

Planning for the Future 19/20 Enrollment Analysis (April 2020)



DISCUSSION POINTS

Introduction

Enrollment and Demographics (Part One)

- Key Considerations
- □ Maps: Planning Areas and Attendance Areas
- □ Sophisticated Forecast Model (SFM)
- Demographics
- Past Enrollment and Change
- Baseline Maps and Data

Development (Part Two)

- Population, Development, and Enrollment Trends
- Yield Rate of Students
- Maps and Data

Enrollment Projections (Part Three)

- Projection Accuracy
- Past, Current, Future Enrollment
- Building Projections
- □ Long Range Enrollment Forecast
- Moving Forward (Part Four)
 - Next Steps

Who We Are

Founded in 2003

- Professional educational planning firm
- Expertise in multiple disciplines
- Over 20 Years of planning experience
- Over 80 years of education experience
- Over 20 years of GIS experience
- Clients in Arkansas, Iowa, Illinois, Kansas, Minnesota, Missouri, Nebraska, North Dakota, Oklahoma, and Wisconsin
- Projection accuracy of 97% or greater

Planning

Robert Schwarz CEO, AICP, REFP, ALEP, CEFP

Educators

Clay Guthmiller Education Planner

David Stoakes Education Planner, EdD

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GIS Analyst

Tyler Link GIS Analyst, GISP

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Our Clients



Expectations

Below are some key points to think about as you examine how the analysis looked at creating a planning tool for making decisions:

- Project timeline a result of ensuring student data could represent as close as possible the Official Count with attributes that would allow RSP to forecast enrollment at a parcel level geography
- □ The findings were not focused on supporting or contradicting any past internal or outsourced studies the analysis is based on data, data, and more data
- □ The study factored in many different data sets to provide data driven analysis that is the foundation to the RSP Statistical Forecast Model (SFM)
- □ Enrollment change in the community is influenced by but not limited to: the birth rate, demographics, types of development and housing affordability
- □ The study does not provide specific information about which site would be best suited for a new facility or for that matter should the district build any new facility this analysis is one portion of how to make that decision
- □ This analysis is based on the same grade configuration and educational programming expectations the patrons have for each student
- Projecting enrollment is not a science like life in general some assumptions happen that may lead to greater enrollment while others toward a smaller enrollment
- □ The goal of this study is to help the board, administration, and public understand how to make the best decision for the students at the classroom level

Making It Happen

School District

Shawnee Mission School District

County, City & Others

Johnson County

Cities: Fairway, Lake Quivira, Leawood, Lenexa, Merriam,
Mission, Mission Hills, Mission Woods, Overland Park,

Prairie Village, Roeland Park, Shawnee, Westwood,

Westwood Hills

KDOT

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- United States Geological Survey
- Census Bureau/ Esri

Disclaimer: The data utilized in the analysis is the best available information each of the entities could provide at the time of the study.

Thank you!

Key Point:

Accurate projections are a result of the local entities providing quality data.

Part One: Enrollment & Demographics



VISUALIZING

100,000 Foot Perspective

Enrollment Projections – Five Year Outlook:

- □ District K-12 enrollment projected to decrease to end the 5-year cycle where in 2024/25 there likely will be about 26,400 students
- □ Next Five Year Enrollment Change Outlook:
 - District decreases by about 200 students (-0.8%) (-0.3% to +0.1% a year)
 - Elementary decreases by nearly 300 students (-2.0%) (-1.5% to +0.1% a year)
 - Middle School decreases by nearly 30 students (-0.8%) (-5.1% to +2.1% a year)
 - High School increases by about 100 students (+1.3%) (-1.5% to +1.5% a year)

Education Capacity over the next Five Years (Reside Projection):

- □ Elementary District-wide under Education Capacity
 - District is Reviewing the Functional Capacity for each school
- □ Middle School District-wide under Education Capacity
 - District is Reviewing the Functional Capacity for each school
- □ High School District-wide under Education Capacity
 - District is Reviewing the Functional Capacity for each school
- □ Capacity calculations may change to address what has been learned from COVID-19

Development Opportunities:

- Significant areas of vacant land, when developed could impact future enrollment
- The impact COVID-19 may have on the economy and housing starts must be monitored

District Boundary

- District Boundary (Purple Line)
- Major Streets

2. Belinder Elementary

10. Corinth Elementary

18. Nieman Elementary

21. Pawnee Elementary

22. Prairie Elementary

Middle School

County Boundary

A High School

Cemetery

Fairway

Leawood

Lenexa

Lake Quivira

RSP

Cities

- Major water features & cultural features
- Municipality Limits
 - Fairway (Light Blue) н.
 - Lake Quivira (Light Red)

- Leawood (Blue)
- Lenexa (Light Green)
- Merriam (Light Purple)
- Mission (Red)
- Mission Hills (Yellow)
- Mission Woods (Green)

- Overland Park .
- Prairie Village (Light Pink) ×.
- Roeland Park
- Shawnee
- Westwood (Light Grey)
- Westwood Hills (Light Blue)



Elementary School Attendance Areas

District Boundary (Purple Line)

- Major Streets
- □ Major water features & cultural features
- □ Attendance Areas (Solid Colors)







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Secondary Attendance Areas

Planning Areas

- □ Land Use (Residential, Commercial, Industrial)
- Residential Density (Single-Family, Mobile Home, Duplex, Apartment)
- □ Natural and Manmade Features (Rivers, Creeks, Railroads, Streets)
- Over 700 planning areas monitored for demographic, development, and enrollment data sets
- Planning areas allow RSP the ability to statistically evaluate trends that individually impact each planning area



Detailed Planning Areas

- □ Zoomed in view of Planning Areas (Green Line) and Shawanoe Elementary
- Displays the power of GIS data & Information
- □ See where students are located by grade in relation to streets, subdivisions, and parcels
- □ Illustrates how the planning areas are tied to development types at the parcel level
- D The utilization of many different data sets provides a more robust analysis of the district trends



Sophisticated Forecast Model

This is the central focus of everything RSP does. The model is based on what is happening in a school district. The best data is statistically analyzed to provide an accurate enrollment forecast. The District will be able to use RSP's report and maps to better understand demographic trends, school utilization, and the timing of construction projects.

Built-Out

| S _{c, t, x} = | S _{c-1,t-} | 1, × * GC |
|----------------------------------|---------------------|-----------|
| e , e , <i>r</i> , | • I, · | 1, 1 |

Let: S

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CT

- The number of students, either an actual count or a projected count
- = A subscript denoting an attendance area in the School District
- = Grade level
- Time (Years)
- GC = Growth component either modeling enrollment increase or decrease based on historical information, expressed as a real number

Developing

 $S_{c, t, x} = S_{c-1, t-1, x} + (BP_{t, x} * R_{c, x})$

Over 700 Planning Areas are statistically analyzed in the district

- Where: $BP_{t,x} = \left(\begin{array}{c} (CP_x) (BT_x) (A_x) \\ \sum x (CP_x) (BT_x) (A_x) \end{array} \right) * CT$
- = The number of students, either an actual count or a projected count
- = A subscript denoting an attendance area in the School District
- Grade level
- = Time (Years)
- BP = Building permit forecast as given by the Building Permit Allocation Model (BPAM) model
- Rc, x = Student enrollment ratio of cohort c in planning area x
- CP = Capacity of a planning area as expressed by available housing units
- BT = Building history trend of a planning area
 - An index which models the likelihood of development
 - Building permit control total forecast

RSP SFM Detail

- The important factor concerning the RSP SFM is that it is a Social Science not an exact science; it identifies behavior trends to determine the propensity of them to be recreated:
- □ The value of the RSP SFM is how our team creates and analyzes the geography at a planning area level for any commonality which will help produce an accurate forecast
- □ Some of the variables examined for each planning area (but not limited to):
 - Natural Cohort (District data)
 - Planning Area Subdivision Lifecycle (RSP variable)
 - Value of Homes (County assessor data)
 - Type of Residential unit (SF, MF, DUP, TH, Resort, etc.) (County assessor data)
 - Year units were built (County assessor data)
 - Estimated female population (Census data)
 - Estimated 0-4 population (Census data)
 - Existing Land Use (County and City data)
 - Future Land Use (County and City data)
 - Capital Improvement Plan (CIP) (County and City data)
 - Future Developments (County and City data)
 - In-Migration of students (District data)
 - Out-Migration of students (District data)

Population 0-4, 2024

- Depicted by Census Block Group with 2024 estimates
- Density weighted by land area of each Block Group
- Red areas have greatest density, Blue have the least density
- This data helps benchmark the projection model choices for future student enrollment
- □ Future growth areas are likely not included in the Census estimates
- RSP factors the Census data lapse with local development and demographic trends



Population Women 15-49, 2024

- Depicted by Census Block Group with 2024 estimates
- Density weighted by land area of each Block Group
- Red areas have greatest density, Blue have the least density
- This data helps benchmark the projection model choices for future student enrollment
- □ Future growth areas are likely not included in the Census estimates
- RSP factors the Census data lapse with local development and demographic trends



District Demographics

Population

Annual Rate; Percentage Change

Housing Annual Rate; Percentage Change 2000-2010: -0.04% 2010-2019: 0.71% 2019-2024: 0.82%

2000-2010: 0.58% 2010-2019: 0.73% 2019-2024: 0.86%

Income Per Capita; Percentage Change





2019: 3.5% Lower than U.S. average

NOTES:

Overall the District is experiencing an increase in population and housing, and is projected to continue over the next five years.

In a growing community housing and population should have a correlation and on the surface indicate a general housing supply/demand.

The type of residential unit is not known in these numbers or how affordable the units are so more analysis required.

Income is projected to increase over two percent by 2024.

Unemployment is lower than the State of Kansas & U.S. average.

Demographic Consideration

| | Shawnee Mission Public Schools | Blue Valley Public Schools | Olathe Public Schools | City of Lenexa | City of Overland Park | City of Shawnee | Johnson County | State of Kansas |
|-------------------------------|---|-------------------------------------|-----------------------------|-------------------|-----------------------------|--------------------|-------------------|--------------------|
| Unemployment Rate | 3.5% | 3.1% | 3.5% | 3.4% | 3.5% | 3.3% | 3.4% | 4.2% |
| Average Household Size | 2.27 | 2.68 | 2.75 | 2.47 | 2.43 | 2.63 | 2.54 | 2.5 |
| Median Age | 40 | 39.9 | 35.2 | 37.6 | 39.2 | 37.3 | 37.8 | 37.3 |
| Total Population | 233,897 | 131,212 | 164,767 | 55,653 | 195,920 | 66,609 | 605,145 | 2,966,501 |
| Median Household Income | \$70,644 | \$115,956 | \$86,587 | \$82,705 | \$81,483 | \$84,205 | \$84,629 | \$56,331 |
| Total Housing Units | 108,939 | 51,031 | 62,266 | 23,883 | 84,993 | 26,399 | 249,283 | 1,290,185 |
| Owner Occupied Housing Units | 64,850 | 34,088 | 41,086 | 12,845 | 49,264 | 17,966 | 159,919 | 773,135 |
| Renter Occupied Housing Units | 37,453 | 14,705 | 18,378 | 9,531 | 30,971 | 7,212 | 75,950 | 381,297 |
| Vacancy Rate | 6.1% | 4.4% | 4.5% | 6.3% | 5.6% | 4.6% | 5.4% | 10.5% |

| Ethnicity | Shawnee Mission Public Schools | Blue Valley Public Schools | Olathe Public Schools | City of Lenexa | City of Overland Park | City of Shawnee | Johnson County | State of Kansas |
|-------------------|---|-------------------------------------|-----------------------------|-------------------|-----------------------------|--------------------|-------------------|--------------------|
| White | 78.6% | 80.4% | 75.9% | 77.3% | 77.6% | 79.1% | 79.1% | 75.1% |
| Black | 5.7% | 3.4% | 5.5% | 6.7% | 4.8% | 5.9% | 4.8% | 5.8% |
| American Indian | 0.3% | 0.2% | 0.3% | 0.3% | 0.2% | 0.3% | 0.3% | 0.8% |
| Asian | 3.4% | 9.9% | 5.3% | 4.8% | 7.9% | 3.7% | 5.2% | 3.1% |
| Pacific Islander | 0.1% | 0.0% | 0.1% | 0.1% | 0.0% | 0.1% | 0.0% | 0.1% |
| Other Race | 0.2% | 0.1% | 0.2% | 0.3% | 0.2% | 0.1% | 0.2% | 0.1% |
| Two or More Races | 2.5% | 2.1% | 2.7% | 2.5% | 2.4% | 2.6% | 2.5% | 2.7% |
| Hispanic | 9.2% | 3.9% | 9.9% | 8.0% | 6.9% | 8.3% | 7.9% | 12.4% |

Source: US Census 2019

Demographics Information

- □ Median age is higher than other geographies
- □ Total Housing units is expected to increase from its current 108,939 in 2019 to 113,601 by 2024
- □ When compared to a neighboring school district, Shawnee Mission Public School District has the most available housing units.
- □ When compared to a neighboring school district, Shawnee Mission Public School District has a higher Unemployment and Vacancy rate (Note: Data from before COVID-19)

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Employment Information

| | Shawnee Mission Public Schools | Blue Valley Public Schools | Olathe Public Schools | City of Lenexa | City of Overland Park | City of Shawnee | Johnson County | State of Kansas |
|--|---|-------------------------------------|-----------------------------|-------------------|-----------------------------|--------------------|-------------------|--------------------|
| 2019 Agriculture/Mining (SIC01-14) Employees | 0.9% | 1.2% | 1.5% | 0.7% | 0.9% | 2.3% | 1.2% | 1.8% |
| 2019 Construction (SIC15-17) Employees | 3.8% | 2.2% | 9.5% | 7.6% | 2.2% | 5.5% | 4.7% | 4.1% |
| 2019 Manufacturing (SIC20-39) Employees | 6.1% | 4.8% | 7.2% | 10.9% | 5.3% | 3.9% | 6.2% | 10.3% |
| 2019 Transportation (SIC40-47) Employees | 1.7% | 1.5% | 1.6% | 1.8% | 1.4% | 1.6% | 1.6% | 2.8% |
| 2019 Communication (SIC48) Employees | 1.8% | 12.3% | 0.4% | 0.4% | 8.9% | 0.2% | 4.4% | 1.7% |
| 2019 Utility (SIC49) Employees | 0.4% | 0.2% | 0.2% | 0.5% | 0.4% | 0.4% | 0.3% | 0.6% |
| 2019 Wholesale Trade (SIC50-51) Employees | 4.3% | 2.3% | 5.7% | 7.8% | 2.1% | 7.5% | 4.2% | 4.4% |
| 2019 Home Improvement (SIC52) Employees | 1.5% | 0.4% | 2.4% | 1.6% | 0.7% | 3.4% | 1.5% | 1.3% |
| 2019 General Merchandise (SIC53) Employees | 2.8% | 2.2% | 2.0% | 1.2% | 2.6% | 5.9% | 2.5% | 2.3% |
| 2019 Food Stores (SIC54) Employees | 2.8% | 2.2% | 2.3% | 1.3% | 2.1% | 2.2% | 2.4% | 2.2% |
| 2019 Auto Dealer/Gas Station (SIC55) Employees | 1.9% | 0.4% | 3.3% | 1.2% | 0.7% | 1.1% | 1.8% | 3.7% |
| 2019 Apparel/Accessory (SIC56) Employees | 1.4% | 1.4% | 0.6% | 2.0% | 1.1% | 0.5% | 1.1% | 0.8% |
| 2019 Furniture/Home Furnishings (SIC57) Employees | 1.0% | 0.9% | 0.8% | 1.0% | 0.8% | 1.2% | 0.9% | 0.8% |
| 2019 Eating & Drinking (SIC58) Employees | 6.7% | 6.5% | 7.4% | 3.3% | 6.7% | 10.7% | 6.8% | 6.5% |
| 2019 Miscellaneous Retail (SIC59) Employees | 3.9% | 2.8% | 3.3% | 3.5% | 2.7% | 5.2% | 3.6% | 3.1% |
| 2019 Banks (SIC60-61) Employees | 2.3% | 2.4% | 1.0% | 2.4% | 1.9% | 2.0% | 2.0% | 1.8% |
| 2019 Securities Broker (SIC62) Employees | 3.0% | 2.6% | 0.4% | 0.8% | 4.0% | 0.2% | 2.1% | 0.9% |
| 2019 Insurance (SIC63-64) Employees | 1.5% | 6.7% | 2.3% | 0.9% | 4.6% | 1.3% | 3.1% | 1.4% |
| 2019 Real Estate/Holding (SIC65-67) Employees | 3.2% | 4.3% | 2.8% | 2.5% | 3.7% | 3.0% | 3.4% | 2.1% |
| 2019 Hotel/Lodging (SIC70) Employees | 0.6% | 1.5% | 0.6% | 0.6% | 1.3% | 0.4% | 0.8% | 1.0% |
| 2019 Auto Services (SIC75) Employees | 0.9% | 0.3% | 1.1% | 0.9% | 0.6% | 1.3% | 0.8% | 1.0% |
| 2019 Movie/Amusement (SIC78-79) Employees | 2.5% | 3.5% | 1.9% | 1.9% | 2.0% | 3.7% | 2.7% | 2.4% |
| 2019 Health Services (SIC80) Employees | 15.5% | 8.3% | 9.4% | 11.3% | 12.9% | 9.5% | 11.5% | 11.0% |
| 2019 Legal Services (SIC81) Employees | 0.6% | 2.6% | 0.5% | 0.2% | 2.0% | 0.5% | 1.1% | 0.6% |
| 2019 Education/Library (SIC82) Employees | 4.9% | 6.4% | 10.7% | 2.8% | 8.5% | 8.3% | 7.1% | 9.5% |
| 2019 Other Service (SIC72-89SEL) Employees | 20.3% | 19.1% | 16.1% | 27.1% | 18.2% | 15.1% | 18.6% | 14.9% |
| 2019 Government (SIC91-97) Employees | 3.2% | 0.6% | 4.6% | 3.4% | 1.2% | 2.6% | 3.0% | 6.9% |
| 2019 Unclassified Establishments (SIC99) Employees | 0.4% | 0.6% | 0.5% | 0.7% | 0.5% | 0.4% | 0.5% | 0.3% |

Source: US Census 2019

Employment Information

- This table to illustrate the typical person information about the type of employment a person has based on the school district they choose to live in
- □ Highest % of employees are in service industry
- When compared to a neighboring school district, Shawnee Mission Public School District has a greater % of employees working in health services. (Note: Data from before COVID-19)

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Johnson County Birth Information

Johnson County Kansas Live Births and SMSD Kindergarten 5-Years Later

-143

-74

-131.67

-114.33

| - | | | - | | | |
|-------------|---------------|--------------|----------------|-------------|-------------------|-----------------------------|
| Fiscal Year | # Live Births | Birth Change | % Birth Change | School Year | # Kdg | %Kdg of Live Births |
| 2005 | 7,587 | | | 2010/11 | 2,135 | 28.1% |
| 2006 | 7,722 | 135 | 1.8% | 2011/12 | 2,181 | 28.2% |
| 2007 | 7,904 | 182 | 2.4% | 2012/13 | 2,157 | 27.3% |
| 2008 | 7,843 | -61 | -0.8% | 2013/14 | 2,254 | 28.7% |
| 2009 | 7,565 | -278 | -3.5% | 2014/15 | 2,120 | 28.0% |
| 2010 | 7,390 | -175 | -2.3% | 2015/16 | 2,091 | 28.3% |
| 2011 | 7,355 | -35 | -0.5% | 2016/17 | 2,118 | 28.8% |
| 2012 | 7,437 | 82 | 1.1% | 2017/18 | 2,141 | 28.8% |
| 2013 | 7,320 | -117 | -1.6% | 2018/19 | 2,024 | 27.7% |
| 2014 | 7,394 | 74 | 1.0% | 2019/20 | 2,052 | 27.8% |
| 2015 | 7,528 | 134 | 1.8% | | anson Count | v Live Birth data |
| 2016 | 7,350 | -178 | -2.4% | Jar | nuary 1^{st} to | December 31 st o |

NOTE: The number of Kindergarten students five years later is one variable to understand the transiency of a community

Source: Kansas Department of Health and Environment (KDHE) and Shawnee Mission School District

7,207

7,133

7,230.0

7,193.8

Live Birth Observations

- Tracks the number of live births and the corresponding number of kindergarten students five years later
- The number of live births in Johnson County is 6.0% fewer in 2019 than it was in 2010

-1.9%

-1.0%

Shawnee Mission School District has a range of 27% to 29% of County live births five years later

2017

2018

3-Year Average

3-Year Weighted Average

By Grade Enrollment

Enrollment By Grade

| Year | к | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | 12th | Total | Change | % Change |
|---------|-------|-------|-------|-------|-------|-------|-------|----------------|-------|-------|----------------|----------------|-------|--------|--------|----------|
| 2010/11 | 2,135 | 2,173 | 2,115 | 2,055 | 2,193 | 2,071 | 2,082 | 2,023 | 1,973 | 2,339 | 2,166 | 2,042 | 2,177 | 27,544 | | |
| 2011/12 | 2,181 | 2,171 | 2,176 | 2,089 | 2,065 | 2,173 | 2,048 | 2,051 | 1,987 | 2,249 | 2,118 | 2 <i>,</i> 085 | 2,037 | 27,430 | -114 | -0.4% |
| 2012/13 | 2,157 | 2,207 | 2,145 | 2,116 | 2,033 | 2,039 | 2,112 | 1,987 | 1,994 | 2,230 | 2,024 | 2,007 | 2,051 | 27,102 | -328 | -1.2% |
| 2013/14 | 2,254 | 2,152 | 2,214 | 2,119 | 2,059 | 2,009 | 2,038 | 2,060 | 1,992 | 2,260 | 2,010 | 1,886 | 1,986 | 27,039 | -63 | -0.2% |
| 2014/15 | 2,120 | 2,252 | 2,124 | 2,192 | 2,107 | 2,051 | 2,005 | 1,993 | 2,046 | 2,307 | 2,089 | 1,958 | 1,877 | 27,121 | 82 | 0.3% |
| 2015/16 | 2,091 | 2,161 | 2,243 | 2,095 | 2,150 | 2,092 | 2,036 | 2,005 | 1,989 | 2,379 | 2,082 | 2,041 | 1,925 | 27,289 | 168 | 0.6% |
| 2016/17 | 2,118 | 2,050 | 2,100 | 2,186 | 2,068 | 2,101 | 2,056 | 1 <i>,</i> 993 | 1,984 | 2,252 | 2 <i>,</i> 065 | 2,000 | 1,974 | 26,947 | -342 | -1.3% |
| 2017/18 | 2,141 | 2,105 | 2,057 | 2,055 | 2,170 | 2,044 | 2,049 | 2,017 | 1,953 | 2,242 | 2,067 | 2,016 | 1,936 | 26,852 | -95 | -0.4% |
| 2018/19 | 2,024 | 2,134 | 2,111 | 2,003 | 2,023 | 2,182 | 2,006 | 2,059 | 2,010 | 2,205 | 2,116 | 1,936 | 1,938 | 26,747 | -105 | -0.4% |
| 2019/20 | 2,052 | 2,065 | 2,116 | 2,069 | 1,987 | 2,022 | 2,167 | 1,991 | 2,058 | 2,200 | 2,108 | 1,952 | 1,838 | 26,625 | -122 | -0.5% |

Source: Shawnee Mission School District (2010/11 to 2019/20)

Observations:

- □ Largest class in 2019/20 9th grade (2,200)
- □ Smallest class in 2019/20 12th grade (1,838)
- Graduating senior class slightly smaller than the incoming Kindergarten class the following year
- □ Kindergarten enrollment has remained above 2,000 students
- □ 2019/20 Smallest grades since 2010/11
- Elementary: 4th and 5th
- High School: 9th and 12th
- □ Smaller classes will create potential for there to be further down trends as they move through the system

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

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Cohort Change Examination

Enrollment Grade Change

| | | | к | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | Cha | ange |
|-----------|---------|-------|-----|------|-------|-------|------|-------|-------|-------|-------|--------|--------|-------|--------|---------|
| From | То | к | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | 9th | 10th | 11th | 12th | Total | Percent |
| 2010/11 | 2011/12 | 46 | 36 | 3 | -26 | 10 | -20 | -23 | -31 | -36 | 276 | -221 | -81 | -5 | -114 | -0.4% |
| 2011/12 | 2012/13 | -24 | 26 | -26 | -60 | -56 | -26 | -61 | -61 | -57 | 243 | -225 | -111 | -34 | -328 | -1.2% |
| 2012/13 | 2013/14 | 97 | -5 | 7 | -26 | -57 | -24 | -1 | -52 | 5 | 266 | -220 | -138 | -21 | -63 | -0.2% |
| 2013/14 | 2014/15 | -134 | -2 | -28 | -22 | -12 | -8 | -4 | -45 | -14 | 315 | -171 | -52 | -9 | 82 | 0.3% |
| 2014/15 | 2015/16 | -29 | 41 | -9 | -29 | -42 | -15 | -15 | 0 | -4 | 333 | -225 | -48 | -33 | 168 | 0.6% |
| 2015/16 | 2016/17 | 27 | -41 | -61 | -57 | -27 | -49 | -36 | -43 | -21 | 263 | -314 | -82 | -67 | -342 | -1.3% |
| 2016/17 | 2017/18 | 23 | -13 | 7 | -45 | -16 | -24 | -52 | -39 | -40 | 258 | -185 | -49 | -64 | -95 | -0.4% |
| 2017/18 | 2018/19 | -117 | -7 | 6 | -54 | -32 | 12 | -38 | 10 | -7 | 252 | -126 | -131 | -78 | -105 | -0.4% |
| 2018/19 | 2019/20 | 28 | 41 | -18 | -42 | -16 | -1 | -15 | -15 | -1 | 190 | -97 | -164 | -98 | -122 | -0.5% |
| 3-Yr Avg | | -22.0 | 7.0 | -1.7 | -47.0 | -21.3 | -4.3 | -35.0 | -14.7 | -16.0 | 233.3 | -136.0 | -114.7 | -80.0 | -107.3 | -0.4% |
| 3-Yr Wavg | | -21.2 | 16 | -5.8 | -46.5 | -21.3 | -0.5 | -28.8 | -10.7 | -9.5 | 222 | -121.3 | -133.8 | -85.7 | -111.8 | -0.4% |

Source: Shawnee Mission School District (2010/11 to 2019/20)

Table Observations (All data calculations from above table):

- □ Largest average K-12 class cohort increase 8th to 9th grade (+233)
- □ Largest average K-12 class cohort decrease 9th to 10th grade (-136)
- Each grade has more of a propensity to cohort decrease each year
- □ The 2019/20 Results:

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- \square ~ The 8th to 9th grade increase was the smallest it has been since 2010/11 ~
- $\hfill\square$ The 10th to 11th grade decrease was the largest it has been since 2010/11
- Grade Level Averages since 2010/11
- Elementary: decreased by about 50 students
- Middle School: increased by about 30 students
- High School: decreased by about 160 students

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

Student In-Migration

- 2019/20 nonalternative students who are in 1st through 12^{th} grade that were not attending the District in 2018/19 as
- Kindergarten through 11th grade Provides a location for where a new student resides
- Having a large number of new students could mean additional educational services will be required

- 2,081 new students in 2017/18
- 2,040 new students in 2018/19
- □ 2,002 new students in 2019/20



Student Out-Migration

- Nonalternative students attending the district in 2018/19 who were in Kindergarten through 11th grade that did not attend in 2019/20 as 1st through 12th graders
- A negative Total migration indicates the propensity to have a future decreasing student enrollment
- 2.226 students left the district in 2019/20, □ Total Migration -224



Elementary Schools

2. Belinder Elementary

3. Bluelacket-Flint Elementary 4. Briarwood Elementary

5. Broken Arrow Elementary

6. Brookridge Elementary

7. Brookwood Elementary

9. Comanche Elementary 10. Corinth Elementary

11. Crestview Elementary

13. Highlands Elementary

12. East Antioch Elementary

14. John Diemer Elementary

16. Merriam Park Elementary

20. Overland Park Elementary

23. Raymond Marsh Elementary

15. Lenexa Hills Elementary

17 Mill Creek Flementary 18. Nieman Elementary

21. Pawnee Elementary

22. Prairie Elementary

District Boundary

Middle School

County Boundary

 Middle (7-8): -319 High (9-11): -599

High School

Cemetery

in 2019/20.

()RSP

8. Christa McAuliffe Elementary

Student Count Change

- Depicts student movement each year at each Planning Area from 2010/11 to 2019/20
- Orange areas experienced an increase year to year, Green areas experienced a decrease, White areas had no net change of students between year to year
- □ New developments have a greater propensity to have more students in future years
- Current colors do not indicate area will continue to increase or decrease



Count Change is the number of students in 2019/20 subtracted by the number in 2018/19 in each Planning Area.



Nap-data provided by Shawnee Mission School District, Johnson County, Ottes of Farney, Lake Quinta, Learnood, Lemera, Mersam, Mission Hild, Resclam Woods, Overland Park, Prairie Wilage, Rocland Park, Shawnee, Westwood, and Westwood Hills, Johnson County AlthS, USGS, MDOT, and ISER, Mag resulted April 2020.





Student Heat Density

- **Red** areas depict highest density of students, **Gray** as lowest student density
- Overlapping points (2 or more students) are handled using a weighting of coincident points This analysis helps with understanding student population and geographic proximity to schools
- - Some new areas do not necessarily lead to similar yield rates of like developments





Student "Heat" Density in 2019/20 in Grades K-12

| | Elementary Schools | |
|-----|-------------------------------|----------------------------------|
| 1. | Apache Innovative Elementary | 24. Rhein Benninghoven Elementa |
| 2. | Belinder Elementary | 25. Rising Star Elementary |
| 3. | Bluejacket-Flint Elementary | 26. Roesland Elementary |
| 4. | Briarwood Elementary | 27. Rosehill Elementary |
| 5. | Broken Arrow Elementary | 28. Rushton Elementary |
| δ., | Brookridge Elementary | 29. Santa Fe Trail Elementary |
| 7. | Brookwood Elementary | 30. Shawanoe-Elementary |
| 8. | Christa McAuliffe Elementary | 31. Sunflower Elementary |
| 2. | Comanche Elementary | 32. Tomahawk Elementary |
| 10. | Corinth Elementary | 33. Trailwood Elementary |
| 11. | Crestview Elementary | 34. Westwood View Elementary |
| 12. | East Antioch Elementary | Middle Schools |
| 13. | Highlands Elementary | 35. Hocker Grove Middle |
| 14. | John Diemer Elementary | 36. Indian Hills Middle |
| 15. | Lenexa Hills Elementary | 37. Indian Woods Middle |
| 16. | Merriam Park Elementary | 38. Trailridge Middle |
| 17. | Mill Creek Elementary | 39. Westridge Middle |
| 18. | Nieman Elementary | High Schools |
| 19. | Oak Park-Carpenter Elementary | 40. Shawnee Mission East High |
| 20. | Overland Park Elementary | 41. Shawnee Mission North High |
| 21. | Pawnee Elementary | 42. Shawnee Mission Northwest Hi |
| 22 | Prairie Elementary | 43. Shawnee Mission South High |
| 23. | Raymond Marsh Elementary | 44. Shawnee Mission West High |
| | District Boundary | Solf |
| | Elementary School | Park |
| ç | Middle School | Police Stations |
| < | High School | Libraries |
| | County Boundary | Hospitals |
| ĽŻ | Cemetery | Eice Stations |

Student Density

Low Density Student "Heat" is determined by calculating the number of students that are clustered within gh Density close proximity of one another. Overlapping of points (2 or more students residing at the same address) are handled using a weighting of coincident points. This weighted data is calculated by relational distance, which helps to visually depict the areas of high student clustering.

> 2 Miles

Map data provided by Shawnee Mission School District, Johnson County, Cities of Fainway, Lake Quinira, Leawood, Lenexa, Merriam, Mission Hills, Mission Woods, Overland Park, Praine Village, Roeland Park, Shawnee, Westwood, and Westwood Hills, Johnson County AIMS, USGS, KDOT, and ESRI. Map-created April 2020.

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ES Intra-Transfers

- Students who reside within an attendance area who attend school outside of said boundary
- □ This is the 19/20 School Year
- Oak Park-Carpenter ES; Highest Net Gain; Brookridge ES; Highest Net Loss
- □ 8.1% of all Elementary students elect to transfer out of their assigned attendance area
- □ The number of Intra-Transfers impacts how the district can staff each building
- Households may like the option of choosing the building their student can attend which may impact any future district policy



ES Intra-Transfers Table (A-M)

| | | | | | | | | | | | | | | | | | Res | ide |) | | | | | | | | | | | | | | | | |
|-------------------|-------------------|----------|------------------|-----------|--------------|------------|-----------|-------------------|----------|---------|-----------|--------------|-----------|-------------|--------------|--------------|------------|--------|------------------------|---------------|--------|---------|---------------|-----------------------|-------------|----------|----------|---------|----------------|----------|-----------|----------|-----------|---------------|--------------|
| Attend | Apache Innovative | Belinder | Bluejacket-Flint | Briarwood | Broken Arrow | Brookridge | Brookwood | Christa McAuliffe | Comanche | Corinth | Crestview | East Antioch | Highlands | John Diemer | Lenexa Hills | Merriam Park | Mill Creek | Nieman | Oak Park- Carpenter | Overland Park | Pawnee | Prairie | Raymond Marsh | Rhein Benninghoven | Rising Star | Roesland | Rosehill | Rushton | Santa Fe Trail | Shawanoe | Sunflower | Tomahawk | Trailwood | Westwood View | Attend Total |
| Apache Innovative | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 7 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 22 |
| Belinder | 0 | 0 | 0 | 8 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 3 | 33 |
| Bluejacket-Flint | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 11 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 6 | 2 | 0 | 2 | 0 | 0 | 1 | 4 | 0 | 0 | 1 | 39 |
| Briarwood | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 14 |
| Broken Arrow | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 1 | 1 | 5 | 0 | 1 | 1 | 0 | 5 | 7 | 2 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 31 |
| Brookridge | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Brookwood | 0 | 0 | 0 | 2 | 0 | 7 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 11 | 0 | |
| Christa McAuliffe | 1 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 0 | 5 | 1 | 2 | 1 | 0 | 0 | 0 | 10 | 18 | 0 | 2 | 0 | 0 | 1 | 7 | 0 | 0 | 0 | 64 |
| Comanche | 6 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 22 |
| Corinth | 0 | 7 | 0 | 10 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 7 | 0 | 29 |
| Crestview | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 9 | 2 | 2 | 3 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 1 | 3 | 0 | 0 | 0 | 0 | 37 |
| East Antioch | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | 0 | 2 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Highlands | 2 | 5 | 3 | 4 | 1 | 0 | 0 | 0 | 1 | 2 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 7 | 1 | 0 | 1 | 6 | 0 | 17 | 11 | 0 | 1 | 0 | 0 | 1 | 71 |
| John Diemer | 2 | 0 | 0 | 2 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 7 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 1 | 1 | 2 | 0 | 37 |
| Lenexa Hills | 1 | 0 | 1 | 0 | 6 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 1 | 0 | 3 | 0 | 5 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 26 |
| Merriam Park | 3 | 0 | 5 | 0 | 1 | 2 | 0 | 1 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 33 |
| Mill Creek | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 13 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 37 |
| Reside Total | 17 | 12 | 10 | 26 | 23 | 22 | 1 | 21 | 13 | 13 | 8 | 18 | 2 | 19 | 11 | 26 | 8 | 24 | 9 | 25 | 23 | 18 | 12 | 27 | 46 | 8 | 17 | 22 | 18 | 13 | 17 | 5 | 21 | 5 | 560 |

Source: Johnson County, Shawnee Mission School District, and RSP & Associates, LLC

Intra-Transfers Information

- □ Attend (Transferring in by row) and Reside (Transferring out by column)
- Example: Christa McAuliffe has 18 students attending who reside in Rising Star boundary. This gives Christa McAuliffe a gain in students and Rising Star a loss in students.
- □ Trailwood ES had the most transferring in (+85)
- □ John Diemer ES had the most transferring out (-68)
- □ Oak Park-Carpenter ES had the most net gain (+68)
- □ Brookridge ES had the most net loss (-57)

ES Intra-Transfers Table (N-W)

| | | | | | | | | | | | | | | | | | Res | side |) | | | | | | | | | | | | | | | | |
|--------------------|-------------------|----------|------------------|-----------|--------------|------------|-----------|-------------------|----------|---------|-----------|--------------|-----------|-------------|--------------|--------------|------------|--------|------------------------|---------------|--------|---------|---------------|-----------------------|-------------|----------|----------|---------|----------------|----------|-----------|----------|-----------|---------------|--------------|
| Attend | Apache Innovative | Belinder | Bluejacket-Flint | Briarwood | Broken Arrow | Brookridge | Brookwood | Christa McAuliffe | Comanche | Corinth | Crestview | East Antioch | Highlands | John Diemer | Lenexa Hills | Merriam Park | Mill Creek | Nieman | Oak Park- Carpenter | Overland Park | Pawnee | Prairie | Raymond Marsh | Rhein Benninghoven | Rising Star | Roesland | Rosehill | Rushton | Santa Fe Trail | Shawanoe | Sunflower | Tomahawk | Trailwood | Westwood View | Attend Total |
| Nieman | 0 | 0 | 7 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 0 | 0 | 0 | 0 | 7 | 4 | 0 | 0 | 0 | 2 | 0 | 3 | 1 | 0 | 0 | 0 | 39 |
| Oak Park-Carpenter | 4 | 1 | 1 | 0 | 0 | 11 | 0 | 3 | 2 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 0 | 10 | 0 | 3 | 3 | 0 | 0 | 31 | 0 | 2 | 1 | 2 | 1 | 0 | 0 | 83 |
| Overland Park | 2 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 7 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 2 | 1 | 1 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 0 | 1 | 33 |
| Pawnee | 5 | 0 | 0 | 1 | 0 | 4 | 0 | 1 | 12 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 36 |
| Prairie | 0 | 10 | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 7 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 | 4 | 0 | 0 | 5 | 4 | 0 | 51 |
| Raymond Marsh | 0 | 0 | 5 | 0 | 9 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 26 |
| Rhein Benninghoven | 0 | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 8 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 25 |
| Rising Star | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 2 | 7 | 0 | 0 | 0 | 19 |
| Roesland | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 19 |
| Rosehill | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 13 |
| Rushton | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 16 |
| Santa Fe Trail | 2 | 1 | 0 | 4 | 1 | 2 | 0 | 0 | 2 | 0 | 3 | 5 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 3 | 1 | 2 | 0 | 2 | 2 | 6 | 1 | 8 | 0 | 1 | 0 | 3 | 1 | 1 | 55 |
| Shawanoe | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 0 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 |
| Sunflower | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Tomahawk | 3 | 1 | 1 | 8 | 1 | 0 | 0 | 0 | 8 | 1 | 1 | 2 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 11 | 3 | 1 | 0 | 0 | 1 | 0 | 3 | 3 | 4 | 1 | 1 | 0 | 1 | 0 | 61 |
| Trailwood | 2 | 0 | 0 | 3 | 0 | 22 | 7 | 0 | 1 | 2 | 0 | 0 | 2 | 39 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 |
| Westwood View | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 5 | 3 | 0 | 0 | 2 | 0 | 0 | 27 |
| Reside Total | 21 | 13 | 19 | 28 | 20 | 43 | 7 | 10 | 40 | 11 | 19 | 16 | 11 | 49 | 3 | 9 | 27 | 22 | 6 | 22 | 21 | 3 | 11 | 13 | 21 | 19 | 48 | 28 | 13 | 11 | 19 | 13 | 6 | 3 | 625 |

Source: Johnson County, Shawnee Mission School District, and RSP & Associates, LLC

Intra-Transfers Information

- □ Attend (Transferring in by row) and Reside (Transferring out by column)
- Example: Nieman has 7 students attending who reside in Bluejacket-Flint boundary. This gives Nieman a gain in students and Bluejacket-Flint a loss in students.
- □ Trailwood ES had the most transferring in (+85)
- □ John Diemer ES had the most transferring out (-68)
- □ Oak Park-Carpenter ES had the most net gain (+68)
- □ Brookridge ES had the most net loss (-57)

MS Intra-Transfers

- Students who reside within an attendance area who attend school outside of said boundary
- □ This is the 19/20 School Year
- Indian Hills MS; Highest Net Gain; Westridge MS; Highest Net Loss
- 5.4% of all Middle school students elect to transfer out of their assigned attendance area
- □ The number of Intra-Transfers impacts how the district can staff each building
- Households may like the option of choosing the building their student can attend which may impact any future district policy



HS Intra-Transfers

- Students who reside within an attendance area who attend school outside of said boundary
- □ This is the 19/20 School Year
- SM East HS; Highest Net Gain; SM North HS; Highest Net Loss
- □ 8.1% of all High school students elect to transfer out of their assigned attendance area
- □ The number of Intra-Transfers impacts how the district can staff each building
- Households may like the option of choosing the building their student can attend which may impact any future district policy



MS and HS Intra-Transfers Table

| | | Re | esio | de | | |
|--------------|--------------|--------------|--------------|------------|-----------|--------------|
| Attend | Hocker Grove | Indian Hills | Indian Woods | Trailridge | Westridge | Attend Total |
| Hocker Grove | 0 | 2 | 5 | 13 | 12 | 32 |
| Indian Hills | 39 | 0 | 13 | 4 | 17 | 73 |
| Indian Woods | 3 | 23 | 0 | 1 | 18 | 45 |
| Trailridge | 27 | 2 | 1 | 0 | 19 | 49 |
| Westridge | 4 | 0 | 6 | 9 | 0 | 19 |
| Reside Total | 73 | 27 | 25 | 27 | 66 | 218 |

Source: Johnson County, Shawnee Mission School District, and RSP & Associates, LLC

MS Intra-Transfers Information

- Attend (Transferring in by row) and Reside (Transferring out by column)
- Example: Indian Hills has 39 students attending who reside in Hocker Grove boundary. This gives Indian Hills a gain in students and Hocker Grove a loss in students.
- Indian Hills MS had the most transferring in (+73)
- □ Hocker Grove MS had the most transferring out (-73)
- □ Indian Hills MS had the most net gain (+46)
- □ Westridge MS had the most net loss (-47)

| | | R | esic | le | | |
|----------------------|---------|----------|--------------|----------|---------|--------------|
| Attend | SM East | SM North | SM Northwest | SM South | SM West | Attend Total |
| SM East | 0 | 72 | 5 | 65 | 17 | 159 |
| SM North | 7 | 0 | 21 | 8 | 30 | 66 |
| SM Northwest | 5 | 83 | 0 | 9 | 53 | 150 |
| SM South | 40 | 10 | 8 | 0 | 33 | 91 |
| SM West | 7 | 11 | 25 | 23 | 0 | 66 |
| Horizons Alternative | 19 | 37 | 21 | 15 | 33 | 125 |
| Reside Total | 78 | 213 | 80 | 120 | 166 | 657 |

HS Intra-Transfers Information

- Attend (Transferring in by row) and Reside (Transferring out by column)
- Example: Horizons Alternative has 33 students attending who reside in SM West boundary. This gives Horizons Alternative a gain in students and SM West a loss in students.
- SM East HS had the most transferring in (+159)
- SM North HS had the most transferring out (-213)
- □ SM East HS had had the most net gain (+81)
- □ SM North HS had the most net loss (-147)

Source: Johnson County, Shawnee Mission School District, and RSP & Associates, LLC

Enrollment Observations

The following are some general enrollment observations;

- □ The district has maintained contiguous boundaries for elementary schools
- □ RSP & Associates monitors over <u>700</u> planning areas for demographic, development, and enrollment data sets
- □ Direct correlation between where women (15-49) in child bearing ages reside and where children (0-4) reside
- □ Enrollment tends to vary from grade to grade each year at each level
 - Large increases happen from 8th to 9th grade
 - Large decreases happen from 9th to 10th grade
- Smaller elementary school grades will result in future smaller Middle and High school grades
- Greatest student density near Comanche ES, Rose Hill ES, and Shawanoe ES
- □ Least student density generally in the eastern portion of the district
- □ The number of live births in Johnson County has been decreasing which will impact the number of future kindergarten students

Part Two: Development



VISUALIZING



Population, Development, Enrollment



Source: Census Bureau, Johnson County, Shawnee Mission School District and RSP SFM & Demographic Models

Graphic Observation:

- Census data indicates an increasing population (Range: 1,500 to 2,000 people, Census estimates annual 0.82% increase)
- Building trend indicates there has been new residential activity (5-Year Average 623 units a year this will continue to decrease)
- Student Enrollment growth has been decreasing the last three years (Range 90 to 130 students)
- □ Households moving into the district do not have the typical household demographics resulting in cohort changes that are very dynamic new building and student change have a statistical correlation
- □ New development has slowed from previous years the district is a development mature
- Older areas of the community have the propensity for demographic trend change if they remain affordable
Student Yield Rate (SF) A-M

Elementary Single Family (SF)

| Schools | Year | | | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | Avg | | |
| Apache Innovative Elementary School | 0.2 | 0.21 | 0.2 | 0.2 | 0.22 | 0.22 | 0.21 | 0.21 | 0.18 | 0.18 | 0.2 | | |
| Belinder Elementary School | 0.14 | 0.15 | 0.15 | 0.15 | 0.14 | 0.15 | 0.14 | 0.15 | 0.14 | 0.14 | 0.14 | | |
| Bluejacket-Flint Elementary School | 0.16 | 0.16 | 0.15 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | | |
| Briarwood Elementary School | 0.15 | 0.14 | 0.15 | 0.15 | 0.15 | 0.16 | 0.16 | 0.16 | 0.17 | 0.18 | 0.16 | | |
| Broken Arrow Elementary School | 0.16 | 0.15 | 0.14 | 0.14 | 0.13 | 0.13 | 0.14 | 0.13 | 0.12 | 0.12 | 0.14 | | |
| Brookridge Elementary School | 0.13 | 0.14 | 0.13 | 0.14 | 0.13 | 0.13 | 0.14 | 0.13 | 0.13 | 0.14 | 0.13 | | |
| Brookwood Elementary School | 0.19 | 0.19 | 0.18 | 0.18 | 0.18 | 0.17 | 0.17 | 0.17 | 0.18 | 0.18 | 0.18 | | |
| Christa McAuliffe Elementary School | 0.27 | 0.24 | 0.23 | 0.24 | 0.22 | 0.22 | 0.2 | 0.19 | 0.19 | 0.18 | 0.22 | | |
| Comanche Elementary School | 0.3 | 0.31 | 0.31 | 0.32 | 0.32 | 0.29 | 0.27 | 0.3 | 0.27 | 0.24 | 0.29 | | |
| Corinth Elementary School | 0.18 | 0.19 | 0.21 | 0.19 | 0.2 | 0.2 | 0.2 | 0.2 | 0.21 | 0.2 | 0.2 | | |
| Crestview Elementary School | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | 0.13 | 0.14 | 0.13 | | |
| East Antioch Elementary School | 0.15 | 0.16 | 0.15 | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.15 | 0.14 | 0.15 | | |
| Highlands Elementary School | 0.15 | 0.14 | 0.15 | 0.14 | 0.15 | 0.14 | 0.14 | 0.15 | 0.15 | 0.17 | 0.15 | | |
| John Diemer Elementary School | 0.14 | 0.14 | 0.14 | 0.14 | 0.15 | 0.14 | 0.15 | 0.16 | 0.16 | 0.17 | 0.15 | | |
| Lenexa Hills Elementary School | 0.25 | 0.24 | 0.21 | 0.18 | 0.15 | 0.14 | 0.11 | 0.1 | 0.1 | 0.1 | 0.16 | | |
| Merriam Park Elementary School | 0.19 | 0.2 | 0.19 | 0.19 | 0.2 | 0.2 | 0.2 | 0.19 | 0.19 | 0.19 | 0.19 | | |
| Mill Creek Elementary School | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 | 0.18 | 0.19 | 0.17 | | |
| District (K-6): | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | | |

Source: Shawnee Mission School District and Johnson County

Single Family (SF) Table Explanation

- Depicts elementary (K-6) enrollment and the corresponding yield rate for 100 housing units
- Single-Family residential average (.16) or 16 K-6 students for each 100 units has stable over the past decade
- □ Adding newer housing inventory typically can increase the yield rate
 - The Heat map assists in understanding how that has changed over time (Page 27)
 - Residential unit activity provides the basis for timeline and where units likely are built (Page 43)
 - From 2011 to 2019 there were approximately 982 single family units added to the building inventory
 - Single-family residential average (.16) has slightly higher student yield rate when compared to Multi-Family residential (.1) within the district

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

Student Yield Rate (SF) N-W

Elementary Single Family (SF)

| Schools | Year | | | | | | | | | | | | |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | Avg | | |
| Nieman Elementary School | 0.16 | 0.16 | 0.16 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | | |
| Oak Park-Carpenter Elementary School | 0.17 | 0.18 | 0.17 | 0.17 | 0.18 | 0.17 | 0.17 | 0.18 | 0.18 | 0.18 | 0.17 | | |
| Overland Park Elementary School | 0.14 | 0.14 | 0.13 | 0.13 | 0.14 | 0.13 | 0.13 | 0.12 | 0.13 | 0.12 | 0.13 | | |
| Pawnee Elementary School | 0.16 | 0.15 | 0.15 | 0.17 | 0.17 | 0.17 | 0.18 | 0.19 | 0.19 | 0.2 | 0.17 | | |
| Prairie Elementary School | 0.14 | 0.15 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 | 0.18 | 0.18 | 0.17 | 0.16 | | |
| Raymond Marsh Elementary School | 0.18 | 0.18 | 0.18 | 0.17 | 0.16 | 0.17 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | | |
| Rhein Benninghoven Elementary School | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.2 | 0.2 | 0.19 | 0.18 | 0.2 | | |
| Rising Star Elementary School | 0.16 | 0.15 | 0.14 | 0.13 | 0.13 | 0.14 | 0.13 | 0.13 | 0.13 | 0.13 | 0.14 | | |
| Roesland Elementary School | 0.12 | 0.12 | 0.11 | 0.12 | 0.12 | 0.12 | 0.11 | 0.1 | 0.1 | 0.09 | 0.11 | | |
| Rosehill Elementary School | 0.17 | 0.17 | 0.16 | 0.15 | 0.15 | 0.15 | 0.16 | 0.15 | 0.15 | 0.15 | 0.16 | | |
| Rushton Elementary School | 0.11 | 0.12 | 0.12 | 0.12 | 0.11 | 0.12 | 0.12 | 0.12 | 0.11 | 0.1 | 0.12 | | |
| Santa Fe Trail Elementary School | 0.13 | 0.13 | 0.14 | 0.14 | 0.14 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 | 0.13 | | |
| Shawanoe Elementary School | 0.16 | 0.14 | 0.14 | 0.15 | 0.16 | 0.15 | 0.16 | 0.14 | 0.14 | 0.16 | 0.15 | | |
| Sunflower Elementary School | 0.19 | 0.18 | 0.18 | 0.16 | 0.16 | 0.16 | 0.15 | 0.15 | 0.14 | 0.14 | 0.16 | | |
| Tomahawk Elementary School | 0.15 | 0.15 | 0.15 | 0.14 | 0.14 | 0.13 | 0.13 | 0.13 | 0.12 | 0.12 | 0.13 | | |
| Trailwood Elementary School | 0.13 | 0.13 | 0.14 | 0.15 | 0.15 | 0.17 | 0.17 | 0.18 | 0.18 | 0.19 | 0.16 | | |
| Westwood View Elementary School | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.13 | 0.14 | 0.15 | 0.15 | 0.16 | 0.13 | | |
| District (K-6): | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | | |

Source: Shawnee Mission School District and Johnson County

Single Family (SF) Table Explanation

- Depicts elementary (K-6) enrollment and the corresponding yield rate for 100 housing units
- Single-Family residential average (.16) or 16 K-6 students for each 100 units has stable over the past decade
- □ Adding newer housing inventory typically can increase the yield rate
 - The Heat map assists in understanding how that has changed over time (Page 27)
 - Residential unit activity provides the basis for timeline and where units likely are built (Page 43)
 - From 2011 to 2019 there were approximately 982 single family units added to the building inventory
 - Single-family residential average (.16) has slightly higher student yield rate when compared to Multi-Family residential (.1) within the district

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

Student Yield Rate (MF) A-M

Elementary Multi-Family (MF)

| Schools | Year | | | | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | Avg | | |
| Apache Innovative Elementary School | 0.19 | 0.19 | 0.19 | 0.17 | 0.19 | 0.18 | 0.18 | 0.2 | 0.18 | 0.18 | 0.19 | | |
| Belinder Elementary School | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | |
| Bluejacket-Flint Elementary School | 0.1 | 0.06 | 0.07 | 0.11 | 0.11 | 0.11 | 0.11 | 0.08 | 0.08 | 0.11 | 0.09 | | |
| Briarwood Elementary School | 0.07 | 0.09 | 0.09 | 0.09 | 0.1 | 0.09 | 0.07 | 0.06 | 0.07 | 0.07 | 0.08 | | |
| Broken Arrow Elementary School | 0.14 | 0.13 | 0.13 | 0.15 | 0.14 | 0.14 | 0.14 | 0.14 | 0.12 | 0.11 | 0.13 | | |
| Brookridge Elementary School | 0.09 | 0.09 | 0.1 | 0.09 | 0.09 | 0.09 | 0.08 | 0.09 | 0.09 | 0.09 | 0.09 | | |
| Brookwood Elementary School | 0.02 | 0 | 0 | 0 | 0 | 0 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | | |
| Christa McAuliffe Elementary School | 0.13 | 0.11 | 0.12 | 0.11 | 0.12 | 0.11 | 0.12 | 0.1 | 0.11 | 0.11 | 0.11 | | |
| Comanche Elementary School | 0.15 | 0.15 | 0.16 | 0.17 | 0.16 | 0.16 | 0.17 | 0.13 | 0.14 | 0.15 | 0.15 | | |
| Corinth Elementary School | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 | 0.05 | 0.03 | 0.04 | 0.04 | 0.05 | 0.05 | | |
| Crestview Elementary School | 0.1 | 0.09 | 0.08 | 0.07 | 0.08 | 0.09 | 0.09 | 0.09 | 0.08 | 0.08 | 0.08 | | |
| East Antioch Elementary School | 0.04 | 0.05 | 0.04 | 0.03 | 0.03 | 0.03 | 0.05 | 0.04 | 0.04 | 0.03 | 0.04 | | |
| Highlands Elementary School | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0 | 0 | 0 | 0.01 | | |
| John Diemer Elementary School | 0.08 | 0.07 | 0.07 | 0.08 | 0.08 | 0.09 | 0.09 | 0.08 | 0.07 | 0.07 | 0.08 | | |
| Lenexa Hills Elementary School | 0.09 | 0.1 | 0.06 | 0.09 | 0.06 | 0.06 | 0.05 | 0.06 | 0.05 | 0.05 | 0.07 | | |
| Merriam Park Elementary School | 0.14 | 0.15 | 0.15 | 0.15 | 0.14 | 0.13 | 0.14 | 0.15 | 0.14 | 0.12 | 0.14 | | |
| Mill Creek Elementary School | 0.34 | 0.34 | 0.4 | 0.36 | 0.41 | 0.32 | 0.36 | 0.4 | 0.42 | 0.47 | 0.38 | | |
| District (K-6): | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.09 | 0.1 | | |

Source: Shawnee Mission School District and Johnson County

Multi Family (MF) Table Explanation

- Depicts elementary (K-6) enrollment and the corresponding yield rate for 100 housing units
- Multi-family consists of any residential unit that would be classified as Townhome, Duplex, Apartment, and mobile home – basically everything other than single-family
- □ Multi-Family residential average (.1) has been consistent over the past decade
- Adding newer housing inventory typically can increase the yield rate
 - The Heat map assists in understanding how that has changed over time (Page 27)
 - Residential unit activity provides the basis for timeline and where units likely are built (Page 43)
 - From 2011 to 2019 there were approximately 3,952 multi-family units added to the building inventory
 - Single-family residential average (.16) has slightly higher student yield rate when compared to Multi-Family residential (.1) within the district

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

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Student Yield Rate (MF) N-W

Elementary Multi-Family (MF)

| Schools | Year | | | | | | | | | | | | |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | Avg | | |
| Nieman Elementary School | 0.11 | 0.12 | 0.12 | 0.12 | 0.11 | 0.11 | 0.1 | 0.09 | 0.08 | 0.07 | 0.1 | | |
| Oak Park-Carpenter Elementary School | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 | 0.01 | 0.02 | | |
| Overland Park Elementary School | 0.06 | 0.07 | 0.07 | 0.07 | 0.06 | 0.07 | 0.06 | 0.05 | 0.06 | 0.06 | 0.06 | | |
| Pawnee Elementary School | 0.1 | 0.09 | 0.1 | 0.1 | 0.11 | 0.12 | 0.11 | 0.11 | 0.1 | 0.1 | 0.1 | | |
| Prairie Elementary School | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Raymond Marsh Elementary School | 0.01 | 0.01 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.04 | 0.02 | 0.02 | | |
| Rhein Benninghoven Elementary School | 0.16 | 0.16 | 0.17 | 0.18 | 0.21 | 0.19 | 0.17 | 0.17 | 0.18 | 0.16 | 0.17 | | |
| Rising Star Elementary School | 0.1 | 0.11 | 0.11 | 0.11 | 0.1 | 0.11 | 0.09 | 0.09 | 0.09 | 0.08 | 0.1 | | |
| Roesland Elementary School | 0.14 | 0.2 | 0.18 | 0.18 | 0.21 | 0.23 | 0.22 | 0.13 | 0.1 | 0.14 | 0.17 | | |
| Rosehill Elementary School | 0.23 | 0.24 | 0.24 | 0.27 | 0.29 | 0.3 | 0.27 | 0.25 | 0.29 | 0.27 | 0.26 | | |
| Rushton Elementary School | 0.04 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.04 | 0.04 | | |
| Santa Fe Trail Elementary School | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Shawanoe Elementary School | 0.14 | 0.14 | 0.15 | 0.15 | 0.15 | 0.16 | 0.16 | 0.17 | 0.16 | 0.16 | 0.15 | | |
| Sunflower Elementary School | 0.09 | 0.09 | 0.09 | 0.1 | 0.11 | 0.1 | 0.1 | 0.07 | 0.06 | 0.07 | 0.09 | | |
| Tomahawk Elementary School | 0.08 | 0.09 | 0.11 | 0.1 | 0.07 | 0.09 | 0.07 | 0.08 | 0.07 | 0.07 | 0.08 | | |
| Trailwood Elementary School | 0.03 | 0.03 | 0.03 | 0.02 | 0.02 | 0.02 | 0.03 | 0.02 | 0.02 | 0.02 | 0.02 | | |
| Westwood View Elementary School | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.02 | 0.02 | 0 | 0 | | |
| District (K-6): | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.09 | 0.1 | | |

Source: Shawnee Mission School District and Johnson County

Multi Family (MF) Table Explanation

- Depicts elementary (K-6) enrollment and the corresponding yield rate for 100 housing units
- Multi-family consists of any residential unit that would be classified as Townhome, Duplex, Apartment, and mobile home – basically everything other than single-family
- □ Multi-Family residential average (.1) has been consistent over the past decade
- Adding newer housing inventory typically can increase the yield rate
 - The Heat map assists in understanding how that has changed over time (Page 27)
 - Residential unit activity provides the basis for timeline and where units likely are built (Page 43)
 - From 2011 to 2019 there were approximately 3,952 multi-family units added to the building inventory
 - Single-family residential average (.16) has slightly higher student yield rate when compared to Multi-Family residential (.1) within the district

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

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Median Home Value

□ Based on assessed Home Value as provided and maintained by the county assessor's office □ Home values correlated to socio-economic status – new areas tend to be the least affordable Areas shaded in Orange and Red have the greatest Median Home Value, Blue represents the greatest affordability □ Majority of the most affordable properties are located in the oldest part of the community

- □ The most expensive properties tend to be newer developments or established smaller cities in the district



Residential Year Built

- □ Reveals the build out and timing of residential development within the district
- □ Some new areas do not necessarily lead to similar yield rates of like developments
- While areas may be platted for residential it may take several years for houses to be built and new student residents to move in to those residences
- □ The amount of new development appears to have slowed, but it could be a result of how the County data is processed and released to RSP as well as fewer areas remaining for development



Growth Areas

- □ Identifies where development activity is happening (Green)
- □ Identifies possible areas that could develop (Yellow)
- □ The market and property owners desire to build guides the timing of development
- □ Other properties not shown might develop while some shown might not develop
- □ Majority of potential growth is along the western outer areas of the district
- The eastern portion of the district will likely continue to see the demolition and rebuild opportunities



Developments In Progress

The following are the developments that were known at the time of the analysis (Acres and/or Units);

> <u>Current "Shovel Ready"</u>

| PAID | Planning Area Name | Dev Type | Existing Units | Potential Units | City |
|------|-----------------------------|----------|-----------------------|------------------------|-----------------|
| 25 | The Kessler at Meadowbrook | MF | 349 | 72 | Prairie Village |
| 97 | Kenneth Estates Second Plat | SF | 0 | 54 | Shawnee |
| 98 | Kenneth Estates First Plat | SF | 0 | 36 | Shawnee |
| 226 | Fairways at City Center | SF | 167 | 23 | Lenexa |
| 424 | The Estates Of Old Leawood | SF | 17 | 7 | Leawood |
| 575 | Oxford Row | ТН | 0 | 18 | Overland Park |
| 576 | The Peak st Sonoma | MF | 0 | 338 | Lenexa |
| 577 | Villas at Waterside | MF | 0 | 288 | Lenexa |
| 578 | Jayhawk Ridge | MU | 0 | 151 | Lenexa |

Sources : City of Lenexa, Leawood, Overland Park, Prairie Village, Shawnee, Johnson County, & RSP & Associates

- Continue to track annexations and developments to understand the timing and type of developments that could be built
- □ There are many different type of housing products that are under construction
- □ There appears to be more developer potential interest in building within the district that will likely produce multifamily developments
- □ Multi-development residential yields nearly 50% fewer students than Single-family
- Future demographic trends will be influenced by how people end up responding to the effects of the yet to be known "New Normal" of COVID-19

City Analysis (Fairway)

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2016 through 2019 there has been an increase in the number of units and students in Fairway
- 45

City Analysis (Lake Quivira)

Source: Johnson County, Shawnee Mission School District, and RSP & Associates, LLC

Units -Students

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either Single-Family or Multi-Family developments
- Overall from 2016 through 2019 there has been an slight decrease in the number of students in Lake Quivira

City Analysis (Leawood)

Students

100%

100%

100%

100% Students

100%

99%

99%

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2016 through 2019 there has been an increase in the number of students in Leawood (Decreased from 2018 to 2019)

City Analysis (Lenexa)

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2010 through 2019 there has been a decrease in the number of students in Lenexa

City Analysis (Merriam)

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2016 through 2019 there has been a decrease in the number of students in Merriam

City Analysis (Mission)

Table 3 Mission Total Student Analysis

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either Single-Family or Multi-Family developments
- Overall from 2010 through 2019 there has been a decrease in the number of students in Mission

City Analysis (Mission Hills)

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2014 through 2017 there was an increase of students in Mission Hills but it has decreased since 2017

City Analysis (Mission Woods)

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2015 through 2019 there has been an increase in the number of students in Mission Woods

City Analysis (Overland Park)

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either Single-Family or Multi-Family developments
- Overall from 2016 through 2019 there has been an increase in the number of units but the number of students has decreased in Overland Park

City Analysis (Prairie Village)

 Table 3
 Prairie Village Total Student Analysis

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2016 through 2019 there has been an increase in both the number of units and number of students in Prairie Village

City Analysis (Roeland Park)

Source: Johnson County, Shawnee Mission School District, and RSP & Associates, LLC

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2016 through 2019 there has been an increase in the number of units but a decrease in students in Roeland Park

City Analysis (Shawnee)

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2015 through 2019 there has been an increase in the number of units but a decrease in students in Shawnee

City Analysis (Westwood)

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2016 through 2019 there has been an increase in the number of units but a decrease in students in Westwood

City Analysis (Westwood)

Source: Johnson County, Shawnee Mission School District, and RSP & Associates, LLC

- Table 1: The number of Single-Family (SF) units available by year in the city and the number of students attending SMSD
- Table 2: The number of Multi-Family (MF) units available by year in the city and the number of students attending SMSD
- Table 3: The number of Total units available by year in the city and the number of students attending SMSD
- Table 4: The percentage of students in the city who live in either a Single-Family or Multi-Family development
- Overall from 2016 through 2019 there has been an increase in the number of units and similar number of students in Westwood Hills

Development Observations

The following are some general development observations:

- Population and Building activity will likely be stable, monitor the Decennial Census when that information becomes available in 2021
- Dependence of the second secon
- Single-Family residential has the highest propensity to have school aged students, yield rates of this development type are much higher than that of Multi-Family but that could change based on trends of millennials
- □ Majority of new residential development will be concentrated on the western portion of the district
- □ Future residential growth will decrease because there are limited areas for new development
- Affordable housing the key to the future of the district, it is becoming more challenging for builders to construct similar type of housing products that will meet household incomes
- □ The price of homes has an influence on the student change throughout all grade levels
- □ Single-Family residential has the highest propensity to have school aged students, yield rates of this development type are much higher than that of Multi-Family
- Tracking the types of development is important to understand the yield rate of students for every part of the community – there are varying yield rates with all developments – and the attraction of people choosing to move with a home/work environment is an unique situation
- Monitoring the economic impacts of COVID-19 will be critical in understanding in terms of students physically residing in the community or utilizing online learning environments along with how communities adapt to changes with respect to attending sporting events and day to day shopping, as well as interaction with people could radically change where people choose to live, and as such the number of students the district will have in future years

Part Three: Enrollment Projections

Past, Current, Future Enrollment

Source: Shawnee Mission School District and RSP SFM & Demographic Models

Table Observations:

- Enrollment Change Overall stable to declining enrollment projected
- Stability based on new development and demographic shifts
- District decreases by about 200 students (-0.8%) (-0.3% to +0.1% a year)
- Elementary decreases by nearly 300 students (-2.0%) (-1.5% to +0.1% a year)
- □ Middle School decreases by nearly 30 students (-0.8%) (-5.1% to +2.1% a year)
- □ High School increases by about 100 students (+1.3%) (-1.5% to +1.5% a year)

Projection Notes

Past Enrollment is shown three different ways:

- 1. Reside (Based on where a student Resides in relation to the attendance area includes Open Enrollment)
- 2. Attend (Based on what school the student is attending includes Open Enrollment)
- 3. Reside/Attend (Subset of Reside to know how many of the Reside attend the school based on the attendance area they are assigned to)

Projections are shown one way:

- 1. Reside (Based on where a student Resides in relation to the attendance area: Includes Open Enrollment)
- 2. Attend (Based on where the student may likely attend Includes Open Enrollment)

Capacity

- Provided by district administration
- Should be annually examined to ensure appropriate education space is available

Other Items

- Enrollment Grade Configuration in Student Forecast Model (K-6, 7-8, 9-12)
- Open enrollment trends are assumed to follow district policy and will continue like those trends during the projection time frame
- Integrated potential outcomes as a result of COVID-19 that relate to a slowdown in new housing starts and challenges with the economy as it adapts to the "New Normal"

| School | Student | | Past Schoo | l Enrollment | Image: Projection Enrollment Projections 9 2019/20 2020/21 2021/22 2022/23 2023/24 2 516 554 530 529 530 517 538 514 513 514 501 462 501< | | | | | | |
|---|---------------|---------|------------|--------------|---|---------|---------|---------|---------|---------|--|
| | Location | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 | |
| Apache Innovative Elementary | Reside/Attend | 520 | 551 | 521 | 516 | | | | | | |
| K to 6th | Reside | 594 | 618 | 574 | 554 | 530 | 529 | 530 | 517 | 507 | |
| Shawnee Mission West Feeder | Attend | 566 | 594 | 559 | 538 | 514 | 513 | 514 | 501 | 491 | |
| Belinder Elementary | Reside/Attend | 458 | 471 | 443 | 462 | | | | | | |
| K to 6th | Reside | 489 | 508 | 471 | 487 | 472 | 455 | 470 | 470 | 477 | |
| Shawnee Mission East Feeder | Attend | 488 | 493 | 471 | 495 | 476 | 459 | 474 | 474 | 481 | |
| Bluejacket-Flint Elementary | Reside/Attend | 362 | 363 | 347 | 356 | | | | | | |
| K to 6th | Reside | 393 | 392 | 374 | 385 | 384 | 386 | 399 | 412 | 412 | |
| Shawnee Mission North Feeder | Attend | 415 | 402 | 386 | 395 | 395 | 397 | 410 | 423 | 423 | |
| Briarwood Elementary | Reside/Attend | 552 | 545 | 574 | 596 | | | | | | |
| K to 6th | Reside | 612 | 594 | 634 | 650 | 644 | 651 | 654 | 652 | 647 | |
| Shawnee Mission East Feeder | Attend | 563 | 574 | 588 | 610 | 601 | 608 | 611 | 609 | 604 | |
| Broken Arrow Elementary | Reside/Attend | 390 | 360 | 313 | 304 | | | | | | |
| K to 6th | Reside | 411 | 386 | 349 | 347 | 331 | 332 | 331 | 318 | 318 | |
| Shawnee Mission Northwest Feeder | Attend | 443 | 410 | 339 | 335 | 320 | 321 | 320 | 307 | 307 | |
| Brookridge Elementary | Reside/Attend | 523 | 529 | 531 | 546 | | | | | | |
| K to 6th | Reside | 585 | 586 | 581 | 611 | 588 | 590 | 597 | 596 | 601 | |
| Shawnee Mission South Feeder | Attend | 525 | 535 | 540 | 554 | 539 | 541 | 548 | 547 | 552 | |
| Brookwood Elementary | Reside/Attend | 341 | 350 | 368 | 379 | | | | | | |
| K to 6th | Reside | 361 | 363 | 379 | 387 | 403 | 407 | 416 | 427 | 430 | |
| Shawnee Mission South Feeder | Attend | 370 | 379 | 396 | 417 | 427 | 431 | 440 | 451 | 454 | |
| Christa McAuliffe Elementary | Reside/Attend | 335 | 336 | 362 | 357 | | | | | | |
| K to 6th | Reside | 430 | 398 | 401 | 388 | 374 | 373 | 366 | 365 | 365 | |
| Shawnee Mission Northwest and West Feeder | Attend | 395 | 401 | 418 | 421 | 399 | 398 | 391 | 390 | 390 | |
| Comanche Elementary | Reside/Attend | 424 | 412 | 397 | 381 | | | | | | |
| K to 6th | Reside | 495 | 490 | 470 | 434 | 414 | 408 | 395 | 393 | 392 | |
| Shawnee Mission West Feeder | Attend | 466 | 460 | 434 | 403 | 380 | 374 | 361 | 359 | 358 | |
| ELEMENTARY TOTAL | Reside/Attend | 12,852 | 12,958 | 13,270 | 13,293 | | | | | | |
| K to 6th | Reside | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 | |
| | Attend | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 | |

Source: RSP & Associates, LLC - April 2020

63

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

| School | Student | | Past Schoo | l Enrollment | | | Enro | llment Proje | ctions | |
|---|---------------|---------|------------|--------------|---------|---------|---------|--------------|---------|---------|
| | Location | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 |
| Corinth Elementary | Reside/Attend | 509 | 515 | 522 | 527 | | | | | |
| K to 6th | Reside | 528 | 538 | 548 | 551 | 561 | 554 | 557 | 549 | 545 |
| Shawnee Mission East Feeder | Attend | 548 | 556 | 553 | 556 | 566 | 559 | 562 | 554 | 550 |
| Crestview Elementary | Reside/Attend | 321 | 340 | 326 | 327 | | | | | |
| K to 6th | Reside | 367 | 376 | 358 | 354 | 349 | 357 | 353 | 363 | 373 |
| Shawnee Mission North Feeder | Attend | 344 | 360 | 350 | 364 | 350 | 358 | 354 | 364 | 374 |
| East Antioch Elementary | Reside/Attend | 313 | 307 | 317 | 312 | | | | | |
| K to 6th | Reside | 345 | 343 | 354 | 346 | 340 | 341 | 335 | 329 | 325 |
| Shawnee Mission North Feeder | Attend | 384 | 353 | 341 | 331 | 326 | 327 | 321 | 315 | 311 |
| Highlands Elementary | Reside/Attend | 225 | 236 | 246 | 274 | | | | | |
| K to 6th | Reside | 247 | 255 | 259 | 287 | 297 | 313 | 327 | 334 | 345 |
| Shawnee Mission East Feeder | Attend | 320 | 322 | 331 | 345 | 362 | 378 | 392 | 399 | 410 |
| John Diemer Elementary | Reside/Attend | 376 | 366 | 359 | 354 | | | | | |
| K to 6th | Reside | 432 | 426 | 421 | 422 | 408 | 400 | 400 | 394 | 392 |
| Shawnee Mission South Feeder | Attend | 425 | 414 | 406 | 391 | 385 | 377 | 377 | 371 | 369 |
| Lenexa Hills Elementary | Reside/Attend | 0 | 0 | 194 | 213 | | | | | |
| K to 6th | Reside | 204 | 217 | 209 | 227 | 230 | 243 | 241 | 243 | 224 |
| Shawnee Mission Northwest and West Feeder | Attend | 0 | 0 | 203 | 239 | 233 | 246 | 244 | 246 | 227 |
| Merriam Park Elementary | Reside/Attend | 431 | 417 | 419 | 419 | | | | | |
| K to 6th | Reside | 470 | 452 | 451 | 454 | 456 | 450 | 462 | 467 | 462 |
| Shawnee Mission North Feeder | Attend | 474 | 450 | 449 | 452 | 454 | 448 | 460 | 465 | 460 |
| Mill Creek Elementary | Reside/Attend | 322 | 374 | 468 | 481 | | | | | |
| K to 6th | Reside | 439 | 465 | 498 | 516 | 523 | 525 | 535 | 530 | 525 |
| Shawnee Mission Northwest Feeder | Attend | 379 | 429 | 513 | 518 | 532 | 534 | 544 | 539 | 534 |
| Nieman Elementary | Reside/Attend | 484 | 472 | 435 | 418 | | | | | |
| K to 6th | Reside | 527 | 507 | 474 | 464 | 453 | 450 | 429 | 434 | 436 |
| Shawnee Mission North Feeder | Attend | 510 | 499 | 466 | 457 | 445 | 442 | 421 | 426 | 428 |
| ELEMENTARY TOTAL | Reside/Attend | 12,852 | 12,958 | 13,270 | 13,293 | | | | | |
| K to 6th | Reside | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 |
| | Attend | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 |

Source: RSP & Associates, LLC - April 2020

64

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

| School | Student | | Past Schoo | l Enrollment | | | Enrol | Enrollment Projections /22 2022/23 2023/24 2024 0 458 472 45 4 522 536 51 5 484 483 49 8 467 466 47 | | | | | |
|---|---------------|---------|------------|--------------|---------|---------|---------|---|---------|---------|--|--|--|
| | Location | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 | | | |
| Oak Park-Carpenter Elementary | Reside/Attend | 427 | 448 | 464 | 458 | | | | | | | | |
| K to 6th | Reside | 448 | 463 | 482 | 473 | 468 | 460 | 458 | 472 | 452 | | | |
| Shawnee Mission South Feeder | Attend | 499 | 521 | 541 | 541 | 532 | 524 | 522 | 536 | 516 | | | |
| Overland Park Elementary | Reside/Attend | 336 | 351 | 399 | 409 | | | | | | | | |
| K to 6th | Reside | 439 | 434 | 456 | 456 | 472 | 475 | 484 | 483 | 491 | | | |
| Shawnee Mission West Feeder | Attend | 382 | 399 | 436 | 442 | 455 | 458 | 467 | 466 | 474 | | | |
| Pawnee Elementary | Reside/Attend | 396 | 421 | 409 | 417 | | | | | | | | |
| K to 6th | Reside | 448 | 470 | 458 | 461 | 441 | 427 | 427 | 415 | 408 | | | |
| Shawnee Mission West Feeder | Attend | 456 | 477 | 455 | 453 | 435 | 421 | 421 | 409 | 402 | | | |
| Prairie Elementary | Reside/Attend | 395 | 404 | 411 | 397 | | | | | | | | |
| K to 6th | Reside | 411 | 423 | 423 | 418 | 396 | 376 | 358 | 342 | 342 | | | |
| Shawnee Mission East Feeder | Attend | 441 | 450 | 466 | 448 | 433 | 413 | 395 | 379 | 379 | | | |
| Raymond Marsh Elementary | Reside/Attend | 514 | 506 | 508 | 500 | | | | | | | | |
| K to 6th | Reside | 537 | 527 | 526 | 523 | 512 | 517 | 512 | 498 | 503 | | | |
| Shawnee Mission Northwest Feeder | Attend | 538 | 528 | 537 | 526 | 519 | 524 | 519 | 505 | 510 | | | |
| Rhein Benninghoven Elementary | Reside/Attend | 487 | 477 | 473 | 441 | | | | | | | | |
| K to 6th | Reside | 518 | 517 | 518 | 481 | 463 | 448 | 438 | 436 | 448 | | | |
| Shawnee Mission Northwest Feeder | Attend | 566 | 522 | 485 | 466 | 439 | 424 | 414 | 412 | 424 | | | |
| Rising Star Elementary | Reside/Attend | 442 | 423 | 441 | 416 | | | | | | | | |
| K to 6th | Reside | 522 | 500 | 508 | 483 | 491 | 484 | 484 | 480 | 485 | | | |
| Shawnee Mission Northwest and West Feeder | Attend | 581 | 538 | 465 | 435 | 445 | 438 | 438 | 434 | 439 | | | |
| Roesland Elementary | Reside/Attend | 361 | 319 | 309 | 309 | | | | | | | | |
| K to 6th | Reside | 415 | 358 | 345 | 336 | 327 | 314 | 307 | 314 | 327 | | | |
| Shawnee Mission North Feeder | Attend | 394 | 340 | 325 | 328 | 313 | 300 | 293 | 300 | 313 | | | |
| Rosehill Elementary | Reside/Attend | 511 | 501 | 519 | 506 | | | | | | | | |
| K to 6th | Reside | 569 | 546 | 578 | 571 | 559 | 539 | 530 | 523 | 525 | | | |
| Shawnee Mission South Feeder | Attend | 562 | 524 | 540 | 519 | 514 | 494 | 485 | 478 | 480 | | | |
| ELEMENTARY TOTAL | Reside/Attend | 12,852 | 12,958 | 13,270 | 13,293 | | | | | | | | |
| K to 6th | Reside | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 | | | |
| | Attend | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 | | | |

Source: RSP & Associates, LLC - April 2020

65

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

| School | Student Past School Enrollment Location 2016/17 2017/18 2018/19 2019/2 Reside/Attend 342 339 319 304 | | | | | | Enro | llment Proje | ctions | |
|---------------------------------------|--|---------|---------|---------|---------|---------|---------|--------------|---------|---------|
| | Location | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 |
| Rushton Elementary | Reside/Attend | 342 | 339 | 319 | 304 | | | | | |
| K to 6th | Reside | 401 | 390 | 371 | 354 | 340 | 317 | 311 | 299 | 301 |
| Shawnee Mission North Feeder | Attend | 359 | 355 | 338 | 320 | 307 | 284 | 278 | 266 | 268 |
| Santa Fe Elementary | Reside/Attend | 235 | 241 | 227 | 235 | | | | | |
| K to 6th | Reside | 274 | 277 | 259 | 266 | 257 | 267 | 261 | 253 | 261 |
| Shawnee Mission North Feeder | Attend | 280 | 283 | 267 | 290 | 273 | 283 | 277 | 269 | 277 |
| Shawanoe Elementary | Reside/Attend | 349 | 380 | 444 | 458 | | | | | |
| K to 6th | Reside | 471 | 476 | 469 | 482 | 465 | 482 | 481 | 499 | 495 |
| Shawnee Mission Northwest Feeder | Attend | 441 | 453 | 466 | 477 | 461 | 478 | 477 | 495 | 491 |
| Sunflower Elementary | Reside/Attend | 349 | 333 | 346 | 344 | | | | | |
| K to 6th | Reside | 405 | 395 | 379 | 380 | 373 | 365 | 365 | 377 | 369 |
| Shawnee Mission South and West Feeder | Attend | 534 | 535 | 376 | 362 | 362 | 354 | 354 | 366 | 358 |
| Tomahawk Elementary | Reside/Attend | 245 | 245 | 230 | 230 | | | | | |
| K to 6th | Reside | 277 | 268 | 248 | 248 | 260 | 275 | 287 | 281 | 284 |
| Shawnee Mission East Feeder | Attend | 297 | 304 | 293 | 291 | 304 | 319 | 331 | 325 | 328 |
| Trailwood Elementary | Reside/Attend | 337 | 363 | 363 | 371 | | | | | |
| K to 6th | Reside | 364 | 391 | 383 | 398 | 388 | 397 | 387 | 393 | 390 |
| Shawnee Mission East and South Feeder | Attend | 435 | 454 | 448 | 456 | 450 | 459 | 449 | 455 | 452 |
| Westwood View Elementary | Reside/Attend | 240 | 263 | 266 | 276 | | | | | |
| K to 6th | Reside | 251 | 272 | 275 | 284 | 298 | 312 | 316 | 314 | 331 |
| Shawnee Mission East Feeder | Attend | 299 | 307 | 302 | 303 | 321 | 335 | 339 | 337 | 354 |
| ELEMENTARY TOTAL | Reside/Attend | 12,852 | 12,958 | 13,270 | 13,293 | | | | | |
| K to 6th | Reside | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 |
| | Attend | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 |

Source: RSP & Associates, LLC - April 2020

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

| School | Student | | Past Schoo | l Enrollment | | | Enro | llment Proje | ctions | |
|----------------------------------|---------------|---------|------------|--------------|---------|---------|---------|--------------|---------|---------|
| | Location | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 |
| Hocker Grove Middle School | Reside/Attend | 741 | 767 | 785 | 731 | | | | | |
| 7th to 8th | Reside | 816 | 850 | 852 | 804 | 800 | 826 | 787 | 766 | 755 |
| Shawnee Mission North Feeder | Attend | 793 | 804 | 822 | 763 | 764 | 790 | 751 | 730 | 719 |
| Indian Hills Middle School | Reside/Attend | 768 | 762 | 765 | 792 | | | | | |
| 6th and 7th | Reside | 786 | 787 | 793 | 819 | 871 | 860 | 802 | 831 | 851 |
| Shawnee Mission East Feeder | Attend | 834 | 837 | 837 | 865 | 916 | 905 | 847 | 876 | 896 |
| Indian Woods Middle School | Reside/Attend | 692 | 685 | 709 | 735 | | | | | |
| 7th to 8th | Reside | 722 | 713 | 743 | 760 | 802 | 797 | 754 | 747 | 770 |
| Shawnee Mission South Feeder | Attend | 728 | 718 | 745 | 780 | 813 | 808 | 765 | 758 | 781 |
| Mission Valley Middle School | Reside/Attend | 0 | 0 | 0 | 0 | | | | | |
| 7th to 8th | Reside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | Attend | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trailridge Middle School | Reside/Attend | 718 | 731 | 750 | 734 | | | | | |
| 7th to 8th | Reside | 760 | 765 | 782 | 761 | 777 | 744 | 695 | 748 | 750 |
| Shawnee Mission Northwest Feeder | Attend | 756 | 780 | 796 | 783 | 795 | 762 | 713 | 766 | 768 |
| Westridge Middle School | Reside/Attend | 837 | 805 | 841 | 839 | | | | | |
| 7th to 8th | Reside | 893 | 855 | 899 | 905 | 886 | 903 | 882 | 857 | 892 |
| Shawnee Mission West Feeder | Attend | 866 | 831 | 869 | 858 | 848 | 865 | 844 | 819 | 854 |
| MIDDLE TOTAL | Reside/Attend | 3,756 | 3,750 | 3,850 | 3,831 | | | | | |
| 7th to 8th | Reside | 3,977 | 3,970 | 4,069 | 4,049 | 4,136 | 4,130 | 3,920 | 3,949 | 4,018 |
| | Attend | 3,977 | 3,970 | 4,069 | 4,049 | 4,136 | 4,130 | 3,920 | 3,949 | 4,018 |

Source: RSP & Associates, LLC - April 2020

DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical ana geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match

| School | Student | | Past Schoo | l Enrollment | | | Enro | Iment Proje | ctions | |
|---------------------------------------|---------------|---------|------------|--------------|---------|---------|---------|-------------|---------|---------|
| | Location | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 |
| Shawnee Mission East High School | Reside/Attend | 1,584 | 1,621 | 1,625 | 1,602 | | | | | |
| 9th to 12th | Reside | 1,650 | 1,689 | 1,705 | 1,680 | 1,680 | 1,700 | 1,757 | 1,779 | 1,770 |
| | Attend | 1,745 | 1,793 | 1,784 | 1,759 | 1,759 | 1,779 | 1,836 | 1,858 | 1,849 |
| Shawnee Mission North High School | Reside/Attend | 1,386 | 1,398 | 1,424 | 1,451 | | | | | |
| 9th to 12th | Reside | 1,621 | 1,614 | 1,643 | 1,664 | 1,719 | 1,663 | 1,662 | 1,622 | 1,583 |
| | Attend | 1,479 | 1,477 | 1,501 | 1,517 | 1,575 | 1,519 | 1,518 | 1,478 | 1,439 |
| Shawnee Mission Northwest High School | Reside/Attend | 1,576 | 1,520 | 1,490 | 1,477 | | | | | |
| 9th to 12th | Reside | 1,680 | 1,627 | 1,582 | 1,557 | 1,592 | 1,593 | 1,605 | 1,554 | 1,526 |
| | Attend | 1,704 | 1,648 | 1,633 | 1,627 | 1,653 | 1,654 | 1,666 | 1,615 | 1,587 |
| Shawnee Mission South High School | Reside/Attend | 1,386 | 1,376 | 1,376 | 1,363 | | | | | |
| 9th to 12th | Reside | 1,505 | 1,501 | 1,495 | 1,483 | 1,442 | 1,478 | 1,537 | 1,550 | 1,534 |
| | Attend | 1,476 | 1,473 | 1,485 | 1,454 | 1,422 | 1,458 | 1,517 | 1,530 | 1,514 |
| Shawnee Mission West High School | Reside/Attend | 1,694 | 1,668 | 1,579 | 1,548 | | | | | |
| 9th to 12th | Reside | 1,835 | 1,830 | 1,770 | 1,714 | 1,785 | 1,778 | 1,797 | 1,816 | 1,787 |
| | Attend | 1,767 | 1,726 | 1,641 | 1,614 | 1,670 | 1,663 | 1,682 | 1,701 | 1,672 |
| Horizon Alternative High School | Reside/Attend | 0 | 0 | 0 | 0 | | | | | |
| 9th to 12th | Reside | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Attend | 120 | 144 | 151 | 127 | 139 | 139 | 139 | 139 | 139 |
| ELEMENTARY TOTAL | Reside/Attend | 12,852 | 12,958 | 13,270 | 13,293 | | | | | |
| K to 6th | Reside | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 |
| | Attend | 14,679 | 14,621 | 14,483 | 14,478 | 14,267 | 14,219 | 14,203 | 14,172 | 14,188 |
| MIDDLE TOTAL | Reside/Attend | 3,756 | 3,750 | 3,850 | 3,831 | | | | | |
| 7th to 8th | Reside | 3,977 | 3,970 | 4,069 | 4,049 | 4,136 | 4,130 | 3,920 | 3,949 | 4,018 |
| | Attend | 3,977 | 3,970 | 4,069 | 4,049 | 4,136 | 4,130 | 3,920 | 3,949 | 4,018 |
| HIGH TOTAL | Reside/Attend | 7,626 | 7,583 | 7,494 | 7,441 | | | | | |
| 9th to 12th | Reside | 8,291 | 8,261 | 8,195 | 8,098 | 8,218 | 8,212 | 8,358 | 8,321 | 8,200 |
| | Attend | 8,291 | 8,261 | 8,195 | 8,098 | 8,218 | 8,212 | 8,358 | 8,321 | 8,200 |
| DISTRICT TOTALS | Reside/Attend | 24,234 | 24,291 | 24,614 | 24,565 | | | | | |
| K to 12th | Reside | 26,947 | 26,852 | 26,747 | 26,625 | 26,621 | 26,561 | 26,481 | 26,442 | 26,406 |
| | Attend | 26,947 | 26,852 | 26,747 | 26,625 | 26,621 | 26,561 | 26,481 | 26,442 | 26,406 |

Source: RSP & Associates, LLC - April 2020

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DISCLAIMER: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by student geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

10-Year Outlook By Grade

Past, Current, and Future Enrollment From 2010/11 to 2029/30

| Grade | | | | | | | | | | Schoo | l Year | | | | | | | | | |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 2010/11 | 2011/12 | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 | 2021/22 | 2022/23 | 2023/24 | 2024/25 | 2025/26 | 2026/27 | 2027/28 | 2028/29 | 2029/30 |
| к | 2,135 | 2,181 | 2,157 | 2,254 | 2,120 | 2,091 | 2,118 | 2,141 | 2,024 | 2,052 | 2,048 | 2,027 | 2,002 | 2,034 | 2,092 | 2,134 | 2,113 | 2,134 | 2,113 | 2,092 |
| 1st | 2,173 | 2,171 | 2,207 | 2,152 | 2,252 | 2,161 | 2,050 | 2,105 | 2,134 | 2,065 | 2,063 | 2,049 | 2,038 | 2,012 | 2,043 | 2,100 | 2,141 | 2,121 | 2,143 | 2,071 |
| 2nd | 2,115 | 2,176 | 2,145 | 2,214 | 2,124 | 2,243 | 2,100 | 2,057 | 2,111 | 2,116 | 2,070 | 2,074 | 2,061 | 2,052 | 2,026 | 2,063 | 2,098 | 2,165 | 2,119 | 2,141 |
| 3rd | 2,055 | 2,089 | 2,116 | 2,119 | 2,192 | 2,095 | 2,186 | 2,055 | 2,003 | 2,069 | 2,064 | 2,024 | 2,032 | 2,022 | 2,010 | 1,979 | 2,042 | 2,050 | 2,187 | 2,070 |
| 4th | 2,193 | 2,065 | 2,033 | 2,059 | 2,107 | 2,150 | 2,068 | 2,170 | 2,023 | 1,987 | 2,051 | 2,051 | 2,011 | 2,021 | 2,014 | 2,040 | 1,959 | 2,062 | 2,071 | 2,229 |
| 5th | 2,071 | 2,173 | 2,039 | 2,009 | 2,051 | 2,092 | 2,101 | 2,044 | 2,182 | 2,022 | 1,987 | 2,045 | 2,048 | 2,012 | 2,016 | 1,990 | 2,071 | 1,955 | 2,101 | 2,013 |
| 6th | 2,082 | 2,048 | 2,112 | 2,038 | 2,005 | 2,036 | 2,056 | 2,049 | 2,006 | 2,167 | 1,984 | 1,949 | 2,011 | 2,019 | 1,987 | 1,982 | 1,948 | 2,112 | 1,922 | 2,065 |
| 7th | 2,023 | 2,051 | 1,987 | 2,060 | 1,993 | 2,005 | 1,993 | 2,017 | 2,059 | 1,991 | 2,155 | 1,978 | 1,945 | 2,007 | 2,015 | 1,973 | 1,968 | 1,934 | 2,097 | 1,893 |
| 8th | 1,973 | 1,987 | 1,994 | 1,992 | 2,046 | 1,989 | 1,984 | 1,953 | 2,010 | 2,058 | 1,981 | 2,152 | 1,975 | 1,942 | 2,003 | 1,992 | 1,957 | 1,952 | 1,919 | 2,061 |
| 9th | 2,339 | 2,249 | 2,230 | 2,260 | 2,307 | 2,379 | 2,252 | 2,242 | 2,205 | 2,200 | 2,284 | 2,194 | 2,390 | 2,188 | 2,155 | 2,239 | 2,014 | 2,172 | 1,972 | 1,946 |
| 10th | 2,166 | 2,118 | 2,024 | 2,010 | 2,089 | 2,082 | 2,065 | 2,067 | 2,116 | 2,108 | 2,068 | 2,137 | 2,054 | 2,240 | 2,043 | 2,024 | 2,127 | 2,012 | 2,040 | 1,952 |
| 11th | 2,042 | 2,085 | 2,007 | 1,886 | 1,958 | 2,041 | 2,000 | 2,016 | 1,936 | 1,952 | 1,992 | 1,961 | 2,021 | 1,944 | 2,124 | 1,931 | 1,963 | 2,084 | 1,990 | 2,009 |
| 12th | 2,177 | 2,037 | 2,051 | 1,986 | 1,877 | 1,925 | 1,974 | 1,936 | 1,938 | 1,838 | 1,874 | 1,920 | 1,893 | 1,949 | 1,878 | 2,039 | 1,892 | 1,884 | 2,001 | 2,010 |
| K-5 | 12,742 | 12,855 | 12,697 | 12,807 | 12,846 | 12,832 | 12,623 | 12,572 | 12,477 | 12,311 | 12,283 | 12,270 | 12,192 | 12,153 | 12,201 | 12,306 | 12,424 | 12,487 | 12,734 | 12,616 |
| 6-7 | 4,105 | 4,099 | 4,099 | 4,098 | 3,998 | 4,041 | 4,049 | 4,066 | 4,065 | 4,158 | 4,139 | 3,927 | 3,956 | 4,026 | 4,002 | 3,955 | 3,916 | 4,046 | 4,019 | 3,958 |
| 8-9 | 4,312 | 4,236 | 4,224 | 4,252 | 4,353 | 4,368 | 4,236 | 4,195 | 4,215 | 4,258 | 4,265 | 4,346 | 4,365 | 4,130 | 4,158 | 4,231 | 3,971 | 4,124 | 3,891 | 4,007 |
| 10-12 | 6,385 | 6,240 | 6,082 | 5,882 | 5,924 | 6,048 | 6,039 | 6,019 | 5,990 | 5,898 | 5,934 | 6,018 | 5,968 | 6,133 | 6,045 | 5,994 | 5,982 | 5,980 | 6,031 | 5,971 |
| District | 27,544 | 27,430 | 27,102 | 27,039 | 27,121 | 27,289 | 26,947 | 26,852 | 26,747 | 26,625 | 26,621 | 26,561 | 26,481 | 26,442 | 26,406 | 26,486 | 26,293 | 26,637 | 26,675 | 26,552 |
| Enrollment | 27,544 | -114 | -328 | -63 | 82 | 168 | -342 | -95 | -105 | -122 | -4 | -60 | -80 | -39 | -36 | 80 | -193 | 344 | 38 | -123 |

Sources: 2010/11 to 2019/20 Shawnee Mission School District

2020/21 to 2024/25 RSP & Associates SFM Projections from the 2019/20 Enrollment 5-Year Projections

2025/26 to 2029/30 RSP & Associates estimates based on past enrollment change factors

Special Notes:

RSP forecast does not include Private, Parochial, or Home School students residing in the district

RSP forecast does include students who do not reside in the SMSD boundaries but are attending the SMSD schools

Understanding the Data in the Table:

- Enrollment is anticipated to increase at all grade levels
- □ Kindergarten roundup is a key element to know if future kindergarten projections will be accurate
- Building permits should be monitored to ensure the amount and type of development will continue to yield students
- Economic trends will also influence the accuracy of enrollment projections

<u>DISCLAIMER</u>: All past student data is exported from the district student database allowing the ability to do robust statistical analysis by studen geography. The student database export will not always align perfectly with the Official Count (Statistical 99% or greater match by grade)

Part Four: Moving Forward

Next Steps

The following items will assist the district advance its educational goals;

- Enrollment projections should be conducted on annual basis as well as assist with planning and staffing need for the following school year
- Specialized program locations may influence how a neighborhood changes or where that program could be located will impact how space is utilized in each school
- □ The type of residential development and how affordable it is will determine likely location and number of students last few years has seen considerable multi-family and more of that type of housing is in the works typically fewer K-12 students are in these type of developments.
- Continue to make decisions and communicate that information to the community so they can understand how Shawnee Mission is a learning community committed to ensuring educational equity and excellence so the students of all races and backgrounds achieve high levels and graduate prepared for success in college, careers and life in a divers and rapidly changing world.
- RSP Enrollment forecasting is based on the best-known information at the time. COVID-19 has presented a challenge as it is unknown how this event may impact enrollment, demographics, and development trends in each individual school district. RSP has started with some of the short-term knowns to include social distancing and people working more from home environments, school closures, and no clear timeline for this pandemic to work its way through our communities. As a result, the RSP forecast may indicate some short-term decrease in residential development activity and economic uncertainty for the next year to 18 months. RSP is hopeful a cure, change in season, or other solution happens to decrease the potential negative outcomes and as such recommends collaborating with RSP prior to the school year to best plan for the changes happening in your district.

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