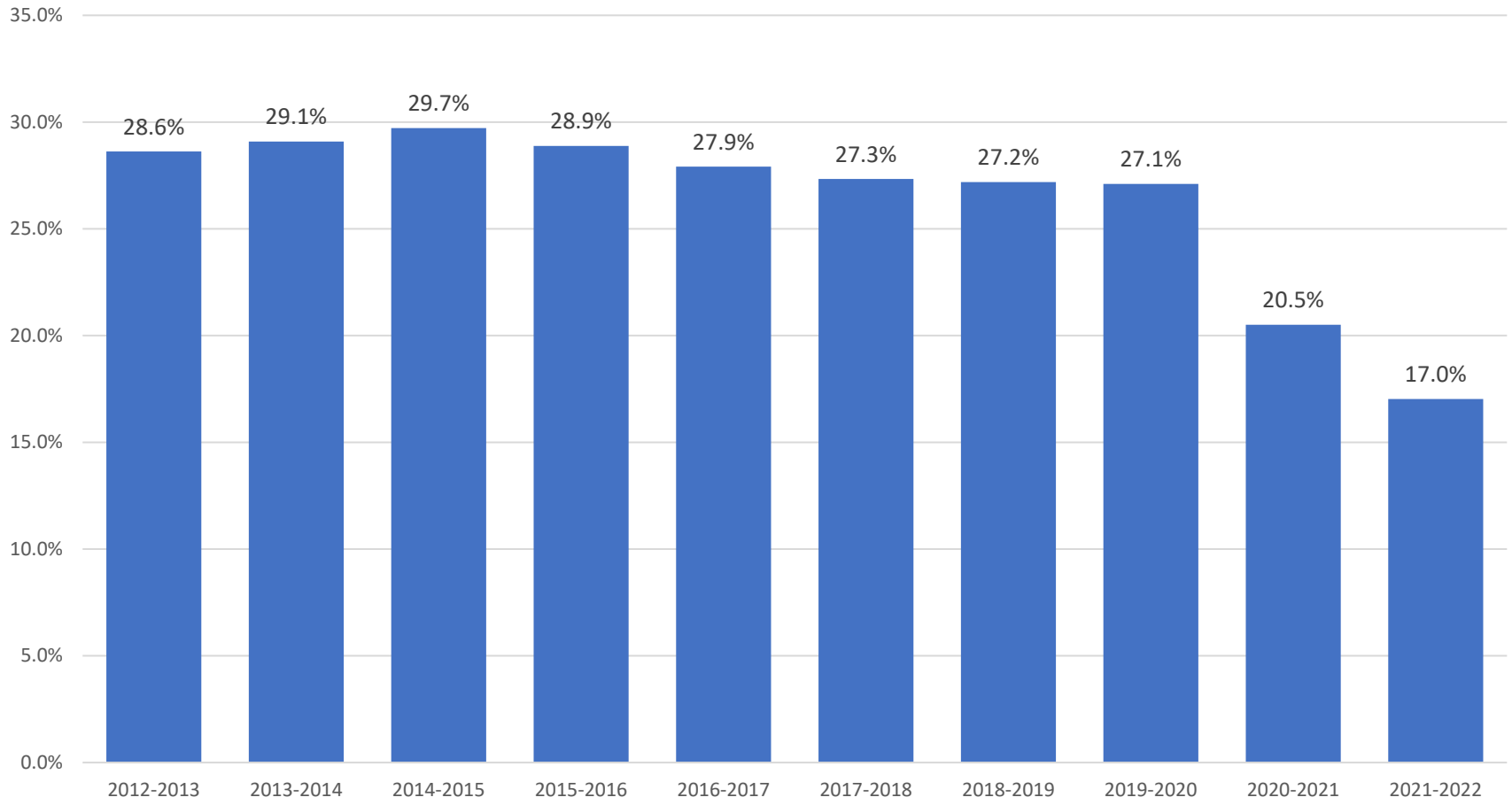


	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
Pacific Islander	122	115	130	152	155	91	98	114	146	148
Multi Racial	441	466	493	523	510	583	641	660	711	749
Hispanic	943	992	1,001	1,019	1,053	1,113	1,171	1,238	1,247	1,283
Black	1,088	1,074	1,145	1,283	1,318	1,380	1,425	1,471	1,528	1,609
Asian	332	339	347	351	360	401	401	382	377	361
American Indian	54	49	49	47	49	40	49	54	56	50
White	7,468	7,469	7,548	7,736	7,842	7,850	7,832	7,790	7,938	7,824

PARK HILL SCHOOL DISTRICT DIVERSE POPULATIONS BY SCHOOL

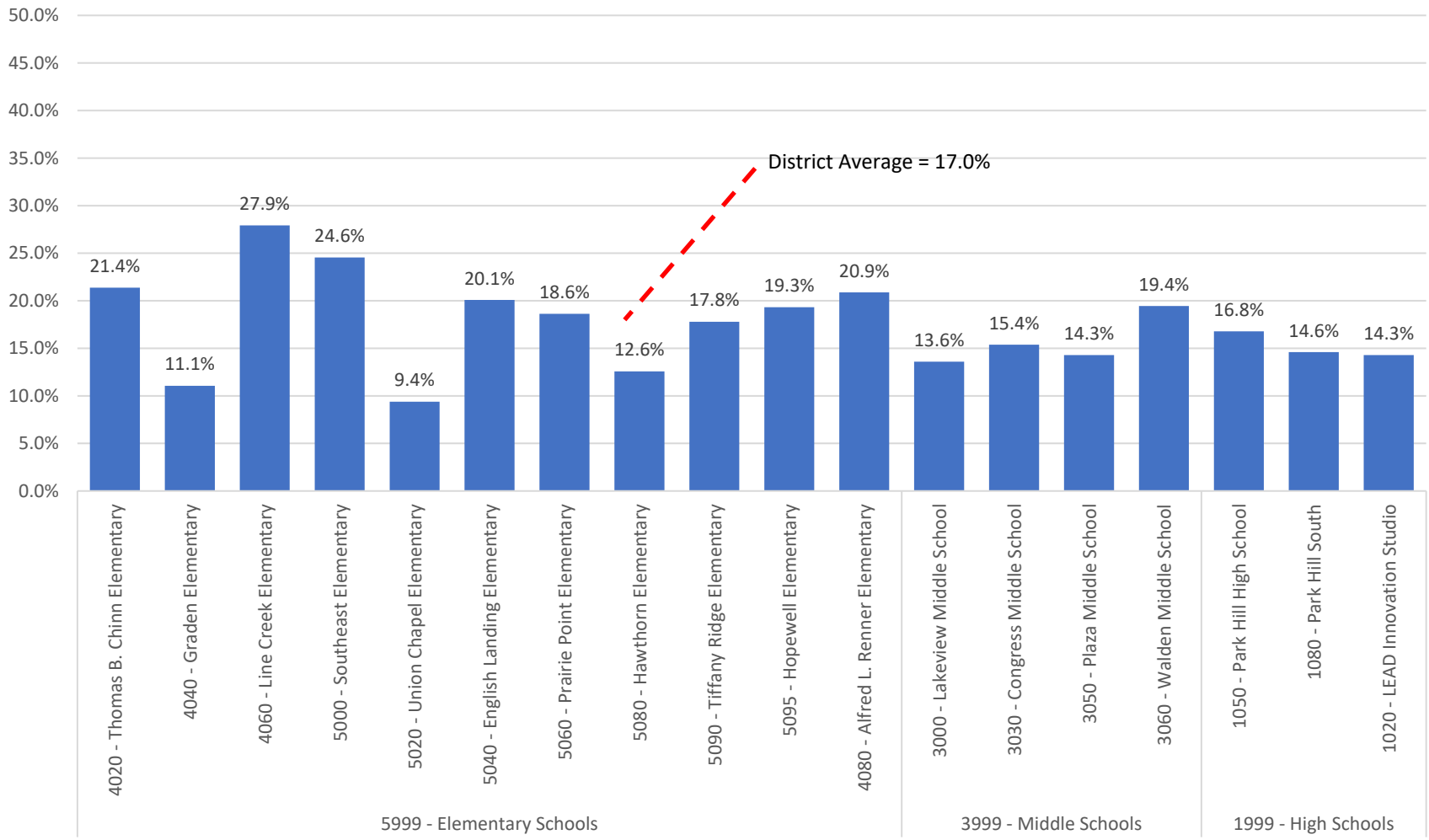


PARK HILL SCHOOL DISTRICT GROWTH IN FREE AND REDUCED LUNCH POPULATION*



** Official Free and Reduced Lunch Counts are based on January Membership Counts*

PARK HILL SCHOOL DISTRICT FREE AND REDUCED LUNCH POPULATION BY SCHOOL*



** Official Free and Reduced Lunch Counts are based on January Membership Counts*

PARK HILL SCHOOL DISTRICT MOBILITY DATA

One of the major challenges facing schools is student mobility. A student is considered mobile when they transfer schools. Unfortunately, mobility has been demonstrated to be associated with many negative outcomes, including low achievement, grade retention, and dropping out. Students who are in a school or district for a relatively short time do not have as great of an opportunity to benefit from consistent educational programming.

Park Hill School District, like any district, is forced to deal with issues related to mobility. While the educational programming that students receive may not differ significantly when transferring from one building to the next within the district, the same cannot be assumed for transferring in from other districts. The following charts display student mobility rates for Park Hill School District, as defined by the percentage of students who are new to the district. "One-year mobility" is the percentage of current students who were not in Park Hill last year. More specifically, these students were here on the 2020-2021 September count day but not here on the 2019-2020 September count day. "Two-year mobility" is the percentage of current students who were not in the Park Hill School District two years ago, based on them not being in the district on the past two years' count days. Kindergarten students are not included in the one-year student mobility rates. Likewise, kindergarten and first grade students are not included in the two-year student mobility calculation.

This section of the *2021-2022 Demographic Profile & Enrollment Projections* depicts seven graphs showing student mobility rates for Park Hill School District, as defined by the percentage of students who are new to the Park Hill School District.

District Mobility. This graph shows the number of students new to the district for the last two school years.

Mobility by Grade Span. This graph disaggregates the mobility data by grade span for the last two school years.

Mobility by Ethnicity. This graph disaggregates the mobility data by ethnicity for the last two school years.

Mobility by Free and Reduced Lunch Status. This graph disaggregates the mobility data by free and reduced lunch status.

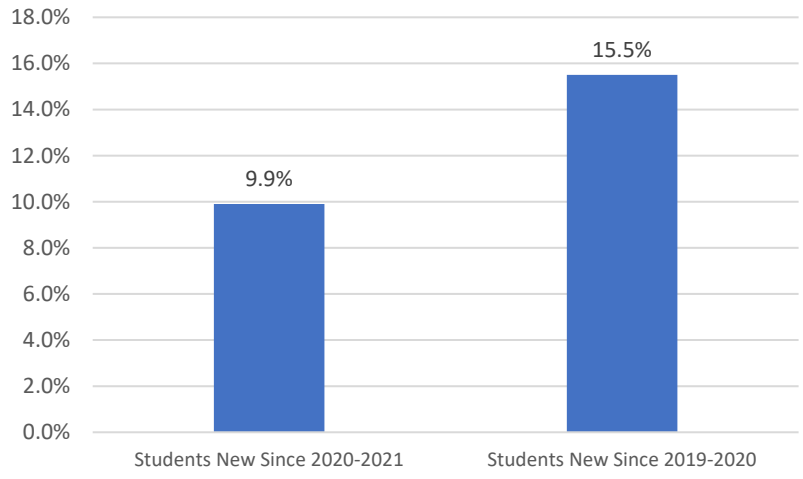
Mobility by School. This graph disaggregates the mobility data by school.

Continuous Park Hill Enrollment Since Kindergarten. This graph shows the number of students in each grade level that have been Park Hill School District students for their entire school careers.

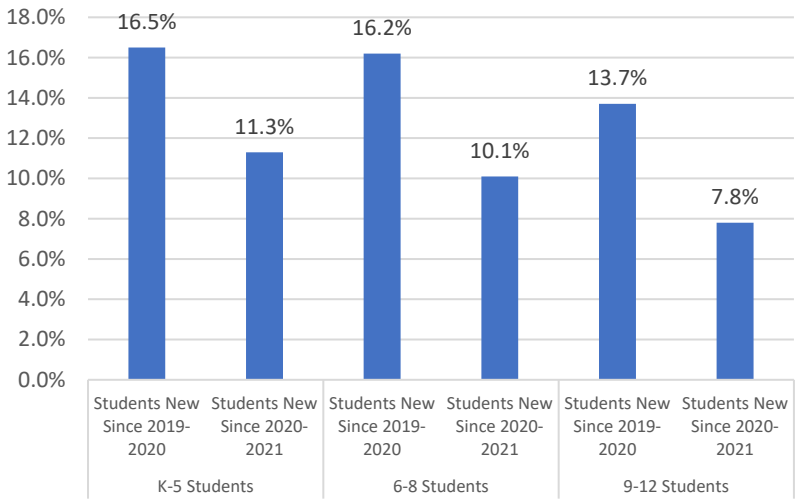
10-Year Historical Mobility of Students. This graph shows the 1- and 2-year mobility rate over the last 10 years.

DISTRICT MOBILITY

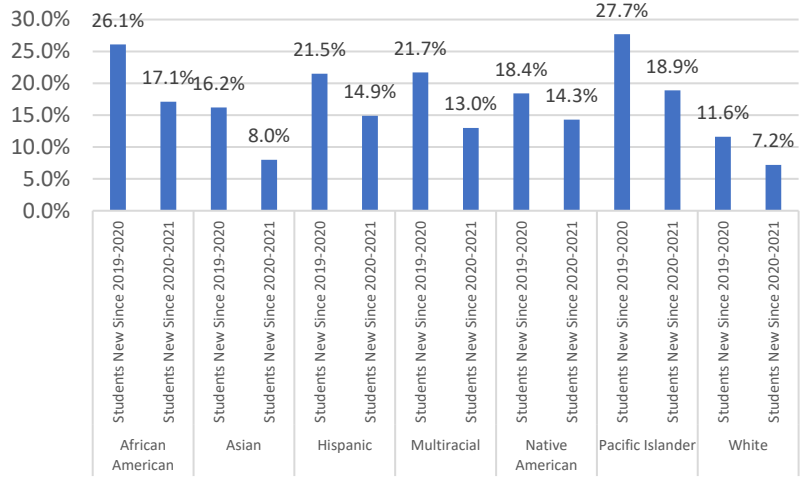
District Mobility



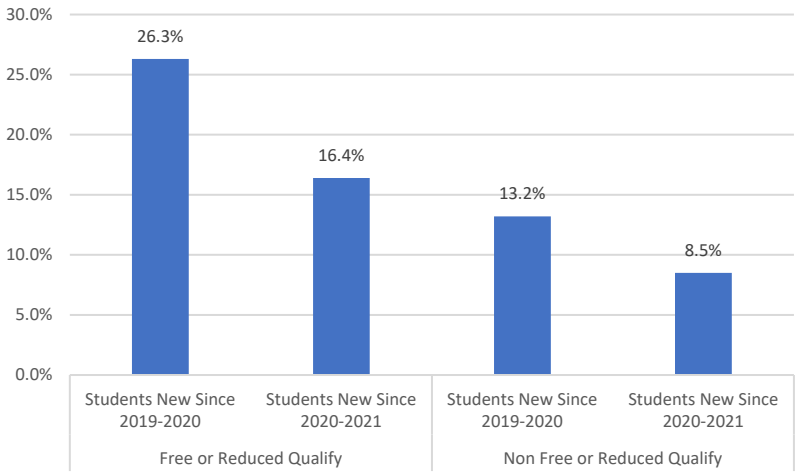
Mobility by Grade Span



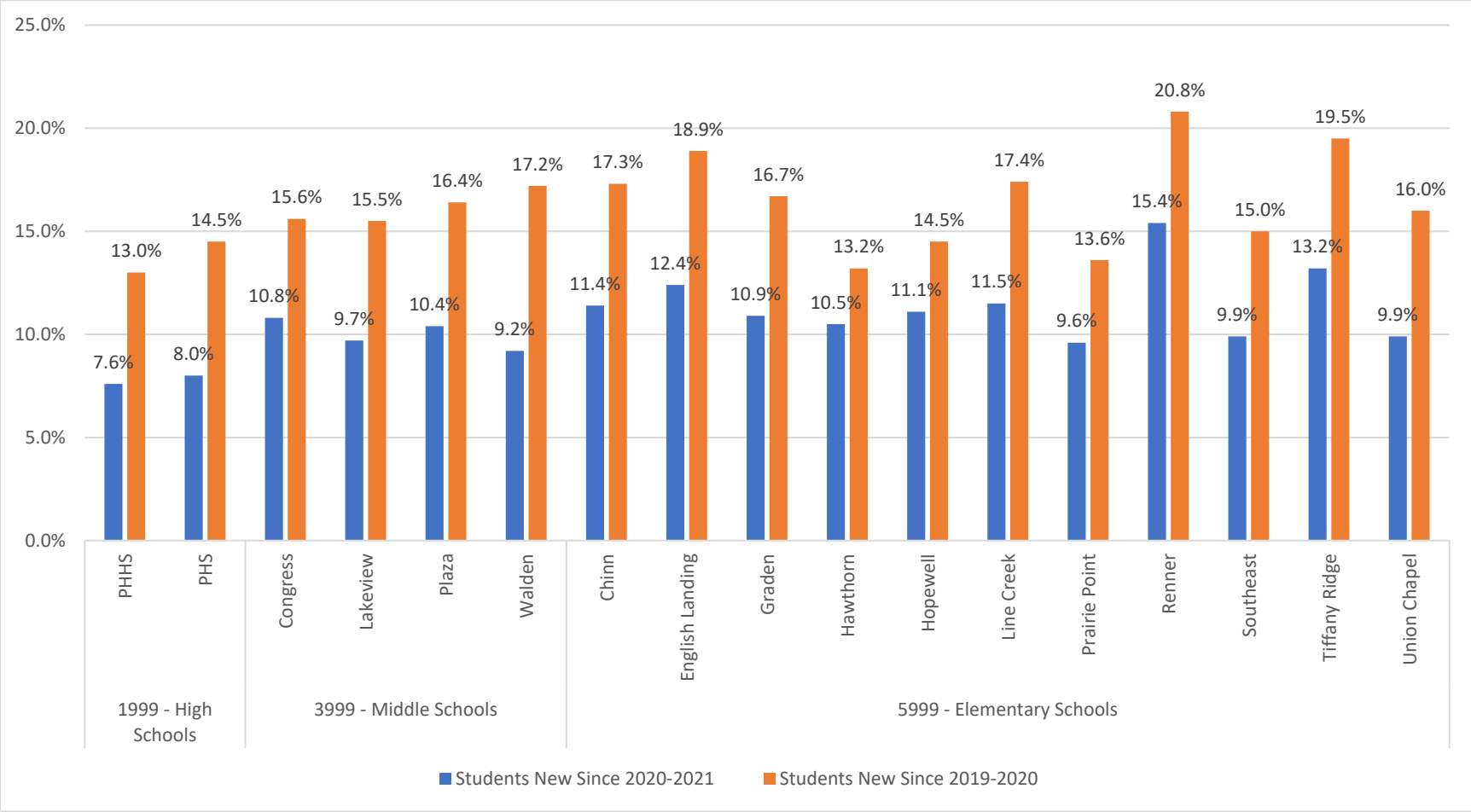
Mobility by Ethnicity



Mobility by Free and Reduced Lunch Status

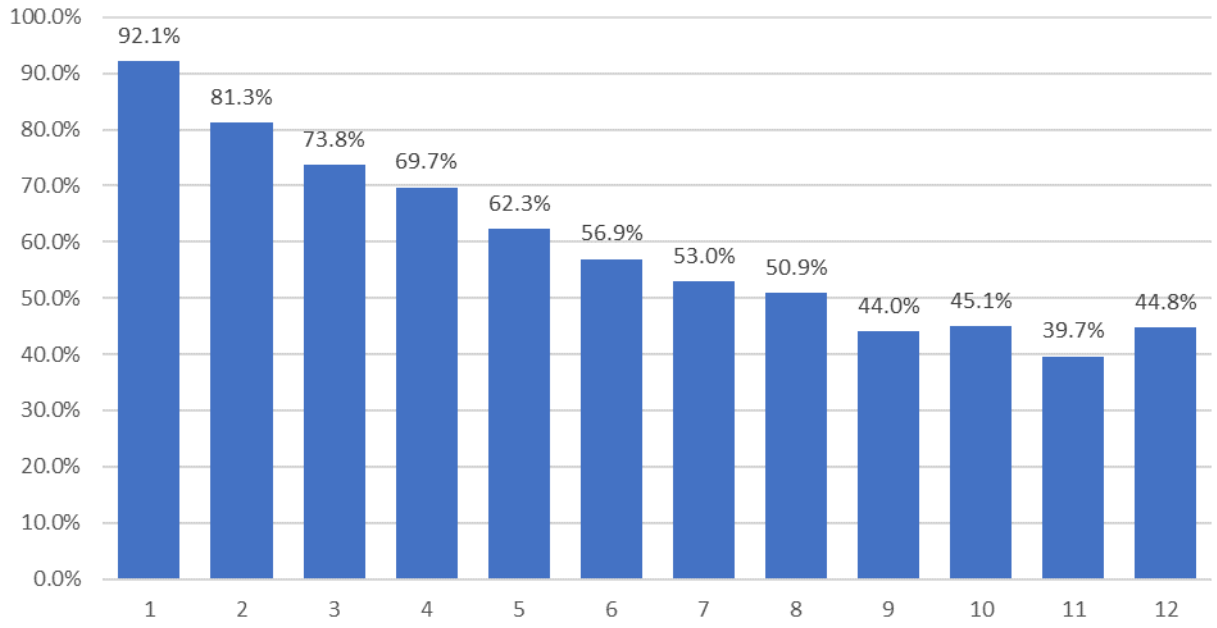


Mobility by School



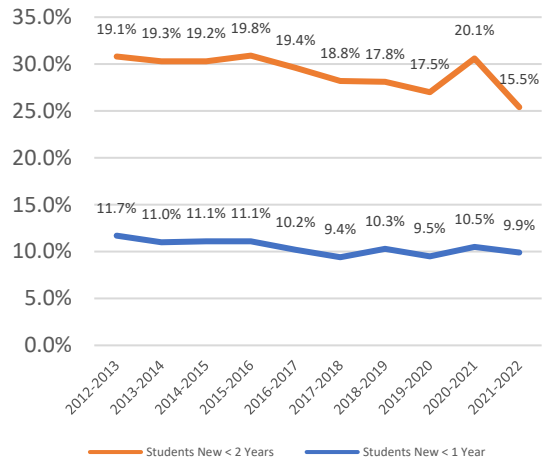
CONTINUOUS PARK HILL ENROLLMENT SINCE KINDERGARTEN (CURRENT YEAR)

The table below shows the percentage of each current grade level cohort that have been enrolled continuously since kindergarten. For example, 44.8% of the district's current 12th grade/senior class has been enrolled continuously in the school district since their kindergarten year.



10-YEAR HISTORICAL MOBILITY OF STUDENTS

School Year	Students in Park Hill School District < 1 Year	Students in Park Hill School District < 2 Years
2012-2013	11.7%	19.1%
2013-2014	11.0%	19.3%
2014-2015	11.1%	19.2%
2015-2016	11.1%	19.8%
2016-2017	10.2%	19.4%
2017-2018	9.4%	18.8%
2018-2019	10.3%	17.8%
2019-2020	9.5%	17.5%
2020-2021	10.5%	20.1%
2021-2022	9.9%	15.5%



SUPPORTING DEMOGRAPHIC DATA

PLATTE COUNTY LIVE BIRTHRATES AND KINDERGARTEN ENROLLMENTS

COLLECTING BIRTHRATE DATA

Birthrate data is collected for Platte County by the Missouri Department of Health and is utilized in projecting future kindergarten class sizes. Although not all Platte County births ultimately attend Park Hill schools (four public school districts service families in Platte County), there has been a historical link between the live birthrate in the county, and the subsequent kindergarten enrollment. For example, births between August 2013 – July 2014 yielded one the highest number of births that Platte County had ever seen (1,121), and subsequently yielded Park Hill School District's largest kindergarten class during the 2019-2020 school year (865). This cohort will continue to grow as they move through their educational careers in Park Hill – a phenomenon known as "cohort growth".

The kindergarten class of 2021-2022 is 822 students and represents an increase in the kindergarten class from 2020-201 (+11). The percentage of Platte County births compared to kindergarten enrollment five years later continues to fall within the range of 67-73%, currently at a five-year average of 72.5%.

BIRTHRATE AND KINDERGARTEN CLASS SIZE DATA

The table below lists the Platte County birth data and corresponding kindergarten enrollment (5 years later).

Birth Date Range	Platte County Live Births	Increase	Kindergarten Year	Park Hill Kindergarten Enrollment	% of Platte County Live Births as Students in PHSD Kindergarten Class	Kindergarten Increase
August, 2004 - July, 2005	1,090		2010-2011	744	68.3%	
August, 2005 - July, 2006	1,086	-3	2011-2012	752	69.2%	8
August, 2006 - July, 2007	1,082	-5	2012-2013	771	71.3%	19
August, 2007 - July, 2008	1,091	9	2013-2014	788	72.2%	17
August, 2008 - July, 2009	1,088	-2	2014-2015	822	75.5%	34
August, 2009 - July, 2010	1,129	41	2015-2016	851	75.4%	29
August, 2010 - July, 2011	1,158	28	2016-2017	792	68.4%	-59
August, 2011 - July, 2012	1,147	-11	2017-2018	831	72.5%	39
August, 2012 - July, 2013	1,138	-8	2018-2019	818	71.9%	-13
August, 2013 - July, 2014	1,121	-17	2019-2020	865	77.2%	47
August, 2014 - July, 2015	1,159	38	2020-2021	811	69.9%	-54
August, 2015 - July, 2016	1,225	66	2021-2022	822	67.1%	11

HOUSEHOLD DATA

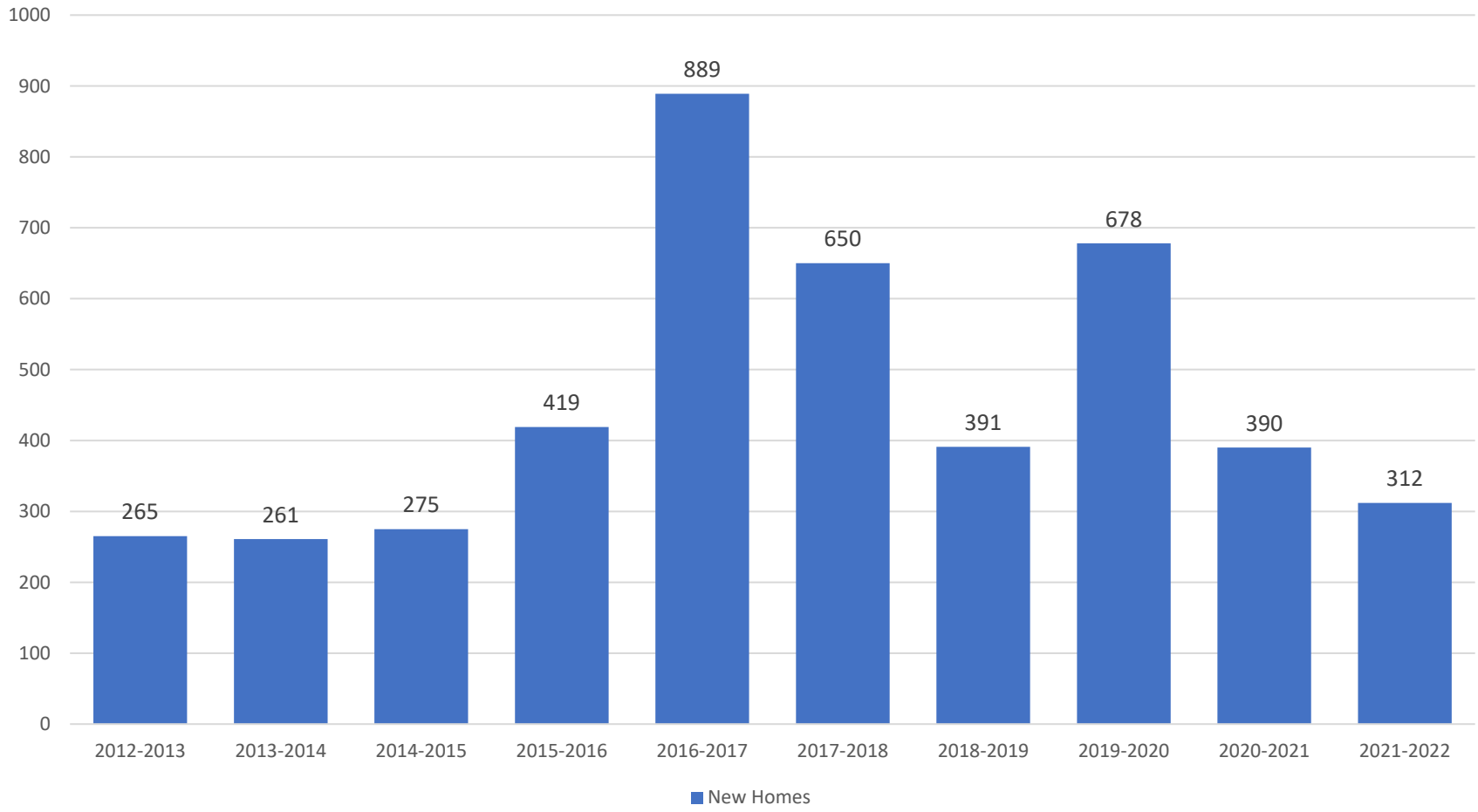
New households within the Park Hill School District communities are calculated through review of monthly reports submitted to the district by the Home Builders Association of Greater Kansas City, Platte County (Permit Reports), and the Kansas City Planning and Development Department. Households are classified as either single-family residences, or multi-family residences. Multi-family residences include duplexes, four-plexes and apartment complexes.

As of 2021-2022, the communities that make up the Park Hill School District includes 33,943 households. This equates to approximately 0.35 school-aged (K-12) children per household. Households have steadily increased over the last five years as more residential development has occurred. Since 2018, the district has seen an annual increase in new households at approximately 480 new households per year. In 2022, 312 new households were constructed, reflecting the lowest number of new households since 2014 (275). New home construction in the Park Hill School District is consistent with the metropolitan Kansas City area.

The next page includes the graph:

New Households within the School District – 10-Year History. This graph shows the number of new homes constructed within the school district over the last ten years.

NEW HOUSEHOLDS WITHIN THE SCHOOL DISTRICT – 10-YEAR HISTORY



SCHOOL-AGE CHILDREN WITHIN PARK HILL SCHOOL DISTRICT HOUSEHOLDS

The number of students per household in the Park Hill School District has remained steady over the last decade. The table below shows data from the last ten years, with the number of households in the Park Hill School District in 2021-2022 at 33,943.

As of 2021-2022, **each Park Hill household yields 0.3445 K-12 students**, or approximately 1 student per every 3 households. The number of K-12 students per household in the district has remained between 0.348 to 0.363 over the last ten years.

School Year	**District Enrollment**	**Households in PHSD**	**Students Per Household**
2011-2012	10257	29413	0.3487
2012-2013	10408	29678	0.3507
2013-2014	10467	29939	0.3496
2014-2015	10684	30214	0.3536
2015-2016	11069	30633	0.3613
2016-2017	11240	31522	0.3566
2017-2018	11458	32172	0.3561
2018-2019	11611	32563	0.3566
2019-2020	11707	33241	0.3522
2020-2021	11692	33631	0.3477
2021-2022	11695	33943	0.3445
		3 Year Average	**0.3481**
		5 Year Average	**0.3513**
		7 Year Average	**0.3534**

FUTURE ENROLLMENT PROJECTIONS

One benefit to tracking district enrollment trends is the ability to utilize the trend data to project future enrollment. Predicting future enrollment is an important piece in many school processes: long-range planning, budgeting, staffing, and predicting future building and capital needs. The Park Hill School District has utilized two methods to predict future enrollment – cohort growth and household construction patterns.

These tools allow for four projection models (3-Year Cohort, 5-Year Cohort, 7-Year Cohort, Household Construction) that create an anticipated range of enrollment for future years.

PROJECTION METHODS

COHORT SURVIVAL MODEL

Three of the four models of projecting student enrollment for future years involve the use of "cohort survival." Cohort survival is a measure of the rate at which students grouped by grade level pass into the next grade level a year later. For example, in 2017-2018 Park Hill School District's class of 2nd graders was 914. A year later, this class became a third-grade class of 923. Using this example, the rate of cohort survival (0.98% increase) is calculated in the following way:

$$(894-879)/879 = 0.98\%$$

The 0.98% increase is a measure of the likelihood our second-grade class will become larger or smaller as the class passes into the third grade the following year.

To minimize the effects of an exceptional year, three-, five- and seven-year cohorts are calculated by averaging the cohort survival for three-, five- and seven-years respectively. The following tables show how three-year, five-year, and seven-year cohort survival averages are calculated.

3-YEAR COHORT PROJECTION METHOD

To determine projections based upon the three-year cohort, the three-year cohort survival rate is calculated for each grade level, and these rates are added to the previous year's enrollment. For example, projections for the 1st grade class of 2022-2023 are based upon the 2021-2022 kindergarten enrollment (a known value of 822) and the survival rate of the last three years in which a kindergarten class has become 1st graders (+1.4%).

Therefore, the projection for the 2022-2023 1st grade class using this method is 834 students [*822 + (822 x 1.4%) = 834*].

Kindergarten to First Grade

3-Year Cohort Growth

	School Year	Students in First Grade	Students in Kindergarten in Prior Year	% Increase
3 Years of Known Values	2019-2020	825	818	0.9%
	2020-2021	863	865	-0.2%
	2021-2022	842	811	3.8%
		2,530	**2,494**	**1.4%**

Projections for subsequent years are calculated using the same three-year cohort survival rates for each grade level.

5-YEAR COHORT PROJECTION METHOD

To determine projections based upon the five-year cohort, the five-year cohort survival rate is calculated for each grade level, and these rates are added to the previous year's enrollment. For example, projections for the 2022-2023 6th grade class is based upon the 2021-2022 5th grade enrollment (a known value of 878) and the survival rate of the last five years in which an 6th grade class becomes the 7th grade class (+1.6%). Therefore, the projection for the 2022-2023 6th grade class using this method is 892 students [*878 + (878 x 1.6%) =892]*.

5th Grade to 6th Grade

5-Year Cohort Growth

	School Year	Students in 6th Grade	Students in 5th Grade in Prior Year	% Increase
5 Years of Known Values	2017-2018	874	865	1.0%
	2018-2019	914	905	1.0%
	2019-2020	946	892	6.1%
	2020-2021	936	933	0.3%
	2021-2022	937	940	-0.3%
		4,607	**4,535**	**1.6%**

7-YEAR COHORT PROJECTION METHOD

To determine projections based upon the seven-year cohort, the seven-year cohort survival rate is calculated for each grade level, and these rates are added to the previous year's enrollment. For example, projections for the 2022-2023 9th grade class is based upon the 2021-2022 8th grade enrollment (a known value of 958) and the survival rate of the last seven years in which an 8th grade class becomes the 9th grade class (+7.5%). Therefore, the projection for the 2022-2023 9th grade class using this method is 1,030 students [*958 + (958 x 7.5%) =1030]*.

8th Grade to 9th Grade

7-Year Cohort

	School Year	Students in Ninth Grade	Students in 8th Grade in Prior Year	% Increase
7 Years of Known Values	2015-2016	951	865	9.9%
	2016-2017	927	866	7.0%
	2017-2018	950	892	6.5%
	2018-2019	944	869	8.6%
	2019-2020	911	848	7.4%
	2020-2021	965	912	5.8%
	2021-2022	989	920	7.5%
		6,637	**6,172**	**7.5%**

Projections for subsequent years are calculated using the same seven-year cohort survival rates for each grade level.

COHORT INDICES

The chart below represents the indices used to project growth from one grade level to the next, utilizing 3-year and 7-year cohort figures. These are current values utilizing data from 2011-2012 to 2021-2022 enrollments.

Cohort Movement	3 Year Cohort Growth Index	5 Year Cohort Growth Index	7 Year Cohort Growth Index
K-1	2.12%	2.58%	2.73%
1-2	1.82%	1.30%	1.98%
2-3	-0.61%	0.25%	0.69%
3-4	1.60%	1.89%	2.02%
4-5	1.88%	1.59%	2.22%
5-6	0.51%	1.69%	1.60%
6-7	0.71%	1.63%	2.90%
7-8	0.43%	0.26%	0.11%
8-9	6.81%	7.28%	7.13%
9-10	-1.99%	-1.60%	-1.85%
10-11	-1.45%	-1.63%	-1.14%
11-12	-0.92%	-1.70%	-1.57%

PREDICTING BIRTHRATES

One challenge posed in using cohort survival as a projection method is estimating the size of the kindergarten class in future years. Since cohort survival cannot be calculated for the kindergarten class (no class comes before it in previous years), Platte County birthrates are used to estimate the kindergarten class size each year. Over the last three years, an average of 71.3% of births in Platte County (known as "live births") have attended kindergarten in Park Hill School District schools five years later. For example, in August,2015 through July, 2016 Platte County reported 1,225 live births. Five years later, in school year 2021-2022, 822 kindergarten students were enrolled in Park Hill School District.

Using known values for Platte County birthrates in August, 2016 through July, 2019, kindergarten enrollment for school years 2022-2023 through 2024-2025 can be estimated based upon known birthrates. To calculate this, a regression with live birth as the dependent variable and change per year as the independent variable is utilized to produce a growth curve model that takes into account the non-linear change pattern.

Kindergarten enrollment estimations past the school year 2024-2025 cannot be calculated based upon known births (these children have not yet been born). Values for these kindergarten enrollments are based upon a predicted number of children born in Platte County. To predict this, the same growth curve explained above is used and a regression using kindergarten enrollment as the dependent variable and live births and current year as the independent variable is made. Projections made from 3 years of birth data are input into the 3-year cohort projection model, 5 years if birth data are input into the 5-year cohort projection model, and projections made from 7 years of birth data are included in the 7-year cohort projection model.

KINDERGARTEN CLASS SIZE PROJECTIONS

School Year	3-Years of Data	5-Years of Data	7-Years of Data
2022-2023	865.0	865.0	865.0
2023-2024	860.0	864.4	865.1
2024-2025	865.8	870.1	870.9
2025-2026	871.7	869.7	884.9
2026-2027	879.3	868.5	900.1
2027-2028	888.2	869.8	912.0
2028-2029	896.0	870.2	923.0
2029-2030	904.9	871.5	935.0
2030-2031	910.6	869.9	943.8
2031-2032	919.5	871.3	955.9

Using these projection models, the kindergarten class size for 2023-2024 is projected to be between 860 (3-Year Projection) and 865 (7-Year Projection) students.

HOUSEHOLD PROJECTIONS METHOD

Enrollment projections, based on households, also provides an opportunity to determine student enrollment. By dividing the number of school-age children (currently 11,696) into the number of homes in the school district (33,943), the average number of school-age children per household can be calculated. The 2021-2022 rate is 0.3445 students per household.

As the district continues to increase households, the number of students per household multiplied by the projected households will provide an enrollment projection. To make these projections the following steps are followed:

1. Project the number of households in the Park Hill School District based upon historical growth.
2. Project the number of students per household based upon historical growth.
3. Calculate district enrollment based upon the above two projections.
4. Distribute the enrollment across grade levels based on historical distribution.

For the household projection method, the district is anticipating the new homes in each year and the students per household values as described in the following table. For these projections, a 5-year minimum of students per household is used (0.3445).

School Year	Projected Households	Students Per Household	Projected Enrollment
2022-2023	34,255		11,782
2023-2024	34,567	0.3445	11,911
2024-2025	34,879	0.3445	12,017
2025-2026	35,191	0.3445	12,126
2026-2027	35,503	0.3445	12,232
2027-2028	35,815	0.3445	12,340
2028-2029	36,127	0.3445	12,447
2029-2030	36,439	0.3445	12,555
2030-2031	36,751	0.3445	12,663
2031-2032	37,063	0.3445	12,770
2032-2033	37,375	0.3445	12,877

The following pages include the student enrollment projections described below:

Budget Year Enrollment Projections by School and Grade Level – Table. This table summarizes the enrollment projections used to estimate enrollment for the next school year.

Student Enrollment Projection Summary – Tables. These three tables summarize the grade span sizes projected for the next eleven years by three different methods.

Student Enrollment Projection Summary – Graph. This graph summarizes the grade span sizes for the current school year and projections for the next eleven years by three different methods.

STUDENT ENROLLMENT PROJECTIONS

BUDGET YEAR ENROLLMENT PROJECTIONS BY SCHOOL AND GRADE LEVEL

District staff has adopted the following enrollment projections for the 2022-2023 budget.

	K	1	2	3	4	5	6	7	8	9	10	11	12	Grand Total
5999 - Elementary Schools	**861**	**845**	**857**	**869**	**864**	**882**								**5,178**
4020 - Thomas B. Chinn Elementary	76	72	61	75	81	83								448
4040 - Graden Elementary	73	64	67	76	95	95								470
4060 - Line Creek Elementary	61	66	53	54	63	63								360
4080 - Alfred L. Renner Elementary	67	61	67	71	80	79								425
5000 - Southeast Elementary	93	97	83	80	79	88								520
5020 - Union Chapel Elementary	99	94	114	107	113	96								623
5040 - English Landing Elementary	72	79	82	69	78	73								453
5060 - Prairie Point Elementary	75	76	85	67	59	65								427
5080 - Hawthorn Elementary	76	79	71	92	72	66								456
5090 - Tiffany Ridge Elementary	89	85	78	92	79	83								506
5095 - Hopewell Elementary	80	72	96	86	65	91								490
3999 - Middle Schools							**890**	**957**	**941**					**2,788**
3000 - Lakeview Middle School							215	228	222					665
3030 - Congress Middle School							222	231	238					691
3050 - Plaza Middle School							222	243	240					705
3060 - Walden Middle School							231	255	241					727
1999 - High Schools										**1,024**	**966**	**920**	**855**	**3,765**
1020 - LEAD Innovation Studio										216	182	134	132	664
1050 - Park Hill High School										405	403	379	350	1,537
1080 - Park Hill South										403	381	407	373	1,564
6999 - K-12 Schools	**4**	**1**	**2**	**2**	**6**	**11**	**2**	**2**	**5**	**2**	**4**	**5**	**5**	**51**
6000 - Russell Jones Education Center	4	1	2	2	6	11	2	2	5	2	4	5	5	51
Grand Total	**865**	**846**	**859**	**871**	**870**	**893**	**892**	**959**	**946**	**1,026**	**970**	**925**	**860**	**11,782**

STUDENT ENROLLMENT PROJECTION SUMMARY – TABLES

Projections made from 3-Year Cohort Growth Data

Grade Level	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033
K	865	860	866	872	879	888	896	905	911	920	927
1	846	883	878	884	891	898	907	915	924	930	940
2	859	861	899	894	900	907	914	923	932	941	947
3	871	854	856	893	889	894	901	908	917	926	935
4	870	885	868	870	907	903	908	915	923	932	941
5	893	886	902	884	886	924	920	925	932	940	950
6	892	898	891	907	888	891	929	925	930	937	945
7	959	898	904	897	913	894	897	936	932	937	944
8	946	963	902	908	901	917	898	901	940	936	941
9	1,026	1,010	1,029	963	970	962	979	959	962	1,004	1000
10	970	1,006	990	1,009	944	951	943	960	940	943	984
11	925	956	991	976	994	930	937	929	946	926	929
12	860	917	947	982	967	985	921	928	920	937	918
Total	**11,782**	**11,877**	**11,923**	**11,939**	**11,929**	**11,944**	**11,950**	**12,029**	**12,109**	**12,209**	**12,301**

Projections made from 5-Year Cohort Growth Data

Grade Level	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033
K	865	864	870	870	868	870	870	872	870	871	872
1	846	887	886	892	892	890	892	892	894	892	893
2	859	857	899	898	904	904	902	904	904	906	904
3	871	861	859	901	900	906	906	904	906	906	908
4	870	888	877	875	918	917	923	923	921	923	923
5	893	884	902	891	889	933	932	938	938	936	938
6	892	908	899	917	906	904	949	948	954	954	952
7	959	907	923	914	932	921	919	964	963	970	970
8	946	962	909	925	916	934	923	921	967	966	973
9	1026	1015	1032	975	992	983	1002	990	988	1037	1036
10	970	1010	999	1016	959	976	967	986	974	972	1020
11	925	954	994	983	999	943	960	951	970	958	956
12	860	909	938	977	966	982	927	944	935	954	942
Total	**11,782**	**11,906**	**11,987**	**12,034**	**12,041**	**12,063**	**12,072**	**12,137**	**12,184**	**12,245**	**12,287**

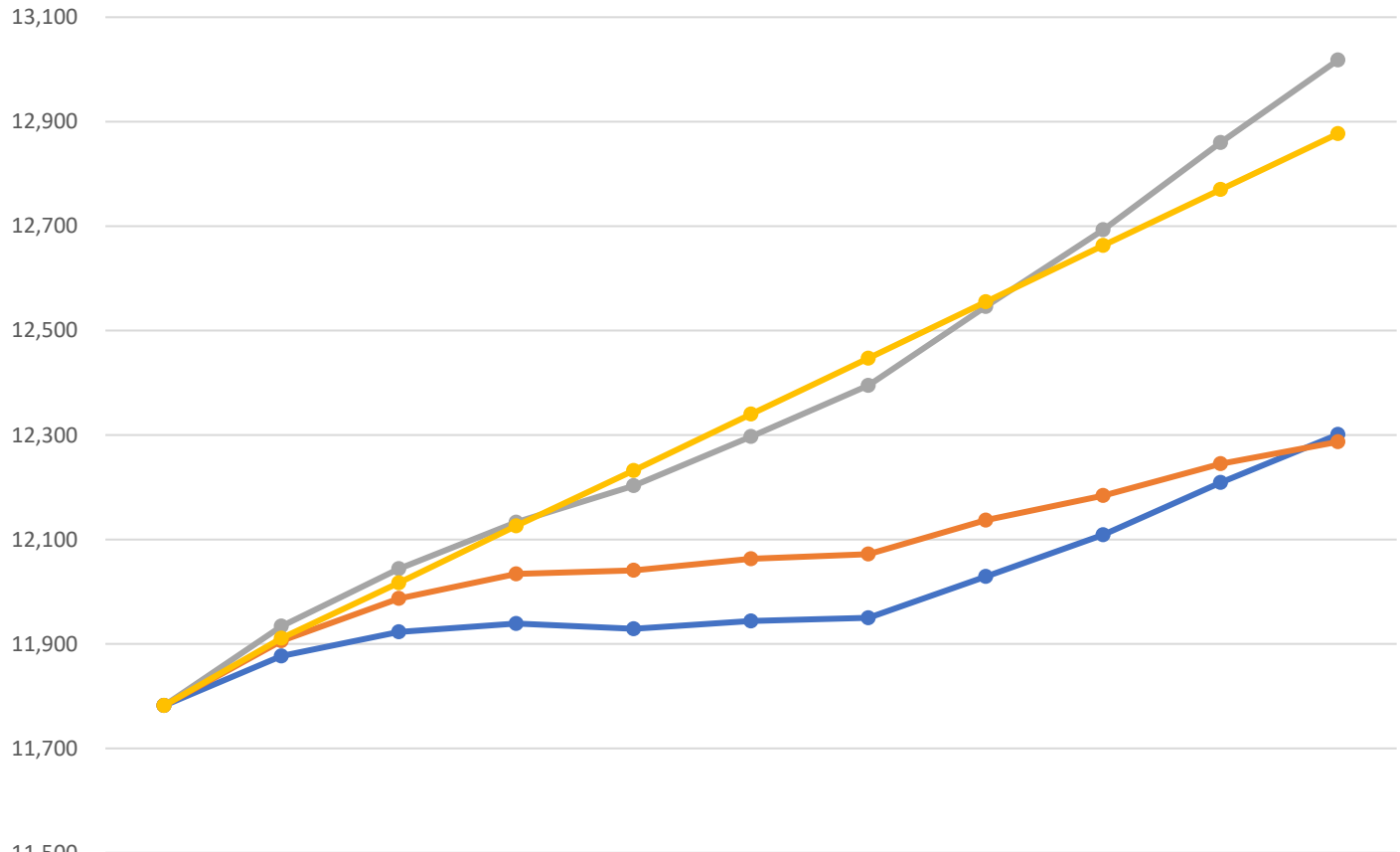
Projections made from 7-Year Cohort Growth Data

Grade Level	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033
K	865	865	871	885	900	912	923	935	944	956	967
1	846	889	889	895	909	925	937	948	961	970	982
2	859	863	907	907	913	927	943	956	967	980	989
3	871	865	869	913	913	919	933	950	963	974	987
4	870	889	882	887	931	931	938	952	969	982	994
5	893	889	909	902	907	952	952	959	973	991	1,004
6	892	907	903	924	916	921	967	967	974	989	1,007
7	959	918	933	929	951	943	948	995	995	1,002	1,018
8	946	960	919	934	930	952	944	949	996	996	1,003
9	1,026	1,013	1,028	985	1,001	996	1,020	1,011	1,017	1,067	1,067
10	970	1,007	994	1,009	967	982	978	1,001	992	998	1,047
11	925	959	996	983	997	956	971	967	990	981	987
12	860	910	944	980	968	981	941	956	952	974	966
Total	**11,782**	**11,934**	**12,044**	**12,133**	**12,203**	**12,297**	**12,395**	**12,546**	**12,693**	**12,860**	**13,018**

Projections made from Household Growth Data

Grade Level	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033
K	865	864	872	880	887	895	903	911	919	926	934
1	846	872	880	888	896	904	912	919	927	935	943
2	859	871	879	887	895	903	910	918	926	934	942
3	871	887	895	903	911	919	927	935	943	951	959
4	870	900	908	916	924	932	940	949	957	965	973
5	893	920	928	937	945	953	961	970	978	986	995
6	892	947	956	964	973	981	990	998	1,007	1,016	1,024
7	959	960	969	978	986	995	1,004	1,012	1,021	1,030	1,038
8	946	934	942	951	959	968	976	984	993	1,001	1,010
9	1,026	985	993	1,002	1,011	1,020	1,029	1,038	1,047	1,056	1,065
10	970	945	953	962	970	979	987	996	1,004	1,013	1,021
11	925	918	926	934	943	951	959	968	976	984	992
12	860	908	916	924	932	940	949	957	965	973	981
Total	**11,782**	**11,911**	**12,017**	**12,126**	**12,232**	**12,340**	**12,447**	**12,555**	**12,663**	**12,770**	**12,877**

STUDENT ENROLLMENT PROJECTION SUMMARY – GRAPH



	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033
3 Year Cohort Growth Model	11,782	11,877	11,923	11,939	11,929	11,944	11,950	12,029	12,109	12,209	12,301
5 Year Cohort Growth Model	11,782	11,906	11,987	12,034	12,041	12,063	12,072	12,137	12,184	12,245	12,287
7 Year Cohort Growth Model	11,782	11,934	12,044	12,133	12,203	12,297	12,395	12,546	12,693	12,860	13,018
Household Growth Model	11,782	11,911	12,017	12,126	12,232	12,340	12,447	12,555	12,663	12,770	12,877

FACILITY PLANNING

One use of student enrollment projections is to anticipate the need for additional school buildings. Although projections are not made for growth of each school, projections are made for each school level – elementary (kindergarten through 5th Grade), middle (6th through 8th Grade) and high school level (9th through 12th Grade). Also, facility needs for early childhood services (pre-kindergarten), students with special needs, and support services are also influenced by enrollment growth. Projections when each level will reach effective capacity can be anticipated through the use of planning criteria.

PLANNING CRITERIA

In the Fall, 2014, the Board of Education approved a set of facility planning criteria to assist the district in preparing for future space and/or facility needs. The 19 criteria were each tied to a Comprehensive School Improvement Plan (CSIP) goal, which form the foundation of the district's strategic plan. The criteria and CSIP goal alignment are detailed below.

21st Century Learning. We will continue to improve how we educate our learners. Our district will seek out new opportunities to teach and model to our students the effective use of technology to support learning, collaboration, critical thinking, and problem-solving skills.

Grade Configurations. We will provide grade configurations that ensure educational success through (1) minimizing the number of student transitions between district attendance centers; (2) seeking to streamline district feeder patterns to build a greater sense of tradition and community; and (3) identifying grade configurations that encourage and foster relationships between students, teachers, administrators and parents.

Specialized Spaces. We value diverse opportunities for each learner. Specialized and innovative facilities will be provided that support instruction of core curriculum, electives, student activities and athletics to ensure that each student is provided a balanced learning experience. Specialized spaces may include, but are not limited to, science labs, music rooms, auditoriums, media centers, gymnasiums, and athletic fields.

Special Education. We will provide appropriately designed and equipped spaces for each learner.

Student-Teacher Ratio. We will provide effective student-teacher ratios based on district standards and Missouri Department of Elementary and Secondary Education recommendations for considering building capacities and staffing.

Maintain Quality Facilities. We will provide quality facilities to our students through ongoing maintenance, renovations and repurposing of existing facilities.

Early Childhood Programming. We will continue to provide an early childhood education program to address the learning needs of young children and to prepare them for future success.

Safety and Security. We will include safety and security features in our building projects that help staff and students respond to natural disasters, potential violent acts and general supervision.

Temporary Classrooms. For educational, financial and safety reasons, we will not consider mobile or other temporary classrooms as a long-term solution to growth in enrollment or programs.

Land Requirements for Schools. We will plan for the purchase of land for new and existing facilities prior to need.

- Elementary Schools: 14-20 acres (provide 10-15 acres, plus one acre for every 100 students)
- Middle Schools: 26-40 acres (provide 20-30 acres, plus one acre for every 100 students)
- High Schools: 40-55 acres (provide 30-40 acres plus one acre for every 100 students, and consider an additional 40 acres for competitive playfields and parking)

These are consistent with local school planning standards.

Appropriate Areas for Learning. We will provide appropriate space for each learner based upon a local, regional and national set of standards. Standards have been set at the following:

- High Schools: 175 square foot per learner
- Middle Schools: 150 square foot per learner
- Elementary Schools: 120 square foot per learner
- District Wide: 145 square foot per learner

The standards are consistent with *Council of Educational Facility Planners International* and recent school construction projects.

School Size. We will establish effective school size based upon research, community input and the maximization of existing resources. Standards have been set at the following:

- High Schools: 1,200 to 1,800 students
- Middle Schools: 500 to 900 students
- Elementary Schools: 400 to 650 students

Partnering for Success. We will look for opportunities to maximize student academic success through partnerships with external organizations such as post-secondary, technical trade, business, non-profit and civic organizations.

Recruit, Retain and Develop Staff. We will deploy strategies to recruit, retain and develop the highest quality staff that create the highest quality students. Needs for specialized environments for training, coaching and collaboration for 21st century learning will be considered.

Technology. We will address strategies to maintain and improve technology hardware, software, training, delivery, dependability and the security of data to support students and staff.

Support Service. We will demonstrate operational effectiveness and address district growth by providing quality support services, such as Nutrition Services, Transportation, Maintenance and Operations, Technology, and community use of facilities.

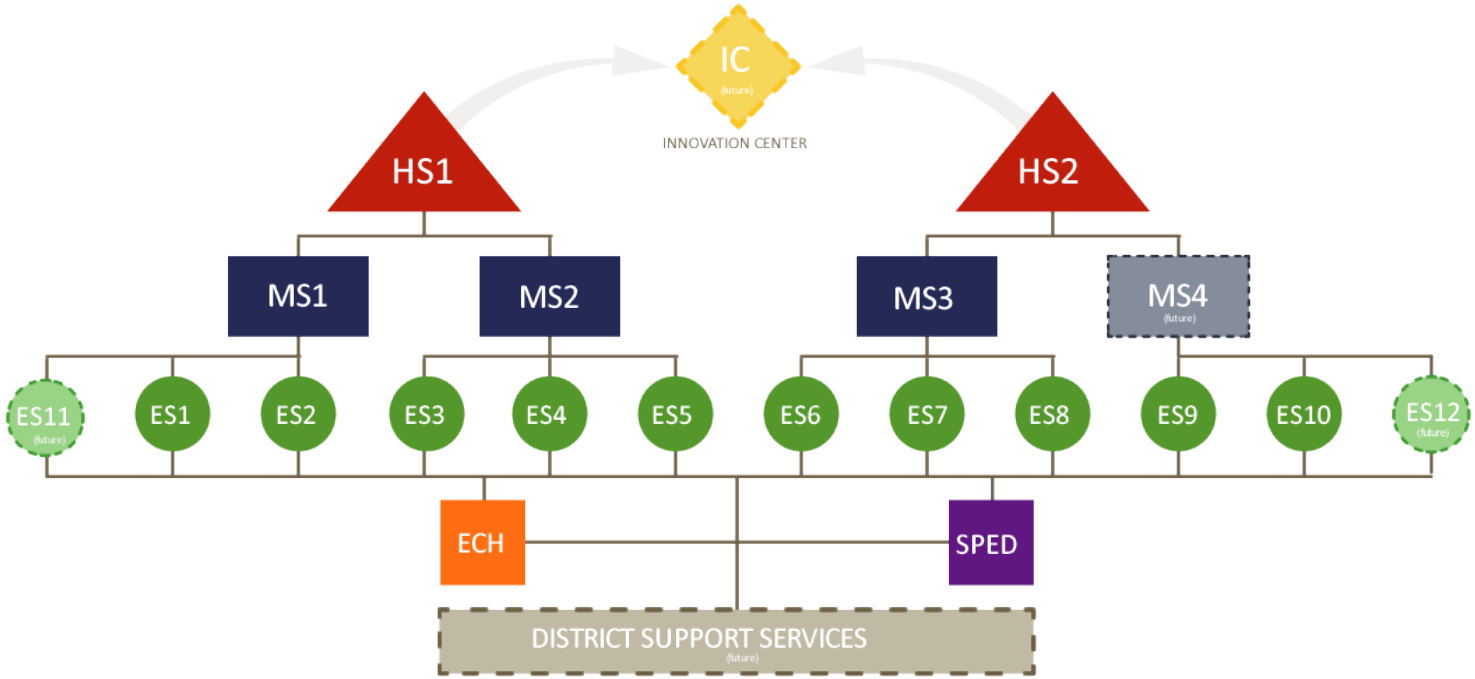
Financial Stewardship. We will seek out strategies to minimize the overall cost of financing capital improvements. Broad considerations of costs related to both short- and long-term debt and potential "no-tax-increase" bond issues will be integrated into planning strategies.

Focus on Long-Term Value. We will emphasize long-term value when designing, constructing and renovating district facilities. Decisions will be based on return-on-investment and life cycle methodologies and long-term maintainability and sustainability.

Future Enrollment. We will use current and historical data in association with proven enrollment projection methodologies to forecast future district enrollment growth.

LONG-RANGE FACILITY PLAN

In the Spring, 2015, the Park Hill Board of Education adopted the following plan to address future space needs brought on by the projected enrollment growth over the next ten years. The plan entailed the construction of a facility for support services, the addition of two elementary schools, the addition of a Middle School, and additional classroom space for high school programming.



SCHOOL CAPACITY ANALYSIS

In educational planning, one way to calculate building capacity is based upon gross square footage per student calculations. The *Council of Educational Facility Planners International* (CEFPI) and other organizations and states have created standards for the amount of gross square footage needed within schools to effectively maintain the educational programming demands of today's schools. The gross square footage standards in the table below have been established based upon standards published by CEFPI, and from a review of state and local standards on construction of new facilities for each grade span. These square footage standards have been adopted by the Park Hill School District Board of Education in the Facility Planning – Planning Criteria.

School Type	Target Square Footage Per Student "Effective Capacity"	Highest Limit Square Footage Per Student "Efficiency Capacity"	Lower Limit Square Footage Per Student "Functional Capacity"
Elementary Schools	120	129	111
Middle Schools	150	165	135
High Schools	175	197	153
Support Services	12	14	10

Target square footage per student capacities are listed above as "Effective Capacity". Ranges have been established around the target and defined as "Efficiency Capacity" which is the upper limit of space needed per student before the space available exceeds what is needed, and the "Functional Capacity" which is the lower limit of square footage per student before the operation of the school and programs is hindered by lack of space.

CURRENT FACILITY CAPACITY

The following table details the anticipated square footage in each Park Hill facility for the 2022-2023 school year and the budgeted program enrollment for the 2022-2023 school year. Percent utilization refers to the ratio of projected students to the effective capacity of the school as measured by the district's square footage standards described on the prior page. In addition, each grade span is totalled to better understand the overall district condition for each grade level.

ELEMENTARY SCHOOLS

School	Gross Square Feet	Temporary Square Feet (Mobile Classrooms)	Total Square Footage	Budgeted Program Enrollment	Effective Student Capacity Standard	School Effective Student Capacity	Percent Utilization
4020 - Thomas B. Chinn Elementary	60,434	1,536	61,970	448	120	516	86.8%
4040 - Graden Elementary	53,374	0	53,374	470	120	445	105.6%
4060 - Line Creek Elementary	48,333	0	48,333	360	120	403	89.3%
4080 - Alfred L. Renner Elementary	48,617	1,536	50,153	425	120	418	101.7%
5000 - Southeast Elementary	54,422	1,536	55,958	520	120	466	111.6%
5020 - Union Chapel Elementary	55,582	6,144	61,726	623	120	514	121.2%
5040 - English Landing Elementary	60,003	0	60,003	453	120	500	90.6%
5060 - Prairie Point Elementary	64,360	0	64,360	427	120	536	79.7%
5080 - Hawthorn Elementary	63,868	1,536	65,404	456	120	545	83.7%
5090 - Tiffany Ridge Elementary	70,842	1,536	72,378	506	120	603	83.9%
5095 - Hopewell Elementary	71,000	0	71,000	490	120	592	82.8%
TOTAL	**650,835**	**13,824**	**664,659**	**5,178**	**120**	**5,538**	**93.5%**
TOTAL Excluding Mobile Units	**650,835**		**650,835**	**5,178**	**120**	**5,423**	**95.4%**

MIDDLE SCHOOLS

School	Gross Square Feet	Temporary Square Feet (Mobile Classrooms)	Total Square Footage	Budgeted Program Enrollment	Effective Student Capacity Standard	School Effective Student Capacity	Percent Utilization
3000 - Lakeview Middle School	119,681	0	119,681	665	150	798	83.3%
3030 - Congress Middle School	121,877	0	121,877	691	150	813	85.0%
3050 - Plaza Middle School	114,941	0	114,941	705	150	766	92.0%
3060 - Walden Middle School	115,253	0	115,253	727	150	768	94.7%
TOTAL	**471,752**	**0**	**471,752**	**2,788**	**150**	**3,145**	**88.6%**

HIGH SCHOOLS

School	Gross Square Feet	Temporary Square Feet (Mobile Classrooms)	Total Square Footage	Budgeted Program Enrollment	Effective Student Capacity Standard	School Effective Student Capacity	Percent Utilization
1020 - LEAD Innovation Studio	79,000	0	79,000	664	175	451	147.2%
1050 - Park Hill High School	284,101	3,072	287,173	1,537	175	1,641	93.7%
1080 - Park Hill South	265,192	0	265,192	1,564	175	1,515	103.2%
TOTAL	**628,293**	**3,072**	**631,365**	**3,765**	**175**	**3,607**	**104.4%**

FUTURE ENROLLMENT PROJECTIONS BY GRADE SPAN

The table below shows enrollment projections for the following ten years. The highlighted values in the Elementary section indicate enrollments that exceed the 100% utilization mark for the total gross square footage in each school (5,423). The High School enrollments have been highlighted in the year in which all three projection models show the high school enrollment over 4,000 district high school students. Middle Schools have not been highlighted based on projected enrollments not exceeding 100% utilization of all Middle Schools within the projection window (3,145).

Grade Span / Label	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033
5000 - ELEMENTARY SCHOOLS											
3 Year Cohort Growth Model	5,204	5,229	5,269	5,297	5,352	5,414	5,446	5,491	5,539	5,589	5,640
5 Year Cohort Growth Model	5,204	5,241	5,293	5,327	5,371	5,420	5,425	5,433	5,433	5,434	5,438
7 Year Cohort Growth Model	5,204	5,260	5,327	5,389	5,473	5,566	5,626	5,700	5,777	5,853	5,923
Household Growth Model	5,204	5,314	5,362	5,411	5,458	5,506	5,553	5,602	5,650	5,697	5,746
3000 - MIDDLE SCHOOLS											
3 Year Cohort Growth Model	2,797	2,759	2,697	2,712	2,702	2,702	2,724	2,762	2,802	2,810	2,830
5 Year Cohort Growth Model	2,797	2,777	2,731	2,756	2,754	2,759	2,791	2,833	2,884	2,890	2,895
7 Year Cohort Growth Model	2,797	2,785	2,755	2,787	2,797	2,816	2,859	2,911	2,965	2,987	3,028
Household Growth Model	2,797	2,841	2,867	2,893	2,918	2,944	2,970	2,994	3,021	3,047	3,072
1000 - HIGH SCHOOLS											
3 Year Cohort Growth Model	3,781	3,889	3,957	3,930	3,875	3,828	3,780	3,776	3,768	3,810	3,831
5 Year Cohort Growth Model	3,781	3,888	3,963	3,951	3,916	3,884	3,856	3,871	3,867	3,921	3,954
7 Year Cohort Growth Model	3,781	3,889	3,962	3,957	3,933	3,915	3,910	3,935	3,951	4,020	4,067
Household Growth Model	3,781	3,756	3,788	3,822	3,856	3,890	3,924	3,959	3,992	4,026	4,059

FUTURE DISTRICT GROWTH TRENDS

The school district also monitors population trends within the entire community to assist in long-range planning. By looking at current and projected trends in the populations of school-aged children, child bearing females, and the entire population, critical decisions can be made regarding future programming demands, as well as facility neeeds.

The next section includes the following maps:

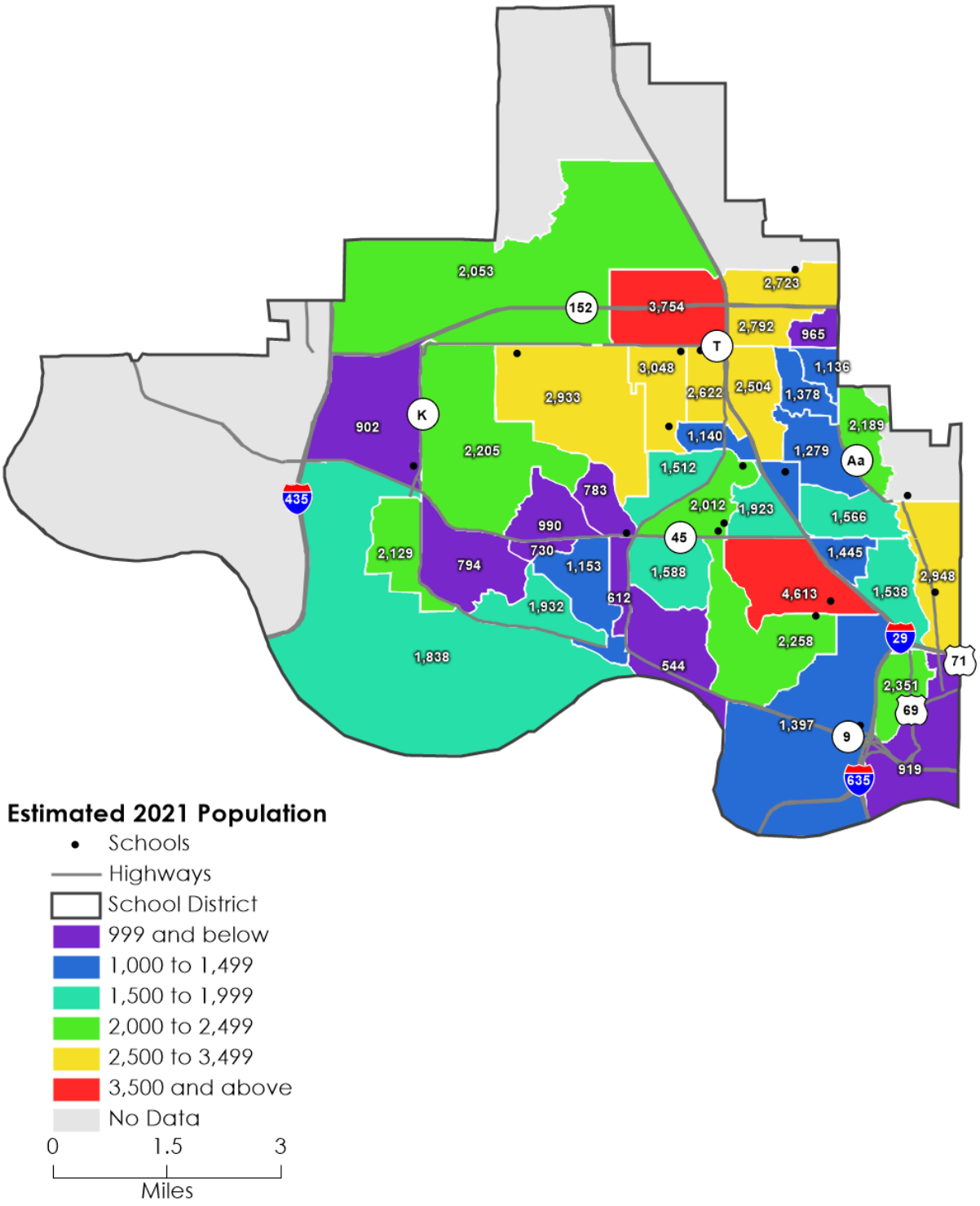
Estimated Population of the Park Hill School District Community. This map shows the estimated population density by census block within the school district. A census block group is a geographical unit used by the United States Census Bureau. It is the smallest geographical unit for which the bureau publishes sample data, i.e. data which is only collected from a fraction of all households.

Estimated Rate of Change in Population. This map shows the projected change in total population by census block group within district boundaries over ten years.

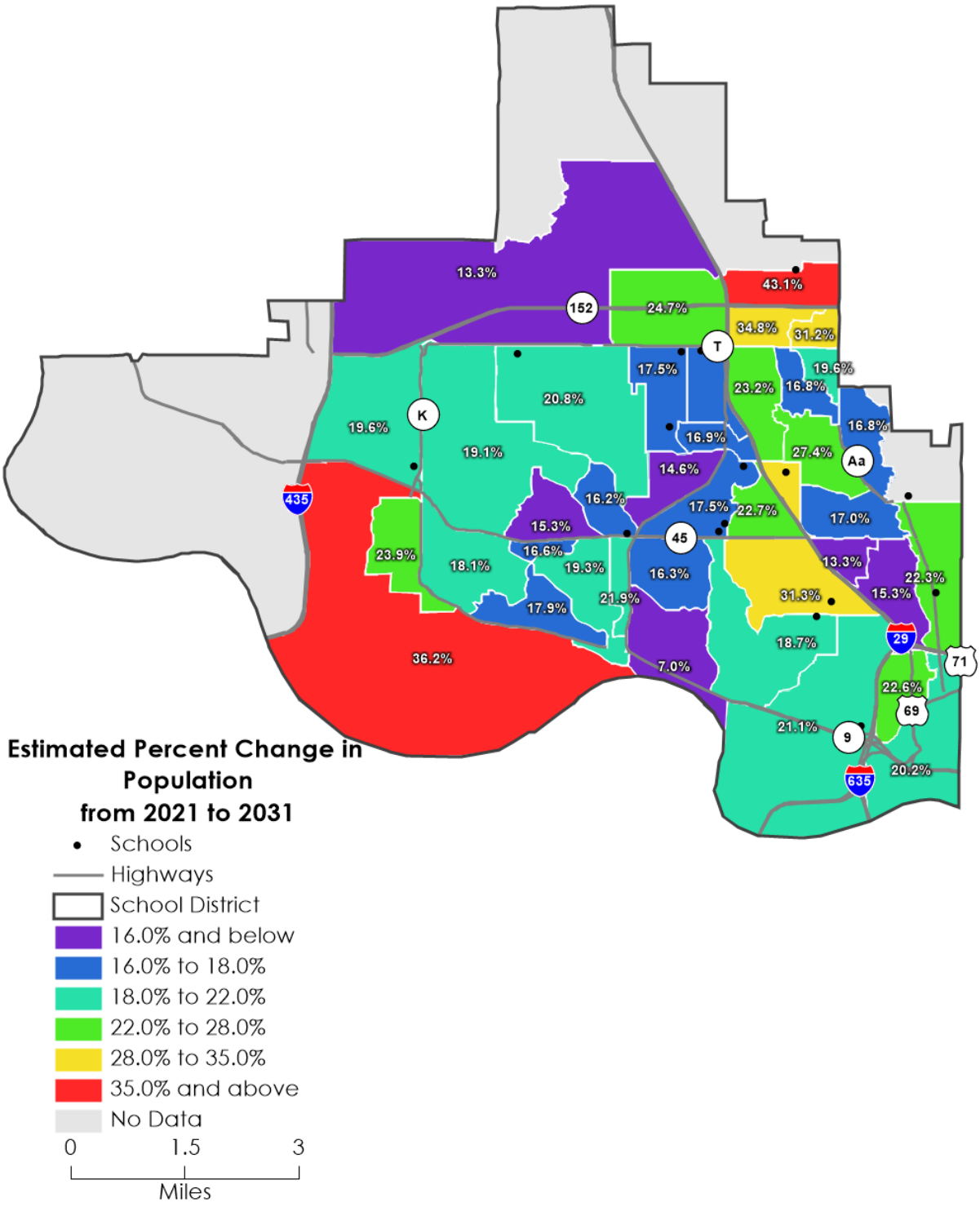
Estimated Children Under the Age of 5. This map shows the estimated population of children under the age of 5 with each census block.

Estimated Change in the Number of Children Under the Age of 5 This map shows the projected change in the number of children less than five years of age population by census block group within district boundaries over ten years.

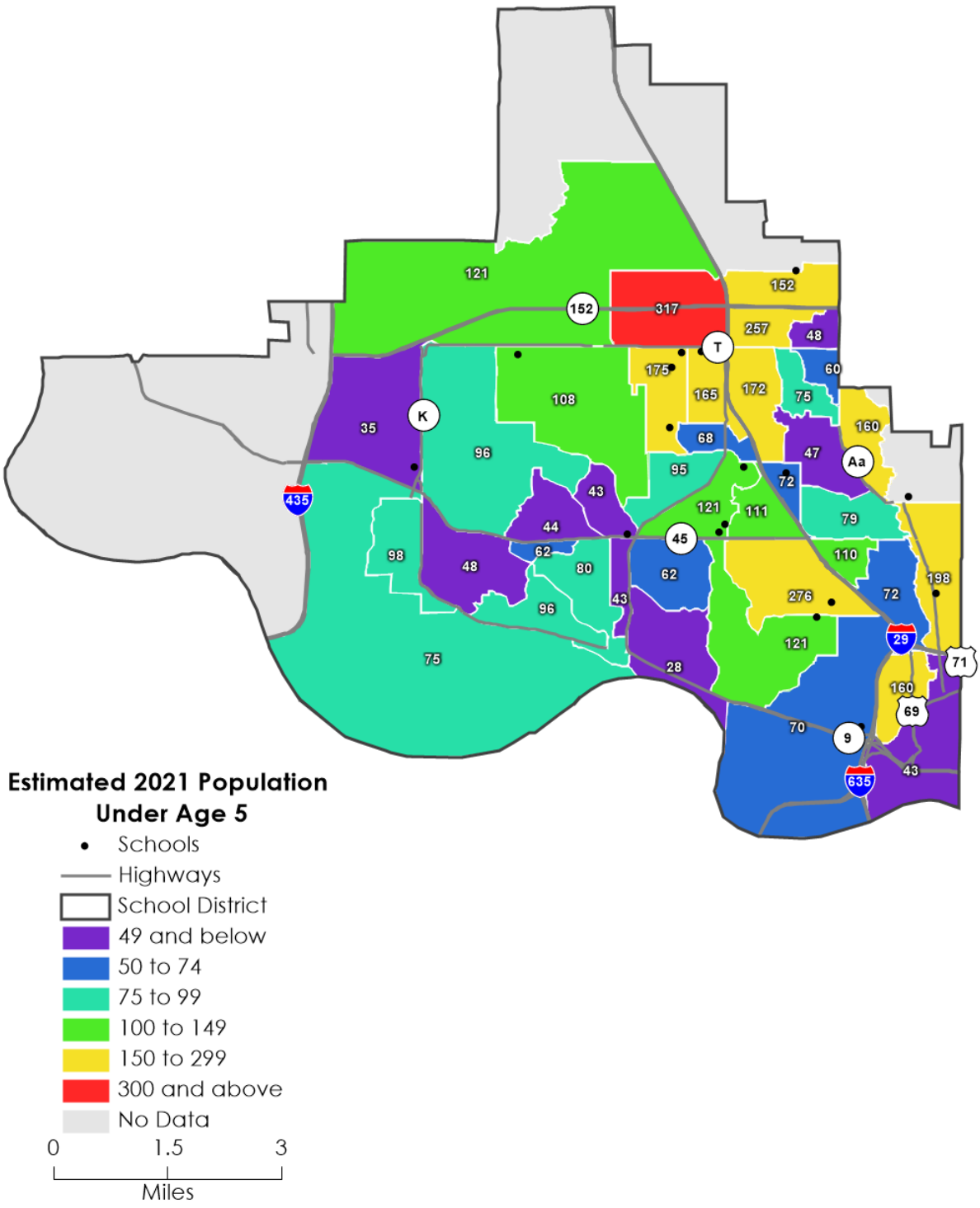
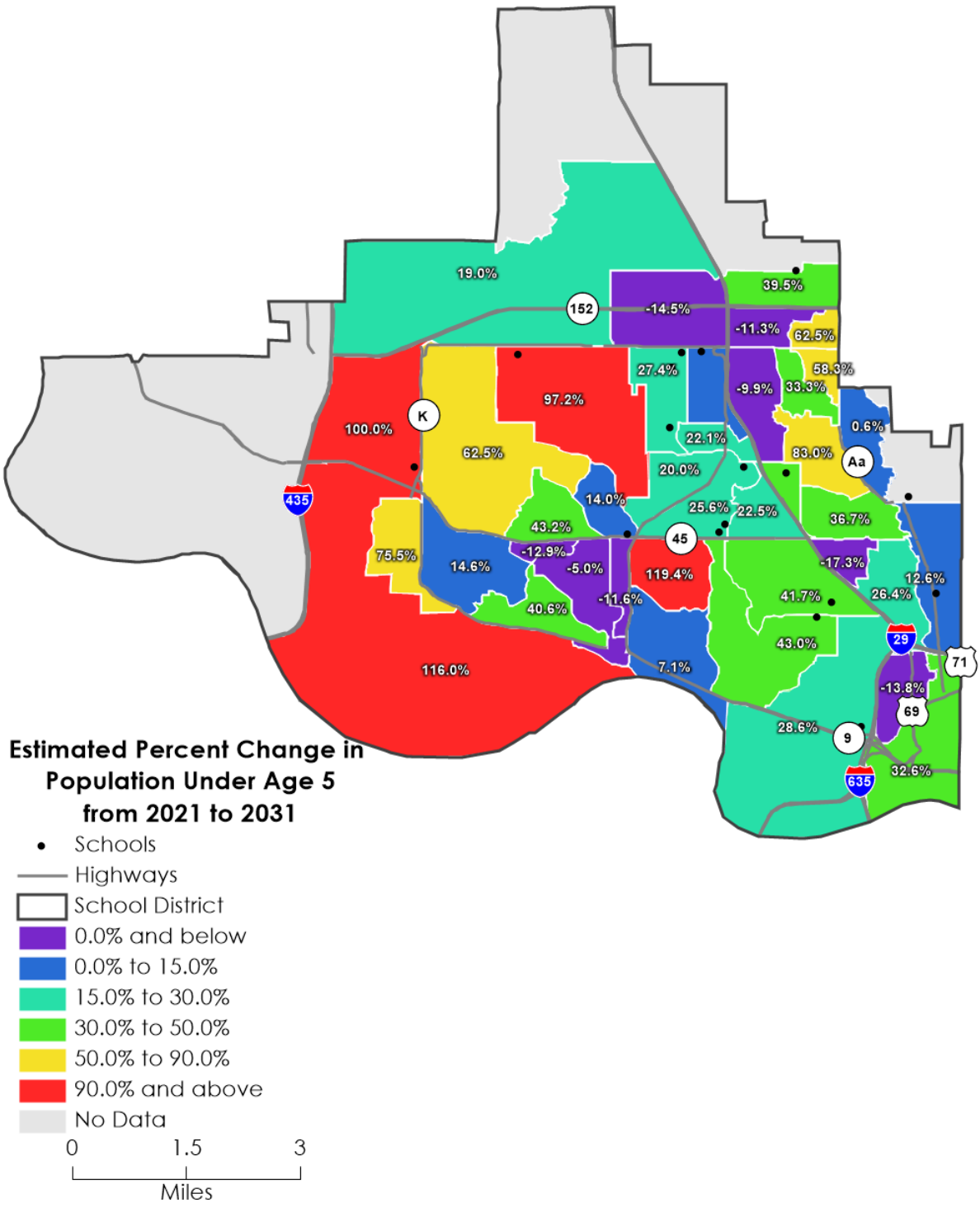
ESTIMATED POPULATION OF THE PARK HILL SCHOOL DISTRICT COMMUNITY



ESTIMATED RATE OF CHANGE IN POPULATION



ESTIMATED CHILDREN UNDER THE AGE OF 5



ESTIMATED CHANGE IN NUMBER OF CHILDREN UNDER THE AGE OF 5