


Orange Unified School District

Orange, California


Demographic Report of 7-Year Student Projections By Residence

Fall 2020-2026

February 27, 2020



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Orange Unified School District

SY 2019/2020

Table of Contents**Introduction and District Background****Executive Summary****Section One**

Sources of Data	1
1) Fall Enrollment (October 2019)	1
2) Historical Enrollment	1
3) Live Birth Data	2
4) Projected Housing Development	2
5) Student Yield Factors	2
6) Student Mobility Factors	2

Section Two

Methodology Used for the Projections by "Residence"	3
Variables Used in the "Seven-Year" Projections	3
1) Incoming Kindergarten Class (Birth Factors)	3
2) Student Yield Factors	7
3) Student Mobility Factors	8
4) Residential Development	10
Applying the Variables that Generate the Projections	13

Section Three

Attendance Matrices	15
Reading the Matrices	15

Section Four

District Wide Projections by "Residence"	21
District Wide Projection Trends	24
"Residential" Projection Summaries	24
District Wide Projections Summary by "Residence"	25
Elementary School (K-6) Student Projections by "Residence"	26
Middle School (7-8) Student Projections by "Residence"	32
High School (9-12) Student Projections by "Residence"	35

Appendices

Appendix A	
Listing of Each Attendance Area by Study Area for Each School	A-1
Elementary Schools	A-2
Middle Schools	A-4
High Schools	A-5
Study Area Map	A-6
Appendix B	
Attendance Area Projections Using the "Residence" Method	B-1
Elementary School Attendance Area Projections	B-2
Middle School Attendance Area Projections	B-11
High School Attendance Area Projections	B-13

February 27, 2020



Table of Contents

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District SY 2019/2020

Appendix C	
Individual Staffing Projections	C-1
Elementary School Staffing Projections	C-3
Middle School Staffing Projections	C-12
High School Staffing Projections	C-14
Other School Staffing Projections	C-15
Appendix D	
Individual Study Area Projections	D-1
Appendix E	
District-wide Demographic Studies*	E-1
Housing Profile	E-2
Demographic and Income Profile Report	E-4

*The Third-Party Demographic Reports are prepared using ESRI's Business Analyst Online (BAO). Reports are created by overlaying the Orange Unified School District boundary onto the ESRI BAO data. These reports are for informational purposes only; DDP is not responsible for the accuracy of the data.

List of Individual Figures and Inserts

Table 1 – Student Accounting Summary	1
Table 2 – Birth Factors by Current High School Boundaries	4
Table 3 – Live Birth Counts by Zip Code	5
Map 1 – Zip Codes for Orange Unified School District	6
Table 4 – Student Yield Factors	7
Table 5 – Student Mobility Factors	9
Map 2 – Active Residential Development Projects Over the Next 7 Years	11
Active Residential Development Projects Over the Next 7 Years Summary	12
Chart 1 – Projections by Residence Flowchart	14
Elementary School (K-6) Attendance Matrix	18
Middle School (7-8) Attendance Matrix	19
High School (9-12) Attendance Matrix	20
District Wide Projections by "Residence"	21
Chart 2 – Historical and Projected K-12 Enrollment	22
Chart 3 – Historical TK-6, 7-8 and 9-12 Enrollment	23
Table 6 – Projected Net Growth/Decline for Each Elementary Attendance Area	28
Map 3 – Projected K-6 Student Counts by Elementary Attendance Area – Current Fall 2019/20 Counts	29
Map 4 – Projected K-6 Student Counts by Elementary Attendance Area – Projected Fall 2022/23 Counts	30
Map 5 – Projected K-6 Student Counts by Elementary Attendance Area – Projected Fall 2026/27 Counts	31
Map 6 – Projected 7-8 Student Counts by Middle Attendance Area	34
Map 7 – Projected 9-12 Student Counts by High Attendance Area	38
Map 8 – Study Area Map	A-6

Orange Unified School District

SY 2019/2020

Introduction and District Background

In 2019, the Orange Unified School District (Orange USD/District) contracted with Davis Demographics & Planning, Inc. (DDP) to update its demographic study using Fall 2019 student data and new housing information. The current report includes projections through the next seven years that are conducted at the Study Area, Attendance Area and District-wide levels. These projections are conducted by "residence" which is based upon where the *students actually live*, as opposed to using the "actual" *current enrollment* at each facility which is based upon what school the students actually attend (this type of projection is used for "staffing" purposes and has been provided to the District staff in a separate report). The reasons for updating this study included the following: changing enrollment patterns, increasing residential activity, and the need to evaluate future site requirements. In addition to student data, maintained by DDP since 1996, DDP has updated its database of planned housing information to reflect the most current and future development trends within the District. The methodology used to calculate the "residence" projections will be discussed in greater detail later in the report.

The rate of new home construction in the District slowed down drastically after 2008 when the downturn in the economy occurred, but 10 years later, it appears that it has started to pick up again. There are several large residential projects that had been planned to have started many years ago and have been put on hold and now appear to be finally expected to be built over the next seven years. Most of the new housing in the District in recent years was of the multi-family rental variety and it continues to be the case. Based upon the best available information, these projections are the scenario for the foreseeable future. Development plans change, and therefore, new projections and adjustments to the overall District facility planning will continue to be necessary in the future.

The purpose of this report is to inform the District of the following: the changes in trends occurring in the community; how these trends may affect future student enrollment; and to help show facility requirements that may be necessary to accommodate the proposed future growth. The District can then get a better idea on the need, location, and timing of future schools. In Section One, entitled **Sources of Data**, we explain how and where the data was gathered for the projections.

In the **Methodology Used for the Projections by "Residence"** section (Section Two), we will discuss in greater detail how the factors in the study were calculated and why they were used. Section Two focuses on the factors used in the projections by "residence". This projection uses the following factors: the calculation of incoming Kindergarten classes ("birth rates"), additional enrollment from new housing (new residential development multiplied by "student yield factors"), and the net effects of student mobility within the District (in/out migration of families, or "resales").

Section Three includes the **Attendance Matrices** and explains how to read them and why they are included in this report. One of the main reasons for including the Elementary, Middle and High School attendance matrices at this point of the report is to help explain the differences between the "residential" projections versus "actual enrollment". Reading across the matrices shows the reader how many students live in a school's attendance area, while reading down the matrices breaks down the total students "attending" a particular school. The matrices also help to show the inter- and intra-District transfers that the District is currently experiencing.

Section Four has a review of the projection results based upon the Fall 2019 student base. First, there will be a general overview of the growth trends occurring in the District in recent years. The rest of Section Four lists and analyzes the **District-wide Projection Trends** and the predicted impact for the next seven years. Deciding where future schools should be located and generating new attendance boundary scenarios need to be based upon *student residence*.

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Executive Summary

In recent years, the Orange USD (and many other districts in Southern California) has begun to see the K-6 grade class sizes start to drop as the larger grade classes move on into the later grades (in the District's middle and high schools). Higher birthrates in the late 80's and early 90's added a significant number of students to the District from 1998-2003. These "new" students had created a "bubble" of students that has now completely passed through the District's high schools as of Fall 2016. Most of the District's current 5th through 12th grade classes are between 1,951-2,224 students. However, it is now the Kindergarten through 4th grade class sizes that have begun to shrink even more and they range from 1,835-1,964 students, which helps explain the continuous declines in the forecasts. The projections in this year's report show that the Orange USD K-12 student population is expected to continue to decline over the next seven years.

The following is a summary of Analyses and Suggestions from Section Four of this report:

The District-wide Projection Summary by "Residence" finds that the Orange USD, as of October 2019, had 27,030 TK-12 students attending a District facility (which is down 406 TK-12 students from the 27,436 it had in 2018; 30,310 in 2010). Over the next seven years, the projections show that the Orange USD is expected to have a net decline of 2,961 TK-12 students (24,066 TK-12 students by Fall 2026), or a net decline percentage of 11%. The District is expected to continue to decline for the next seven years, but the degree of severity may vary from losing 288-499 students from one year to another. One factor that can change this trend is for larger housing projects to begin in the near future. At the time of updating development data, there were no significant increases in new single-family housing starts planned for the next seven years. In the past, there were new large housing developments planned by The Irvine Company (Santiago Hills Phase II) that could have started but this possibility of occurring is uncertain at best. Current economic conditions and new housing sales have had a dramatic effect on the District's current and future enrollment patterns. If the Santiago Hills Phase II project winds up being pushed out further or does not happen at all, then the student projections in later years beyond 2026 could be significantly less than anticipated. Keep in mind that the potential growth in the Chapman Hills ES area would mask the overall declining enrollment in other regions of the District.

The Orange USD reached its peak K-6 enrollment back in 2001 when it reached just over 18,000 students. As of Fall 2019, the District had 14,216 TK-6 students and could lose another 328 TK-6 students by Fall 2020 (13,888 TK-6) and another 227 TK-6 total student loss by Fall 2021 (13,661 TK-6). From 2022 through 2026, the District's TK-6 student population could drop to around 12,753 elementary students. The TK-6 declines are not expected to stop even with new apartments and small Single and Multi-Family projects being constructed over the next seven years. If these new housing projects are delayed, then the anticipated TK-6 decline in the later years of the projections may show greater losses in enrollment.

In Fall 2003, the Orange Unified School District reached its peak 7-8 student population at 5,161. Currently, the Orange USD has 4,290 7-8 students attending one of their schools and that figure may decline by 41 students to 4,249 by Fall 2020 and then continue to see more declines thereafter through 2026 (3,705 7-8 students).

The "bubble" of students began entering the District's high schools about 10 years ago which caused the District's 9-12 student population to grow and peak around Fall 2008 (10,005). Smaller grade class sizes have been entering the middle schools since 2003 and finally hit the District's high schools in 2009. In 2008, Orange USD's 9-12 student enrollment figure was at its peak with 10,005, in 2016 it was 9,018, and is now 8,524 in October 2019. The seven-year projections have this declining trend at the high school grades continuing with losses as small as 25-263 students from one year to the next. The high schools can expect to decline to around 7,609 by 2026 (a net loss of 915

February 27, 2020



Executive Summary

Orange Unified School District

SY 2019/2020

9-12 students). The 9-12 declines could continue if large planned developments do not occur over the projection timeframe.

The Orange USD reached its peak K-6 enrollment (18,022), to Fall 2007, when it reached its lowest K-6 count since 1995 (15,417 K-6 in 2007), the Orange USD lost 2,605 K-6 students (or a 14.5% loss). Since 2007, the District has lost 1,201 elementary school students (14,216 in 2019). At the District-wide level, the TK-6 projections by "residence" show that there will be continuous decreases through 2026 with the District losing another 1,463 TK-6 students over that seven-year span (14,216 in 2019 to 12,753 in 2026). Eight of the current elementary attendance areas are expected to see stable student populations (+/- the size of a classroom) over the next seven years (see Table 6 on page 28). Keep in mind that TK-6 students could grow if new or previously planned development, such as Santiago Hills Phase II, breaks grown over the course of the projection timeframe. Please see the maps on pages 29-31 of the current and projected elementary school students for each District attendance area.

From 2009 through 2013 the Orange USD 7-8 counts remained fairly stable around 4,600 students. In 2014 that figure dropped to 4,439 7-8 students enrolled. In fact, the drop from 2013 to 2014 (170 7-8 students) was the largest 7-8 student decline since 2005. Orange USD 7-8 student population is expected to see an overall decline of 585 7-8 students through 2026. This decline is mostly due to smaller grade classes entering the District's middle schools from the feeder elementary schools. Currently (Fall 2019), the Orange USD middle school (7-8) student population is at 4,290 and can be at 3,705 7-8 students by Fall 2026. Assuming that the Santiago Hills Phase II units do not start construction before 2026, then the middle school grades could continue to decrease beyond the scope of these projections (past Fall 2026).

Based upon October 2019 enrollment figures, three of the District's four high schools (Canyon, El Modena, and Villa Park) all are near or exceed 2,000 9th-12th grade students. Orange has been dramatically dropping its enrollment despite the population in its attendance area remaining high (the highest in the District). According to the historical data, it appears that the District reached its peak enrollment for its high schools around the Fall 2008 school year (10,005 9-12 students) and has lost about 1,481 9-12 students over the past ten years (8,704 in 2018). The projections show that the District should continue to see an overall decline in their 9-12 enrollment for the next seven years (losing another 915 9-12 students). The degree of loss in the 9-12 student population over the next seven years could be lessened by any new housing construction activity and if birth rates continue to rise. If any of the new developments, including the start-up of the Santiago Hills Phase II units as well as the many new apartment complexes in the south of the District are delayed, then decreases in the 9-12 student population may worsen.

Dramatic changes to the economy and housing market starting in 2008 had a drastic impact on the area's demographics and have had a direct effect on the enrollment at Orange USD. The sharp decline in the construction of new homes, the reduction in selling of existing homes along with the increase of home foreclosures have all helped to contribute to the aging of the student population. Declines in the birth rates over the past 5-10 years have resulted in smaller Kindergarten class sizes over the last 5-6 years (see Chart 3 on page 23). At this point the Southern California housing market has made improvements over the last few years, but it is quite a bit less than the area had been experiencing a decade ago. Therefore, it is critical to closely monitor the housing market in Orange County, as well as the Orange USD area and update the student projections annually to see if there is any reversal of these patterns. A more detailed analysis at the individual school attendance area level is broken down at the K-6, 7-8 and 9-12 grade groupings and can be found in Section Four.

February 27, 2020



Executive Summary



Orange Unified School District

SY 2019/2020

Section One**Sources of Data**

Six basic types of information were compiled and reviewed for use in preparing this year's student projections. The six basic types of information that were used are: 1) the actual Fall 2019 student enrollment data; 2) historical enrollment (Fall 2016 – Fall 2019); 3) live birth data; 4) projected housing development; 5) student yield factors; and 6) student mobility factors. As one might assume, the accuracy of any statistical forecast or projection depends on the quality of the information. DDP compared current and historical data from available sources to ensure that the projection data mirrors prevailing circumstances in the District as closely as possible.

- 1) **Fall Enrollment (October 2019)** by grade level and by study area is used as a base for the projections by "residence." DDP received a download of the Orange USD student data around the 2019 CBEDS date (early October) and verified the records with the District. The student file was then "mapped" against the most up-to-date street data. This resulted in the student records being placed along the proper street in which they live. This process is called "address-matching" or "geocoding." Once completed this gives DDP the ability to find each student's actual place of residence. Each student record also has their school of enrollment and allows DDP to generate Attendance Matrices (pages 18-20), which shows where the students live in relation to the school that they attend. The projections are run each year from Fall 2020 through Fall 2026. Continuation High School students have been included in the "residential" projections; while Special Day Class (SDC) students have been excluded. In many school districts, SDC students are not necessarily graded and do not always attend their local school. For these reasons DDP feels that it is inappropriate to "mix" these students with regular graded students in the projections by "residence" and, therefore has excluded SDC. However, SDC students have been added back into the District summary projections on a proportional basis. Please see the Attendance Matrices for a breakdown of the student enrollment used in the projections.

Student Accounting - The Student Accounting Summary (Table 1) shows the total student enrollment as of October 2019 and the number of students used in the seven-year student population projections. The projection model is based upon student residence and excludes students residing outside of the District's boundaries, students unable to be address matched and special education students (special education students usually attend a school that services their need).

Table 1
Student Accounting Summary

School Year 2019/20 (Representing October 2019)	
Total Students Provided by District	27,305
Students living out of District	-962
Special Day Class (SDC) Students	-813
Adult Education Students	-89
Pre-Kindergarten Students	-186
Resident TK-12 Students	25,255
Transitional Kindergarten Students (Projected Separately)	-615
Total K-12 Students Used in the Projections	24,640

- 2) **Historical Enrollment** compares past student population growth as well as the effects of mobility throughout the District. Enrollment by grade level for each study area was

February 27, 2020



Section One – Page 1

Orange Unified School District

SY 2019/2020

determined by DDP from District records for 2016-2019. Past growth trends and mobility are reviewed at the study area (small geographic regions of focus), attendance area and district-wide levels. Mobility will be discussed in greater detail in the **Methodology Used for the Projections by "Residence"** section of this report.

- 3) **Live Birth Data** was obtained from the California State Department of Health Services Vital Statistics Division. Birth factors were calculated by using live birth counts, available at the zip code level, and correlating those zip codes with the District boundary as well as the District's high school attendance areas. The change in historical birth data was used to estimate incoming Kindergarten enrollment from existing housing during the projection years.
- 4) **Projected Housing Development** is tracked as tentative tract maps are filed, DDP mapped and entered the development information into a database and checked for changes in status. Individual residential developers were contacted for updates on phasing/construction schedules. DDP also worked with District staff in finding future projects and estimating dates of occupancy.
- 5) **Student Yield Factors** (sometimes referred to as "Student Generation Rates") represent the average number of students living in certain types and ages of homes. These factors were used to estimate the number of students to be generated from housing currently under construction as well as future residential development. The "student yield factors" were determined previously from a large sample of the existing housing units within the District's boundary. The sample included three major housing types: single-family detached [SFD], multi-family attached [MFA] (town homes and condominiums), and apartments [APT]. DDP did not update the District's Student Yield Factors for this year's report and used the same figures as year.
- 6) **Student Mobility Factors** are also a necessary part of the projections, because they take into account the migration of families in and out of the District boundaries. The "mobility factors" represent a large sampling of established neighborhoods within the District that have not experienced the impact of new residential development in recent years. DDP has compiled the District's historical student data down to small planning areas called "study areas" and has made comparisons at this level going back for the past four years. By cutting the impact of new housing, down to the neighborhood level, DDP can determine accurate rates of student movement within the District. This factor helps account for housing "resales," renter migration and dropouts.

How and why DDP calculated each factor that goes into this report will be discussed in greater detail in the next section entitled, **Methodology Used for the Projections by "Residence."**

February 27, 2020



Section One – Page 2

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Section Two

Methodology Used for the Projections by "Residence"

The projection methodology used in this study combines historical enrollment figures, past and present demographic characteristics, and planned residential development to forecast future development at the study area level. District-wide and attendance area projections are summarized from the individual study area projections. It is important to note that these projections are based on where the students live and where they should be attending school. In the projections, DDP utilizes the actual location of where the students reside, as opposed to their school of enrollment, to provide the most accurate depiction of where future schools (if necessary) should be located. The best way to plan for future schools is to know where the next group of students will be coming from, not necessarily which school they are currently attending. The following paragraphs detail how the data described in the earlier section is used in preparing the "seven-year" student projections.

Variables Used in the "Seven-Year" Projections

1) Incoming Kindergarten Class (Birth Factors)

For each year of the projection, 12th grade students graduate, and continuing students progress to the next grade level, while a new Kindergarten class enters the system. DDP accounts for the "new" Kindergarten classes, in part, by multiplying the existing Kindergarten class size by a "birth factor." These factors increase or decrease the next year's Kindergarten class, depending on the rate of change.

Live birth data is reported to the California State Department of Health, Vital Statistics Division, by the resident postal zip code of the mother. For estimating incoming Kindergarteners, DDP broke the District into four distinct regions, based upon the District's four current high school attendance areas. DDP correlated the Orange USD's current high school attendance areas with the corresponding zip code areas. DDP determined that it would be best to examine birth rates at the seven predominant zip code areas rather than use a District-wide average. This is due to certain areas of the District experiencing differing rates of birth (see the map on page 6 for the District's zip codes).

The assumption underlying the use of birth statistics from year to year is that increases or decreases in the number of births will translate to increases or decreases in future kindergarten enrollment. Furthermore, the Fall 2019 kindergarten class in Orange USD was born five years earlier in 2014. Any later changes in births in 2015 compared to 2014 and 2016 to 2014, etc. would either increase or decrease future kindergarten class sizes.

Incoming kindergarten classes, for existing homes, are estimated by comparing changes in past births in the area. Table 3 illustrates the total births for each of the District's seven main zip codes for years 2014 to 2018 (see the map on page 6 for the District's zip codes). DDP assumes the current kindergarten class (2019/20 SY) was born five years ago (2014). Future incoming kindergarten classes are estimated by comparing the number births in 2014 to the number of births in 2015 through 2018. DDP compared the total births in 2014 to the total births in 2015, to determine a factor for next year's kindergarten class (2020/21). The 2014 births were compared to 2016 (2021/22's K class), 2014 to 2017 (2022/23's K class), and 2014 to 2018 (2023/24's K class).

The following steps should help explain how DDP arrived at the birthrates used in the study (to estimate the number of incoming Kindergarteners for Fall 2020 through Fall 2026):

1. Historical live birth data by zip code was acquired from the California Vital Statistics Department (Sacramento, CA). Since the Fall 2019 student data is the base for the projections

February 27, 2020



Section Two - Page 3

Orange Unified School District

SY 2019/2020

in this report, then the Fall 2019 Kindergarten (K) class was to be used as the base for the birth rates. It is assumed that most of the 2019 K class was born in 2014, therefore the 2014 birth data becomes the "base year" for the birth rates.

2. DDP collected live birth data for the seven predominant zip codes in the District (92807, 92808, 92865, 92866, 92867, 92868 and 92869) for the years 1992-2018. The 1992-2013 data is not used in the actual birth rate calculations, but more for historical reference (DDP listed only 2017-2018 live birth data in Table 3 below). A District-wide set of birth rates were calculated, but DDP prefers to use a smaller set of regions whenever possible to calculate a more area-specific set of data. DDP chose to use the boundaries for the District's four high schools rather than using the District-wide figures. Therefore, four sets of birth rates were used based on the District's current four high schools and the zip codes that most closely correlate to those boundaries were used (see Table 2).
3. To calculate the birth rates that would be used to determine the incoming class for Fall 2020, DDP compared the 2015 live birth counts (standing for the future Fall 2020 K class) for the zip code(s) and compared it to the Fall 2014 counts. This same practice was used with the 2016, 2017, and 2018 birth counts (corresponding to the 2021, 2022, 2023 future Kindergarteners).
4. Since the future students representing Fall 2024-Fall 2026 (2019-2021 births) are not yet born at the time of this report, then DDP had to take certain steps to determine the birth factors used for Fall 2024-Fall 2026 Kindergarteners. DDP used a 4-year average of the previous 4 years to determine those future birth rate estimates. This was done to avoid over or under projecting the number of new kindergarteners in the final years of the projection and is a very common practice.
5. Overall, births in the Orange USD area are dropping (See Table 3 below) which causes DDP to predict smaller Kindergarten class sizes continuing to enter the District over the next seven years when compared to historical kindergarten class sizes. It is new development that increases the Kindergarten class sizes in the later years of the projections.

Table 2
Birth Factors by Current High School Boundaries

School Year	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26
HS Area	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7
Canyon	1.002	0.874	0.906	0.877	0.915	0.893	0.898
El Modena	0.984	0.944	0.947	0.933	0.952	0.944	0.944
Orange	0.989	0.962	0.901	0.900	0.938	0.925	0.916
Villa Park	1.023	0.926	0.949	1.001	0.975	0.963	0.972

February 27, 2020



Section Two - Page 4

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Table 3
Live Birth Counts by Zip Code

Birth Year	92807	92808	92865	92866	92867	92868	92869	Total
2014 (base year)	364	191	324	223	523	363	432	2,420
2015 (2020 K)	366	190	336	198	526	367	425	2,408
2016 (2021 K)	301	184	279	231	504	332	408	2,239
2017 (2022 K)	322	181	339	217	470	316	409	2,254
2018 (2023 K)	302	185	359	198	491	308	403	2,246

February 27, 2020

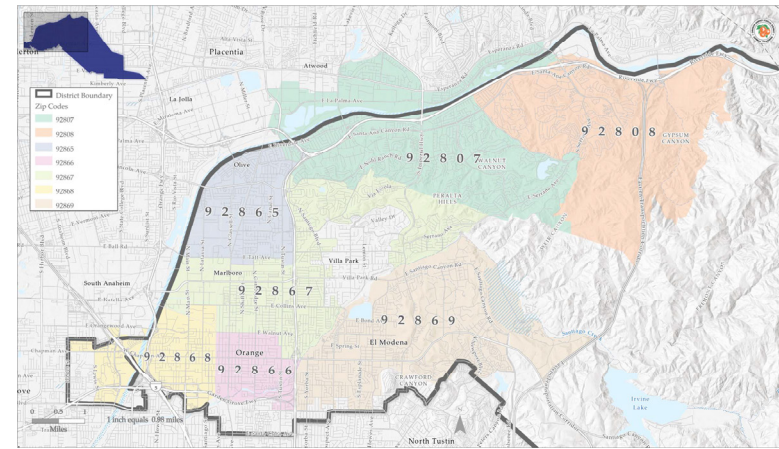


Section Two - Page 5

Orange Unified School District

SY 2019/2020

Map 1: Zip Codes for Orange Unified School District



February 27, 2020



Section Two - Page 6

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

2) Student Yield Factors

The Student Yield Factors, when applied to planned residential development units, determine how many students will be generated from new construction within the District (see **Section Two** for details on planned residential development).

Two sets of data are required to calculate Student Yield Factors: a "current" student file (provided by the District) and "current" housing unit data (taken from the Orange County Tax Assessor files). Each student record and tax assessor record are geocoded by their given address. The two database sets are then linked by common address. This allows DDP to associate each student with a specific housing unit. For the District, three general categories of housing units were analyzed; Single-Family Detached (SFD), Multi-Family Attached (MFA) and Apartments (APT).

Before the SYFs can be calculated from the current housing stock, the year of construction for each housing type must be determined. In general, new housing attracts young families with elementary school aged children. Over the next 12 to 15 years, the children grow older and pass through the grades. This cycle is then repeated throughout the life of the home. Identifying the year of construction and number of current resident students in recently built housing units assists in estimating the number of new students generated from future residential development.

Students generated by new construction are taken into account by multiplying projected new housing units by the Student Yield Factors (SYF's) found in Table 4. *Student Yield Factors* (sometimes referred to as "Student Generation Rates") calculated by DDP for the Fall 2002/2003 report were used for this year's report. The following factors were produced using a large sampling of all unit types built within the District from 1997 to 2002. Not much new housing has occurred in the Orange USD for the past ten years. Consequently, a more recent sample size is not large enough to properly update these figures. Therefore, DDP continued to use these "older" SYF's. Over the next few years when new housing developments have been completed and settled, then it is strongly recommended for the District to have these figures updated with a more current, larger sampling.

Table 4
Student Yield Factors

SFD		Units = 1,733			
		GK-6	G-7-8	G-9-12	GK-12
Students		564	110	213	887
SYF		0.325	0.063	0.123	0.512

MFA		Units = 1,195			
		GK-6	G-7-8	G-9-12	GK-12
Students		183	31	52	266
SYF		0.153	0.026	0.044	0.223

APT		Units = 757			
		GK-6	G-7-8	G-9-12	GK-12
Students		88	10	24	122
SYF		0.116	0.013	0.032	0.161

SFD= Single Family Detached
MFA= Multi-Family Attached
APT= Apartments

Orange Unified School District

SY 2019/2020

3) Student Mobility Factors

Enrollment is further modified by using Student Mobility Factors. These factors (similar to cohorts) represent the net effect of the in/out migration of students from existing homes within the District. Only 10 of the District's 320 study areas were excluded from the Mobility Factor sampling due to that they contained new housing construction over the past five years (Study Areas 5, 8, 17, 24, 32, 61A, 77A, 124B, 128, 230, and 279 were not part of the sample). The main purpose of using such a factor is to simply eliminate the impact of new residential development and focus on the "re-sales," foreclosures and/or other movement occurring within the District's established neighborhoods.

The sampling used was taken over a four-year period (student data from 2016/17 through 2019/20) and four yearly groupings were calculated. For example, a comparison was made for the 2016/17 Kindergarten student population to the 2017/18 1st grade students at the study area level. This comparison was also conducted for 2017/18 & 2018/2019 school years & the 2018/19 & 2019/20 school year groupings at the study area level as well. There are a few main reasons for using the last four years of data and not using more or less years for the Mobility Study. If you use student data going back too far (5+ years), then specific trends that were happening a number of years ago that are not occurring in recent years will be factored into the projections and therefore not reflect the most recent patterns. If only the last few years of student data (i.e. 2018 and 2019) are used, then if there is a particular anomaly occurring in the District (sharp rise or decline in the student population) then the seven-year projections will show those same tendencies. DDP's experience has shown that using the last four years of data and averaging the three years of change provides a more balanced and accurate mobility trend for the seven-year student projections. Once these mobility factors were applied, the resulting projections more closely resembled the patterns taking place within the District's boundaries.

Student mobility factors further refine the seven-year student population projections. Mobility refers to the increase/decrease in the migration of students within the District boundary (move-in/move-out of students from existing housing). Mobility, similar to a cohort, is applied as a percentage of increase/decrease to each grade for every year of the projections.

Having historical student data categorized by study area is extremely helpful in calculating accurate Student Mobility Factors. Table 5 lists the Student Mobility Factors, which were calculated to correspond with the District's current 26 elementary school attendance areas. The headings represent the net growth/decline from the previous grade to the current grade. In other words, the "K to 1" represents the grade transition from Kindergarten (the previous grade) to 1st grade, the more current grade. The Student Mobility Factors below help show the transitioning that is going on within each of the District's elementary attendance areas.

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Table 5
Student Mobility Factors
(Used Student files from Fall 2016 through Fall 2019)

Elementary Attendance Area	K to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 6	6 to 7	7 to 8	8 to 9	9 to 10	10 to 11	11 to 12
Anaheim Hills ES	1.12	0.95	1.05	1.04	1.04	1.00	0.99	1.00	0.94	0.99	0.97	1.00
California ES	0.98	1.00	0.93	0.99	0.97	0.92	0.99	1.02	0.99	0.97	0.97	0.98
Cambridge ES	1.00	0.97	0.93	1.01	0.96	1.04	0.99	0.92	0.98	1.02	0.94	0.94
Canyon Rim ES	1.02	1.03	0.99	0.99	1.02	1.04	1.03	0.99	0.87	1.02	0.96	0.95
Chapman Hills ES	0.94	1.03	0.90	0.97	0.94	0.87	0.75	0.90	1.05	0.93	0.99	0.98
Crescent ES	1.01	1.04	1.02	1.07	0.96	1.03	1.17	1.02	0.93	0.98	0.99	0.98
Esplanade ES	0.91	0.94	0.97	1.01	1.01	1.00	0.99	0.98	0.98	1.03	0.98	0.99
Fairhaven ES	0.95	0.95	0.95	0.91	0.98	0.95	0.86	1.00	1.01	1.01	0.96	0.96
Fletcher ES	0.97	1.00	0.97	1.05	0.98	1.04	1.09	0.96	0.98	1.01	0.98	0.96
Handy ES	1.04	0.98	0.98	0.97	0.99	0.97	1.01	0.96	0.98	1.01	1.00	1.01
Imperial ES	0.96	1.07	1.10	1.00	1.05	1.07	1.17	1.08	1.04	1.01	1.05	1.03
Jordan ES	1.06	0.91	0.98	0.97	0.96	1.04	1.00	0.95	1.09	1.01	1.03	0.96
La Veta ES	0.96	1.04	0.97	1.03	1.00	1.00	0.99	1.02	0.96	0.96	1.00	1.02
Lampson ES	0.96	0.97	0.98	0.99	0.97	0.92	1.00	1.01	0.95	0.94	1.03	0.97
Linda Vista ES	0.99	0.93	1.03	1.06	1.03	1.02	0.93	1.03	0.92	1.00	1.03	0.98
Nohl Canyon ES	1.06	1.11	1.10	0.95	0.98	1.04	0.99	0.97	0.93	0.96	0.99	0.95
Olive ES	1.04	1.01	0.98	1.00	1.04	1.00	1.02	0.96	1.05	1.00	0.91	0.97
Palmira ES	0.91	0.95	1.04	0.99	0.95	0.97	0.98	1.01	1.01	0.98	1.01	1.01
Panorama ES	1.05	1.00	0.93	0.90	1.05	0.96	0.90	0.97	0.89	1.00	0.98	0.93
Prospect ES	0.95	0.94	0.96	0.94	0.91	0.95	1.01	1.04	1.01	0.98	0.95	1.01
Running Springs ES	1.10	1.01	1.03	1.05	1.02	0.97	0.98	1.04	0.91	0.97	1.05	0.95
Serrano ES	1.10	0.94	0.98	0.99	0.96	1.12	1.02	0.99	1.05	1.04	1.01	1.02
Sycamore ES	0.92	0.97	0.96	0.96	0.96	1.00	0.96	0.95	0.94	1.04	0.96	0.98
Taft ES	0.98	0.99	1.01	0.99	1.06	1.00	1.03	1.06	1.01	1.00	1.03	0.95
Villa Park ES	1.08	1.03	1.01	1.03	1.02	1.00	1.00	0.98	1.10	1.01	0.97	0.97
West Orange ES	0.97	0.95	1.00	0.96	1.01	0.94	1.03	1.05	0.97	0.96	1.03	0.93

A net increase or decrease of zero students over time is represented by a factor of **1.000 (shaded blue)**. A net student loss is represented by a factor less than **1.000 (shaded red)** and a net gain by a factor greater than **1.000 (shaded green)** [see Table 5 above].

Example: 100 K Grade students in Fall 2019/20
 $\times 1.12$ (1st Grade mobility Anaheim Hills ES)
 = **112.0 1st Grade students in Fall 2020/21**

Table 5, above, shows that, overall there are more losses (red cells) than gains (green cells) as the students move through the grades and that those losses are larger than the gains. In other words, overall, the District's mobility factors show that Orange USD is losing students from year to year, even in their elementary school grades (K-6). The columns that have the highest factors are at the K to 1 and 8th to 9th grade transitions. This is a very typical pattern. The very high K to 1 Student Mobility Factors shows that many students enter Orange USD in 1st grade after completing Kindergarten elsewhere, possibly at a day care center offering this program. The large increase from 8th to 9th grade appears because more students are entering the Orange USD at the high school level because they are coming from private institutions that typically only serve grades K-8.

Orange Unified School District

SY 2019/2020

4) Residential Development

The Active Residential Development Projects Over the Next 7 Years Summary, found on page 12, has been supplied to give the District an idea of the amount of expected residential construction over the seven-year timeframe of our projections. Please keep in mind that the phasing schedules listing in the table are based upon estimated dates of occupancy. The information contained in this table is current as of December 2019. In the few instances where developers were unable to be reached, estimates were made based upon aerial photographs and conversations with District staff, City and/or County officials. The number of projected housing units shown in the table are used in developing the student projections over the next seven years. Please note that any study areas not appearing on this table have no planned development over the next seven years.

Overall, there are 2,254 total units projected to be built within the Orange USD boundary over the next seven years. Most of these units are expected to be apartment units of the luxury high rise variety. The breakdown of the new housing units to be built within Orange USD from 2019 to 2026 is as follows: 85 single-family detached (SFD) units; 172 condominium/townhome (Multi-Family Attached units or MFA) units and 1,997 apartment units (APT). Typically, as the Student Yield Factors will support, single-family homes generate the most students and the most elementary-aged students while the multi-family type housing units and especially the higher end, high rental apartment units produce very few students (especially those younger students). Most of the 1,997 new apartment units are clustered in the south and southwest corner of the District with unit counts ranging from 90-650.

After more than eight years since the last of the larger (10+ units) single-family detached and condo/townhome projects were completed, there now appears to be slight resurgence in these types of homes under construction within the Orange USD boundary. Large developers are once again grading and building new projects in the District: Shea Homes' Gardenia (70 SFD); and Century Communities' Trio (45 MFA) just to name a couple.

Of course, the largest of the proposed projects had been The Irvine Company's Santiago Hills Phase II units, which are planned to be built just east of the Chapman Hills Elementary School region. The current breakdown of the Santiago Hills Phase II project consists of over 1,066 SFD units and 114 condominiums/townhomes for a total of 1,180 units. This large project has been delayed and altered many times over the past 10+ years. Just recently The Irvine Company released a statement that the Santiago Hills Phase II projects have been pushed out a few more years. According to City of Orange staff, they do not expect any movement on this project within the timeframe of this projection. Therefore, none of the 1,180 units will have an effect in the seven-year projections.

APPENDIX

DEMOGRAPHICS REPORT

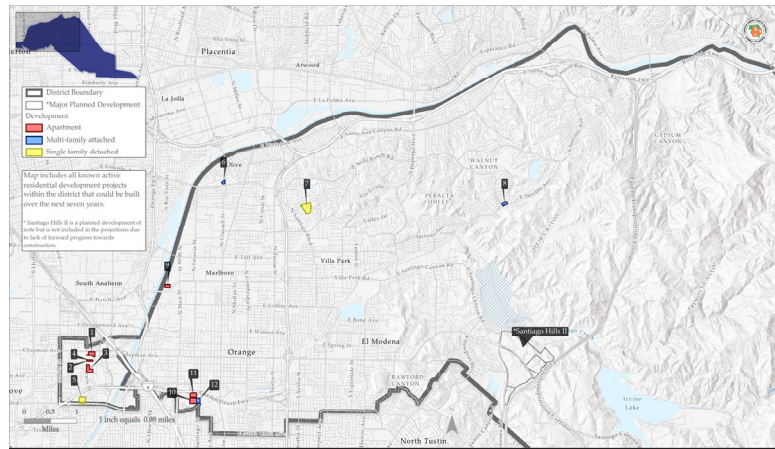


Orange Unified School District Facilities Master Plan

Orange Unified School District

SY 2019/2020

Map 2 – Active Residential Development Projects Over the Next 7 Years



February 27, 2020



Section Two - Page 11

Orange Unified School District

SY 2019/2020

Active Residential Development Projects Over the Next 7 Years Summary

[illegible]

All of the above listed phasing schedules were estimated using the responses to developer contacts made by the EOP or the District in December 2019.

Please note that all of the above phasing schedules are based upon estimated dates of occupancy.

SFD = Single Family Detached Unit
MFA = Multi-Family Attached Unit

APT = Apartments,
townhouses, duplexes, etc.

"Active Projects" - Projects that are proposed to be building over the next seven years

[illegible]

City Codes: O = Orange / GG = Garden Grove / A = Anaheim / YL = Yorba Linda / SA = Santa Ana / C = County

Affordable? Apartments explanation: YES = All units are a "affordable" / NO = Majority of units are luxury-high end rental units

February 27, 2020

Section Two – Page 12



Orange Unified School District

SY 2019/2020

Applying the Variables to Generate the Projections

The projections by "residence," as well as the "actual enrollment" projections, use the same projections factors previously described. However, their base student counts are different. The "residential" projections (DDP's regular method for running projections) use the number of students that live in a study area as its base. The "actual enrollment" projections use the number of students, or actual enrollment, attending a school as its base. Both projections are carried out seven consecutive years (Fall 2020 - Fall 2026). The following paragraphs summarize how DDP uses the factors to determine the student population projections (see Chart 1 on page 14 for a flowchart of this process).

The Orange USD has been broken up into 320 "study areas" and each are coded to its corresponding elementary, middle, and high school, depending upon what attendance area they fall within. The "residential" projections are calculated at the study area level. This means that DDP conducts 320 individual projections that are based upon the number of students living in each study area. The first step in running the "residential" projection involves listing the number of students that live in a study area by each individual grade (Kindergarten through 12th grade). [Special Day Class students were removed from the initial student counts since many of these students do not attend a neighborhood facility but can be accounted for by referring to the corresponding Attendance Matrix and added back into the projection totals.] The current student base (in this case Fall 2019), is then passed onto the next year's grade (2019's K become 2020's 1st graders, 2019's 1st graders become 2020's 2nd graders, and so on). After the natural progressions of students through the grades are applied, then Birth Factors are multiplied to the current Kindergarten class to generate a base for the following year's Kindergarten class.

Next, a Student Mobility Factor is applied to all grades. Again, these factors take into account the natural in/out migration of students throughout the District (i.e.: incorporating house "re-sales" into the projections). The mobility factor is applied to each student in every grade (K-12). A unique mobility factor is applied to each study area, grouped by the District's elementary school attendance areas.

The last essential layer applied to the projections is dealing with students generated by new housing. This is a simple calculation, again conducted at the study area level, where the estimated number of new housing units for a particular year is multiplied by the corresponding Student Yield Factor (SYF) [see Section Two, Page 7]. For example, if 100 single-family detached (SFD) units are to be built in a specific study area in a given year, then you would multiply this number (100) by the SFD K-6 student yield factor (.325) and the resulting number (32.5) is rounded and divided evenly among the seven grades. This same process is conducted for the 7-8 SYF's and the 9-12 SYF's with the estimated students evenly divided by the corresponding number of grades.

To finish generating the "residential" projections, this process is conducted for each of the 320 study areas. Once the projections have been run at the study area level, then it is simple addition to determine projections for each of the District's attendance areas or for a District-wide summary. For example, the "residential" projection for Canyon Rim Elementary is simply the summary of all the study areas that make up this specific attendance area (see Appendix A for a study area listing for each Orange USD attendance area). The district-wide TK-12 summary projections (found on page 21) is a total summary of all 320 study areas, which naturally excludes all students that attend a District school and live completely outside of the District's boundaries.

At the request from District staff, DDP applied a ratio to each year of the projections for SDC and Out-of-District (OD) students. DDP compared the K-6 SDC/OD totals to the overall non-SDC/OD K-6 totals for Fall 2019 and then applied that same percentage to each year's projected non-SDC/OD K-6 total to estimate the next year's K-6 SDC/OD total. The same logic was applied to

February 27, 2020



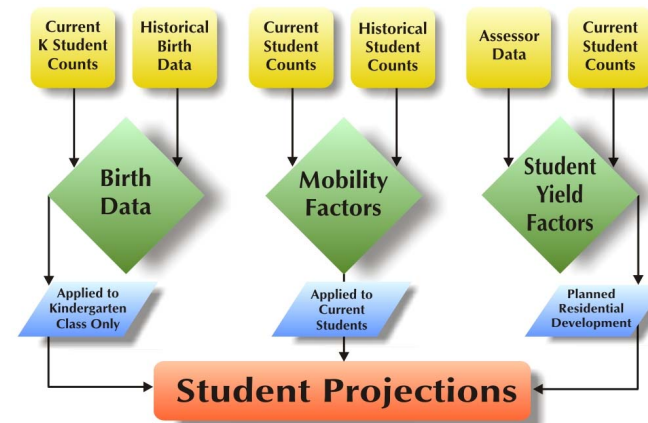
Section Two – Page 13

Orange Unified School District

SY 2019/2020

both the 7-8 totals and the 9-12 totals. Please see the district summary on page 21 for the resulting SDC and Out-of-District figures. The Attendance Matrices (on pages 18-20) show the exact breakdown of the SDC and Out-of-District students by school and attendance area as of October 2019 (around the CBEDS date).

Chart 1
Projections by Residence Flowchart



February 27, 2020



Section Two – Page 14



Orange Unified School District

SY 2019/2020

Section Three

Attendance Matrices

Three "Attendance Matrices" have been included to provide a better understanding of where students live and where they attend school. Remember, our projections are based upon where the students live, not where they attend school. We use the actual location of where the students reside, as opposed to their school of enrollment, in order to provide the most accurate depiction of where future schools (if necessary) should be located. Therefore, since the projections are based upon where the students live, the figures we use as a base for each school's projection may be slightly higher or lower than the actual reported enrollment for each school. The attendance matrices act as "checks and balances" for student accounting. These attendance matrices show where the students live (in what Attendance Area) based upon our "address-matching" capabilities and what school they attend (School of Attendance) based upon data in the student file supplied by the District. The inclusion of these matrices is essential to showing how the students used in the projections "match-up" to the District's records of enrollment for each school. The best way to plan for future schools is to know where the next group of students will be coming from, not necessarily which school they are currently attending. The attendance matrices show the impact of the District's open enrollment policies and how those policies relate to the capacity and location of schools versus where students are actually residing and where facilities should be located.

Reading the Matrices

The following provides a more detailed explanation of how to read the three attendance matrices included in this report. The **Elementary School (K-6) Attendance Matrix** can be found on page 18. Reading across the top of the "elementary school" matrix, you can see that we have included all of the District's schools which all contain grades K through 6. McPherson (a K-8 academy school with no attendance area), California (K-5 only), Lampson (K-5 only), West Orange Elementary Schools (K-5 only) and part of Portola Middle (only their 6th graders), part of Yorba Middle (only their 6th graders), and Canyon Hills (a K-12 Special Education School) are all included in this matrix. Even though these seven schools are not "K-6" schools, they do contain students between grades Kindergarten and 6th. Looking at the K-6 Attendance Matrix, let's begin with Anaheim Hills ES as an example. Following down the first column, with "Anaheim Hills" as its heading, we see that 438 students attend Anaheim Hills and live in Anaheim Hills' attendance area (excluding SDC and Out-of-District students). Continuing downward, no students attend Anaheim Hills ES and live in the California ES attendance area. The next row shows that there are no students attending Anaheim Hills ES and live in the Cambridge ES attendance area. There are ten students residing in the Canyon Rim ES area and attend Anaheim Hills ES, and so on. Reading the K-6 Sub-Totals at the bottom of the matrix has a total of 12,768 K-6 students residing within the Orange USD boundary around early October 2019 (excluding SDC and Out-of-District students).

The next set of rows deal with the students that were not used in the projections. There are six types of students that fall into this category. The first of these students are the "Preschool Kindergarten (PK)" students. As of early October 2019, there were 0 Pre-K students enrolled at Anaheim Hills ES. The next row lists 27 students enrolled in "Transitional Kindergarten (TK)" at Anaheim Hills ES. The "Non-Public School" row does not apply to Anaheim Hills ES.

The item named "Special Education/SDC students" refers to the number of Special Day Class students that are currently registered at a school. Anaheim Hills ES had zero SDC students enrolled at the school. The next item, "Out-of-District," refers to students that attend an Orange USD facility but live completely outside of the District's boundary. There are 2 "Out-of-District" students that attend Anaheim Hills ES. The row titled "Unmatched" refers to students that were unable to be

February 27, 2020



Section Three – Page 15

Orange Unified School District

SY 2019/2020

mapped due to incomplete address information (such as PO Boxes). Anaheim Hills ES had no "unmatched" students attending the school.

If you read the totals across the bottom row ("PK-6 Totals"), these numbers should correspond with the District's student counts for each school (enrollment close to the Fall 2019 CBEDS reporting date). Therefore, reading across the bottom, according to our records, 511 TK-6 students were attending Anaheim Hills ES; 599 (TK-5) students attended California ES; 531 were enrolled at Cambridge ES as of early October 2019; and so on.

The last two rows refer to what DDP is terming "transfer" students or "# Enrolled, But Not Living in Attendance Area". "Transfers" are all of the students that are currently enrolled at a particular elementary school but live outside of their "assigned" attendance area. For example, the 46 "transfer" students for Anaheim Hills ES refers to all of the students that attend Anaheim Hills ES but live outside of its attendance area (excluding SDC and TK students). The last row shows the overall percentage of how many students are attending a particular school but live outside of its attendance area. For example, 9.5% of all of the students actually attending Anaheim Hills ES live outside of the school's attendance area. DDP is referring to this as the "Open Enrollment % ('Transfers In' Rate)."

The next step is to start reading across the matrix, beginning with the Anaheim Hills attendance area. We now understand that the 438 represents the total number of K-6 students that live in the Anaheim Hills ES attendance area and attend Anaheim Hills ES (excluding SDC and Out-of-District students). The next column, California ES, refers to the number of K-6 students that live in the Anaheim Hills ES attendance area but go to California ES instead. Only one student falls into this category. No students live in the Anaheim Hills ES attendance area and go to Cambridge ES, and so on. The column entitled, "K-6 Students" lists the students living within a school's attendance area. If you add down this column (or add across the bottom row), you can determine the total number of student records presented by the District to DDP on or around the Fall 2019 CBEDS date (14,402 students). Of these total PK-6 students, 4,164 were students that did not attend their "resident" school, resulting in a District-wide "Transfer In" rate of 32.6%; this equates to nearly a third of the District's elementary students attending a school from outside their resident boundary.

The individual elementary attendance area projections by "residence" can be found in Appendix B on pages B-2 to B-10. Each of the 26 elementary schools that have their own attendance area is listed alphabetically. The actual number of Fall 2019 students living within each attendance area is listed and the projections that follow are based upon these numbers (hence, the "residential" projections).

The **Middle School (7-8) Attendance Matrix** is located on page 19. Reading across the top of the "middle school" matrix you can see that we have included all schools that contain grades 7 and 8; namely, Cerro Villa Middle School (7-8), El Rancho Charter Middle School (7-8), McPherson (K-8), Portola Middle School (6-8), Santiago Middle School (7-8), Yorba Middle School (6-8), Non-Public school (K-12), Canyon Hills (K-12), Community Day School (7-12), and Home School (K-12). Once again, not all of these schools are "7-8" schools; however, we have included them in this matrix since they all have seventh or eighth grade students attending their facility. However, DDP has included the total Portola and Yorba MS's 7-8 student counts on this matrix (see the orange columns).

Looking at the Middle School (7-8) Attendance Matrix, let us start with Cerro Villa MS as an example. Following down the column headed by "Cerro Villa," we see that 650 students attend Cerro Villa MS and live in the Cerro Villa MS attendance area. Continuing downward, 17 students attend Cerro Villa MS, but live in the El Rancho MS attendance area. The next row shows that 45 students attend Cerro Villa MS but live in the Portola MS attendance area; and so on.

February 27, 2020



Section Three – Page 16

APPENDIX

DEMOGRAPHICS REPORT



Orange Unified School District

SY 2019/2020

The item named "Special Education/SDC students" refers to the number of Special Day Class Students that are currently registered to a school. Cerro Villa MS has 19 SDC students enrolled at the school. The "Non-Public Schools" row are students attending a non-public school and there were none attending Cerro Villa. The item, "Out-of-District," refers to students that attend an Orange UDS facility but live completely outside of the District's boundary. There are 28 "Out-of-District" students that attend Cerro Villa MS. The row titled, "Unmatched," refers to students that were not able to be mapped due to incomplete address information; there are no such students attending Cerro Villa MS.

The last two rows refer to the “transfer” students. “Transfers”, or the number enrolled but not living in the attendance area, are all of the students that are currently enrolled at a particular middle school but live outside of their “assigned” attendance area. For example, the 235 “transfer” students for Cerro Villa MS refers to all of the students that attend Cerro Villa MS but live outside of its attendance area (excluding SDC students). The last row shows the overall percentage of how many students are attending a particular school but live outside of its attendance area. For example, 26% of all the students actually attending Cerro Villa MS live outside of the school’s attendance area. DDP is referring to this as the “Open Enrollment percentage.”

If you read the totals across the bottom row, these numbers should correspond with the District's student counts for each school (enrollment close to the Fall 2019 CBEDS reporting date). Therefore, reading across, according to our records, as of October 2019, 904 7-8 students attended Cerro Villa MS; 1,196 7-8 students attend El Rancho MS; etc. Overall, there were 4,290 7-8 students enrolled in the Orange USD as of October 2019, with 967 of them attending a District middle school outside of its resident area; that equates to a District-wide "Transfers In" rate of 22.5%.

These same procedures can be used for reading the District's **High School (9-12) Attendance Matrix** (found on page 20). Across the top of this matrix, we have included all schools that contain grades 9 through 12; namely, Canyon, Canyon Hills, El Modena, Orange, Richland Continuation High, Villa Park, Non-Public School, Community Day School and Home-School Students. Overall, there were 8,524 9-12 students enrolled in the Orange USD as of October 2019. A total of 23% (or 1,958 9-12 students) of the District's high school students attend a school from outside of their assigned area. DDP excluded 89 Adult Education students from the matrices and projections since they have a grade distinction of 15.

Orange Unified School District Facilities Master Plan

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6.3 APPENDIX DEMOGRAPHICS

Orange Unified School District
Facilities Master Plan

SY 2019/2020

Middle School (7-8) Attendance Matrix

COURSES OF INSTRUCTION	SCHOOL OF ATTENDANCE (CDS)											
	Altitude Area		Cerro Vista MS (180)		El Rancho Charter MS (167)		Alpharetta Parkway Magnet HS (141)		Santitas Charter MS (164)		New Public School (194)	
	28 Students		Cerro Vista MS (180)		El Rancho Charter MS (167)		Alpharetta Parkway Magnet HS (141)		Santitas Charter MS (164)		New Public School (194)	
	Altitude Area		Cerro Vista MS (180)		El Rancho Charter MS (167)		Alpharetta Parkway Magnet HS (141)		Santitas Charter MS (164)		New Public School (194)	
Cerro Vista Middle School	877	659										
El Rancho Middle School	986	17	963	1								
Alpharetta Middle School	673				429	1	0	0	0	0	0	7.3%
Santitas Middle School	828	33	20	312	7	639	0	0	0	0	0	24.8%
New Public School	996				127	392	392	0	0	0	0	25.5%
7-8 Sub Totals	3,962	857	1,119	203	436	934	436	0	0	0	0	
Special Education/SPED Students	141	19	16	0	21	128	13	0	0	0	0	
New Public School	187	0	0	0	0	0	0	0	0	0	0	
Out of District	0	0	0	0	0	0	0	0	0	0	0	
Unassigned*	0	0	0	0	0	0	0	0	0	0	0	
7-8 Totals	4,209	984	1,136	203	457	1,062	439	0	0	0	0	
Enrolled Not Living in Altitude Area	967	235	217		52	345	118					
Open Enrollment % (*Transfers In Ratio)	22.5%	26.4%	18.1%	N/A	10.5%	31.8%	23.4%	N/A	N/A	N/A	N/A	N/A

The above data is based upon a database download provided to DDP by the OUSD representing enrollment around the Fall 2019 CDEDS date (early-October 2019).

*Carmen Hill and McPherson Schools have no set attendance zones and, therefore, all students throughout the District boundaries

***Unmatched* represents incomplete student address information and therefore could not be mapped.

^{***}Portola and Yorba Middle Schools are 6-8 schools and the numbers listed above include only its 7-8 counts. See the Elementary K-6 Matrix for the rest of the Portola and Yorba Middle School's students.

****Mt. Lebanon is a K-8 school and the numbers listed above include only its 7th grade.

See the Elementary K-6 Matrix for the rest of the McPherson students.

■ Schools that are not 7.0



Section Three - Page 19

SY 2019/2020

High School (9-12) Attendance Matrix

[illegible]

The above data is based upon a database download provided to DOP by the OUSD representing enrollment around the Fall 2019 CBEDS date (early-October 2019).

* Cannon Hills and Richmond Schools have no set attendance areas and, therefore, roll students throughout the District boundaries.

** "Unmatched" represents incomplete student address information and therefore could not be mapped.

The above matrix and the restrictions do not include 80 students with grade 11 (Adult Education) that attend Carver High Secondary Special Ed. and Queens H.S.

February 27, 2020

Section Three - Page 20

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Section FOUR

District Wide Projections by "Residence"

		Projection Date: 10/2/2019									
		Actual Fall 2016	Actual Fall 2017	Actual Fall 2018	Actual Fall 2019	Projected Student Counts					
						Fall 2020	Fall 2021	Fall 2022	Fall 2023	Fall 2024	Fall 2025
TK		393	382	504	615	616	578	575	576	589	580
K		1,876	1,840	1,700	1,738	1,741	1,633	1,624	1,628	1,664	1,638
1		1,888	1,851	1,864	1,711	1,743	1,755	1,640	1,628	1,631	1,636
2		1,885	1,837	1,844	1,841	1,695	1,738	1,747	1,627	1,615	1,643
3		2,004	1,863	1,843	1,797	1,827	1,690	1,733	1,737	1,615	1,600
4		1,927	2,008	1,849	1,851	1,795	1,832	1,692	1,733	1,736	1,608
5		2,064	1,909	2,011	1,828	1,841	1,794	1,833	1,688	1,729	1,728
6		2,063	2,037	1,900	2,002	1,816	1,840	1,791	1,823	1,680	1,716
7		2,102	2,039	2,039	1,915	2,010	1,830	1,853	1,803	1,836	1,692
8		2,088	2,073	2,035	2,047	1,914	2,014	1,831	1,853	1,800	1,838
9		1,982	2,003	2,023	2,029	2,007	1,880	1,978	1,794	1,815	1,761
10		2,092	1,970	2,013	1,997	2,018	2,000	1,872	1,966	1,783	1,750
11		2,178	2,051	1,951	2,024	1,979	2,008	1,985	1,858	1,951	1,768
12		2,076	2,112	2,057	1,860	1,982	1,939	1,969	1,941	1,818	1,905
Sub Total:		14,108	13,727	13,517	13,383	13,075	12,860	12,634	12,441	12,259	12,146
TK-6		4,190	4,114	4,074	3,962	3,924	3,844	3,684	3,656	3,636	3,530
7-8		8,128	8,138	8,048	7,910	7,985	7,837	7,804	7,560	7,366	7,236
9-12		26,618	25,979	25,637	25,255	24,984	24,530	24,121	23,656	23,261	22,490
TK-12											
SDC:											
K-6		494	433	385	389	380	374	367	361	356	352
7-8		163	162	167	141	140	137	131	130	129	126
9-12		298	251	273	283	286	280	279	270	264	259
TK-12		955	846	823	813	805	791	778	762	749	737
Out-of-District:											
K-6		415	460	420	444	433	427	419	413	406	397
7-8		159	163	187	187	185	181	174	173	172	167
9-12		366	424	366	331	334	338	327	316	308	303
TK-12		940	1,047	973	962	953	936	920	901	886	872
Unmatched:											
K-6		3	5	0	0	0	0	0	0	0	0
7-8		1	0	0	0	0	0	0	0	0	0
9-12		2	1	1	0	0	0	0	0	0	0
TK-12		6	6	1	0	0	0	0	0	0	0
Totals											
TK-6		15,812	14,623	14,322	14,216	13,888	13,661	13,421	13,215	13,020	12,753
7-8		4,513	4,439	4,428	4,290	4,249	4,162	3,988	3,958	3,937	3,822
9-12		8,994	8,814	8,686	8,524	8,605	8,435	8,409	8,147	7,938	7,797
TK-12		28,519	27,876	27,436	27,030	26,742	26,257	25,818	25,320	24,896	24,372
TK-6 Annual Change		-387	-303	-106	-338	-227	-240	-206	-180	-119	-148
7-8 Annual Change		-74	-111	-138	-41	-87	-173	-30	-21	-115	-117
9-12 Annual Change		-180	-126	-162	-81	-170	-25	-263	-209	-141	-189
TK-12 Annual Change		-641	-441	-406	-288	-483	-439	-499	-424	-376	-454

* - The SDC for all projected years (Fall 2020 to Fall 2026) was calculated by applying the same ratios for each grade grouping (K-6, 7-8 and 9-12) that was found for the Fall 2019 student data (comparing SDC to Non-SDC totals).

** - The Out-of-District for all projected years (Fall 2020 to Fall 2026) was calculated by applying the same ratios for each grade grouping (K-6, 7-8 and 9-12) that was found for the Fall 2019 student data (comparing Out-of-District to Non-Out-of-District totals).

*** - "Unmatched" refers to the students that had incomplete resident address information (PO Boxes, for an example) and were unable to be mapped to a specific location and are therefore excluded from the above projections as a result.

The above 2019 data does not include the following: 186 Pre-K students and 89 Adult Education students.

February 27, 2020

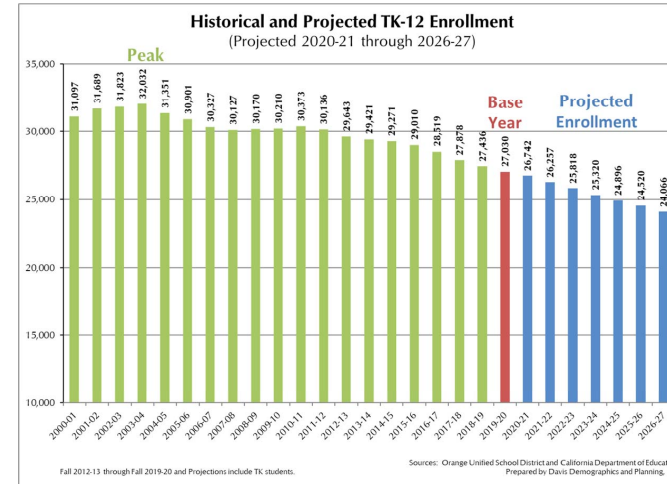


Section Four - Page 21

Orange Unified School District

SY 2019/2020

Chart 2



February 27, 2020



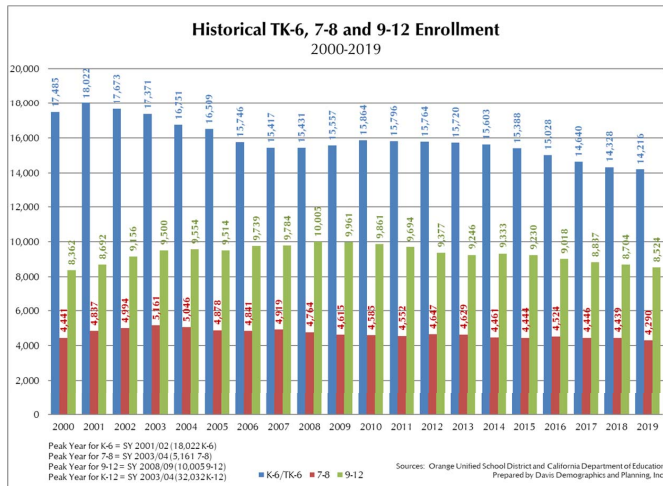
Section Four - Page 22



Orange Unified School District

SY 2019/2020

Chart 2



February 27, 2020



Section Four – Page 23

Orange Unified School District

SY 2019/2020

District Wide Projection Trends

The basic unit in the projections are the individual study areas. There is currently a total of 320 study areas in the Orange USD. The current attendance areas are made up of specific study areas (see Appendix A for a listing by study area and a map of these neighborhoods). The entire District Summary is simply the compilation of all of study areas (please see page A-6 in Appendix A for a map of the District's study areas and study area numbers). For each study area, the student counts are projected out over seven years (Current: Fall 2019; Projected: Fall 2020 through Fall 2026). The District-wide TK-12 projections can be found on page 21 and a chart (Chart 2) depicting the District's historical enrollment (from 2000-2019) and its next projected seven years (through 2026) is on page 22. Chart 3, page 23, shows the District's historical TK-6, 7-8 and 9-12 counts for the past 20 years.

Since 2010, the Orange USD (and many other districts in Southern California) have seen its K-6 grade class sizes continue to drop as the larger grade classes move-on into the later grades (in the District's middle and high schools). Higher birthrates in the late 80's and early 90's added a significant number of students to the District from 1998-2003. These "new" students had created a "bubble" of students that has now completely passed through the District's high schools as of Fall 2016. Currently, the District's 5th through 12th grade classes are between 1,828-2,047 students, while its younger grades (K through 4th) range from 1,711-1,851. Smaller entering grade classes have been replacing larger graduating 12th grade classes for the past five years; this trend helps to partially explain the District's declining enrollment since 2010.

The following sections cover the various growth/decline trends at the District's main grade groupings, K-6, 7-8 and 9-12. The projections by "residence" exclude Special Day Class (SDC) students and Out-of-District. All of these students are accounted for by using the current numbers and adding them back into each year's projection (see the District-wide TK-12 Summary on page 21). For a detailed breakdown of each of these categories by school, please see the Attendance Matrices located on pages 18-20 of this report. Therefore, the projections by "residence" discussed in this section include all non-SDC students living within the District's boundaries on or around the Fall 2019 CBEDS date (October 2, 2019).

"Residential" Projection Summaries

The projections by "residence" were prepared for seven consecutive years, from Fall 2020 through Fall 2026. These projections are based upon the concept of study areas as "building blocks." By breaking down the District boundaries into study areas we can use these smaller areas of focus to look into various scenarios. The possibilities include creating new attendance area configurations; looking into more detail on the progress of certain neighborhoods; and specifically, identifying the regions within the District that are experiencing the most growth, new development, have reached stability, or are undergoing a decrease in population.

These projections use the physical location of where the students reside, as opposed to their school of enrollment, in order to provide the most accurate depiction of where future schools (if necessary) should be located. It is critical to base future facility site decisions upon projected enrollment by residence, rather than school of choice, to encourage the concept of neighborhood schools. Assuming a perceived equity in the educational programs offered at each school site, families will generally send their children to the closest school with available space. Therefore, since these projections are based upon where the students live, the figures we use as a base for each school's projection may be slightly higher or lower than the actual reported enrollment currently being experienced for each school (for a detailed list of student accounting, see the Attendance Matrices in Section Three).

February 27, 2020



Section Four – Page 24

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

The attendance matrices have also been included to act as additional "checks and balances" for student accounting. Remember, these attendance matrices show where the students live (in what Attendance Area) based upon our "address-matching" capabilities and what school they attend (School of Attendance) based upon data in the student file supplied by the District. The inclusion of these matrices is essential to showing how the students used in the "residential" projections compare to the District's records of enrollment for each. The best way to plan for future schools is to know where the next group of students will be coming from, not necessarily which school they are currently attending. However, DDP has run both types of projections as a courtesy to the District. These matrices help to give a full accounting of the students used in the projections, showing school of attendance versus area of residence.

District Wide Projections Summary by "Residence"

The basic unit in our projections is the study area. There are currently 320 study areas in the Orange USD. The current attendance areas are made up of specific study areas (see Appendix A for a listing by study area). The District Summary is simply the compilation of all 320 study areas (please see page A-6 in Appendix A for a map of the District's study areas and study area numbers). For each study area, the enrollment is projected out over seven years (Fall 2020 through Fall 2026). The Study Area Projections enable the District to monitor growth in smaller geographic areas than their attendance areas. The Attendance Area Projections enable the District to see which schools are most impacted by growth or are experiencing a declining student population. The District Wide Projections by "Residence" offers a perspective on the overall rate of growth. The Attendance Area Projections by "residence" can be found in Appendix B. The individual Study Area Projections can be found in Appendix D. The District-wide TK-12 Summary is located on page 21.

The District-wide Projection Summary by "Residence" finds that the Orange USD, as of October 2019, had 27,030 TK-12 students attending a District facility (which is down 406 TK-12 students from the 27,436 it had in 2018; 30,310 in 2010). Over the next seven years, the projections show that the Orange USD is expected to have a net decline of 2,961 TK-12 students (24,066 TK-12 students by Fall 2026), or a net decline percentage of 11%. The District is expected to continue to decline for the next seven years, but the degree of severity may vary from losing 288-499 students from one year to another. One factor that can change this trend is for larger housing projects to begin in the near future. At the time of updating development data, there were no significant increases in new single-family housing starts planned for the next seven years. In the past, there were new large housing developments planned by The Irvine Company (Santiago Hills Phase II) that could have started but this possibility of occurring is uncertain at best. Current economic conditions and new housing sales have had a dramatic effect on the District's current and future enrollment patterns. If the Santiago Hills Phase II project winds up being pushed out further or does not happen at all, then the student projections in later years beyond 2026 could be significantly less than anticipated. Keep in mind that the potential growth in the Chapman Hills ES area would mask the overall declining enrollment in other regions of the District.

The Orange USD reached its peak K-6 enrollment back in 2001 when it reached just over 18,000 students. As of Fall 2019, the District had 14,216 TK-6 students and could lose another 328 TK-6 students by Fall 2020 (13,888 TK-6) and another 227 TK-6 total student loss by Fall 2021 (13,661 TK-6). From 2022 through 2026, the District's TK-6 student population could drop to around 12,753 elementary students. The TK-6 declines are not expected to stop even with new apartments and small Single and Multi-Family projects being constructed over the next seven years. If these new housing projects are delayed, then the anticipated TK-6 decline in the later years of the projections may show greater losses in enrollment.

In Fall 2003, the Orange Unified School District reached its peak 7-8 student population at 5,161. Currently, the Orange USD has 4,290 7-8 students attending one of their schools and that

February 27, 2020



Section Four – Page 25

Orange Unified School District

SY 2019/2020

figure may decline by 41 students to 4,249 by Fall 2020 and then continue to see more declines thereafter through 2026 (3,705 7-8 students).

The "bubble" of students began entering the District's high schools about 10 years ago which caused the District's 9-12 student population to grow and peak around Fall 2008 (10,005). Smaller grade class sizes have been entering the middle schools since 2003 and finally hit the District's high schools in 2009. In 2008, Orange USD's 9-12 student enrollment figure was at its peak with 10,005, in 2016 it was 9,018, and is now 8,524 in October 2019. The seven-year projections have this declining trend at the high school grades continuing with losses as small as 25-263 students from one year to the next. The high schools can expect to decline to around 7,609 by 2026 (a net loss of 915 9-12 students). The 9-12 declines could continue if large planned developments do not occur over the projection timeframe.

Dramatic changes to the economy and housing market starting in 2008 had a drastic impact on the area's demographics and have had a direct effect on the enrollment at Orange USD. The sharp decline in the construction of new homes, the reduction in selling of existing homes along with the increase of home foreclosures have all helped to contribute to the aging of the student population. Declines in the birth rates over the past 5-10 years have resulted in smaller Kindergarten class sizes over the last 5-6 years (see Chart 3 on page 23). At this point the Southern California housing market has made improvements over the last few years, but it is quite a bit less than the area had been experiencing a decade ago. Therefore, it is critical to closely monitor the housing market in Orange County, as well as the Orange USD area and update the student projections annually to see if there is any reversal of these patterns. A more detailed analysis at the individual school attendance area level is broken down at the K-6, 7-8 and 9-12 grade groupings and can be found in upcoming pages.

Elementary School (K-6) Student Projections by "Residence"

The birth factors used in the projections (see page 4) forecast that the K class sizes may continue to decline District-wide over the next seven years. This trend leads to similar patterns for many of the District's current elementary attendance areas, mostly stable or declining populations. For many years, a number of Orange USD elementary schools were near or at their capacities. Over the last five years, many of these schools have found some relief. The projections in this report show that many of these elementary attendance areas should continue to see fairly stable or even declining student populations over the next seven years (for a listing of "residential" projections by Elementary Attendance Area, please see Appendix B).

Many of the older neighborhoods, especially ones in the south (such as Jordan, Esplanade, and La Veta) are currently experiencing declining student populations due to smaller Kindergarten classes over the past 3-4 years and are projected to continue this trend. The District-wide TK-6 projections show a declining trend for the next seven years (losing another 1,463 TK-6 students) through 2026. In many of the District's established neighborhoods, the older students are graduating out of the system, and a lesser number of new students are moving in. In many cases, families are simply not moving at all. In recent years there has also been another trend occurring, where people are staying put, not moving out and therefore the typical turnover in certain neighborhoods is not happening and the population is aging. Additionally, many of the new families that have been moving into the District have been characterized by having fewer and/or older children, meaning that there are fewer young children to replace the larger class sizes graduating out. This has been a more common occurrence in many Districts in Orange County. In addition, the nearly 2,000 luxury apartments that are planned for the District over the next seven years, typically do not generate younger elementary school-age students.

There are some instances where certain older communities may actually begin to see a resurgence of a younger student population as the older residents move out and newer, younger,

February 27, 2020



Section Four – Page 26

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

larger families move in. This is especially true in the Fairhaven, Olive, and Taft areas. These communities will need to be closely monitored by the District to make sure if this is a continuing trend or an anomaly. Please see Table 6 (on page 28) for a breakdown of the net growth or decline by each elementary attendance area, based upon the Fall 2019/2020 projections by "residence." Eventually the Chapman Hills area can also be expected to see large increases in student populations, but this is dependent upon exactly when The Irvine Company decides to begin its new housing development, the Santiago Hills Phase II project area.

When you look at the District-wide projected TK-6 population over the next seven years, there does not appear to be a need for any new elementary schools. Another issue is that the District is experiencing an uneven distribution of the K-6 student population across their boundary. The District has eight elementary attendance areas with student populations below 400 students (Chapman Hills, Imperial, Linda Vista, Nohl Canyon, Palmyra, Panorama, Serrano, and West Orange [K-5]), while two other areas have a much larger resident student populations greater than 700 students (Handy and Lampson Elementary Schools).

Chapman Hills, located in the southern portion of the District, currently has a low number of K-6 students (191) living in its attendance area (it had 206 in 2018, 242 in 2016, 272 in 2014 and 323 in 2012). According to the projections by "residence," Chapman Hills' current attendance area could drop as low as 171 resident students by 2022. The southern portion of the Irvine Company's Santiago Hills Phase II development (Study Area 291A & 291C) is assigned to Chapman Hills but it is not expected to impact the area over the next seven years. If the Santiago Hills project happens, then the District should easily be able to accommodate these "new" students at Chapman Hills. The neighboring Panorama area is currently at 183 K-6 residents and is expected to decline slightly over the next seven years to about 161 resident students. If the proposed new housing units in Chapman's area is further delayed, then the District will need to determine how low they are willing to let Chapman and Panorama's resident counts get; a potential consolidation between these two sites may be an inevitable process.

Elementary School (K-6) Conclusions

From Fall 2001, when the Orange USD reached its peak K-6 enrollment (18,022), to Fall 2007, when it reached its lowest K-6 count since 1995 (15,417 K-6 in 2007), the Orange USD lost 2,605 K-6 students (or a 14.5% loss). Since 2007, the District has lost 1,201 elementary school students (14,216 in 2019). At the District-wide level, the TK-6 projections by "residence" show that there will be continuous decreases through 2026 with the District losing another 1,463 TK-6 students over that seven-year span (14,216 in 2019 to 12,753 in 2026). Eight of the current elementary attendance areas are expected to see stable student populations (+/- the size of a classroom) over the next seven years (see Table 6 on page 28). Keep in mind that TK-6 students could grow if new or previously planned development, such as Santiago Hills Phase II, breaks ground over the course of the projection timeframe. Please see the maps on pages 29-31 of the current and projected elementary school students for each District attendance area.

Currently, the Orange USD has 26 elementary schools that have a specific attendance area and one magnet school (McPherson) that has no boundary and pulls K-8 students from across the District. The projections by "residence" do not have an attendance area projection for McPherson. The existing 642 K-6 McPherson students are folded into the existing elementary attendance areas based upon where the McPherson students actually live. Therefore, if you take into account the 642 K-6 students that attend McPherson, many of the attendance area figures should actually be a bit lower (by about a classroom per school). The Elementary and Middle School attendance matrices on pages 18 & 19 show exactly what attendance area the McPherson students come from.

February 27, 2020



Section Four – Page 27

Orange Unified School District

SY 2019/2020

Table 6
Projected Net Growth/Decline for
Elementary Attendance Area

Attendance Areas with Large Increases (75 students or greater)	Net Change (rounded up)
Olive	123 K-6 Totals
Total Schools: 1	

Attendance Areas with Small Increases (between +35 and +74)	Net Change (rounded up)
Fletcher	37 K-6 Totals
Total Schools: 1	

Attendance Areas with Little or No Projected Growth (between +35 and -35)	Net Change (rounded up)
Imperial	22 K-6 Totals
Running Springs	18 K-6 Totals
Nohl Canyon	16 K-6 Totals
Villa Park	6 K-6 Totals
Crescent	-4 K-6 Totals
Chapman Hills	-17 K-5 Totals
Panorama	-22 K-6 Totals
Palmyra	-27 K-6 Totals
Total Schools: 8	

Attendance Areas with Small Decreases (between -35 and -74)	Net Change (rounded up)
Linda Vista	-40 K-6 Totals
Serrano	-48 K-6 Totals
Esplanade	-48 K-6 Totals
Anaheim Hills	-51 K-6 Totals
Lampson	-57 K-5 Totals
West Orange	-58 K-5 Totals
Fairhaven	-68 K-6 Totals
Total Schools: 7	

Attendance Areas with Large Decreases (75 students or greater)	Net Change (rounded up)
Taft	-80 K-6 Totals
Sycamore	-91 K-5 Totals
Prospect	-93 K-6 Totals
Canyon Rim	-99 K-6 Totals
Cambridge	-107 K-6 Totals
Handy	-111 K-6 Totals
La Veta	-130 K-6 Totals
California	-147 K-5 Totals
Jordan	-179 K-6 Totals
Total Schools: 9	

The above figures are based upon the largest net effect for each elementary attendance area over a seven-year period, using the projections by "residence" in the SY 2019/20 Report.

February 27, 2020



Section Four – Page 28

APPENDIX DEMOGRAPHICS REPORT

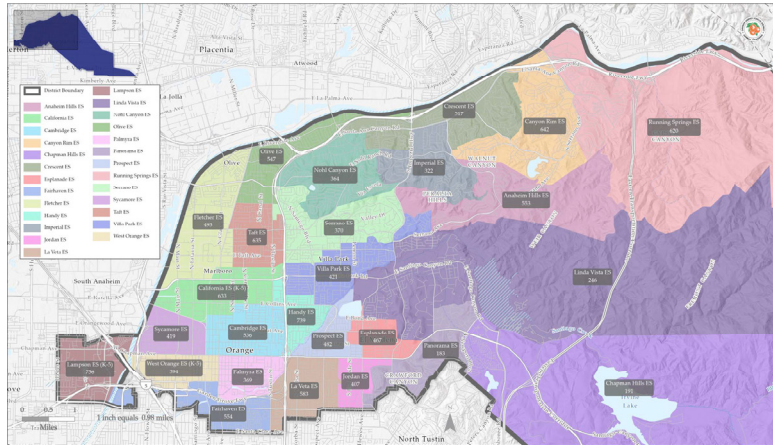
Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Map 3 - Projected K-5 Student Counts by Elementary Attendance Area - Current Fall 2019/20 Count



February 27, 2020

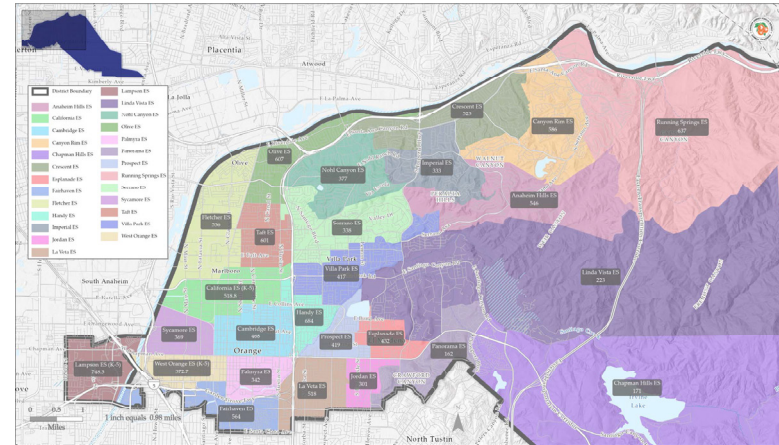
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Section Four - Page 29

Orange Unified School District

SY 2019/2020

Map 4 - Projected K-5 Student Counts by Elementary Attendance Area - Projected Fall 2022/21 Count



February 27, 2020

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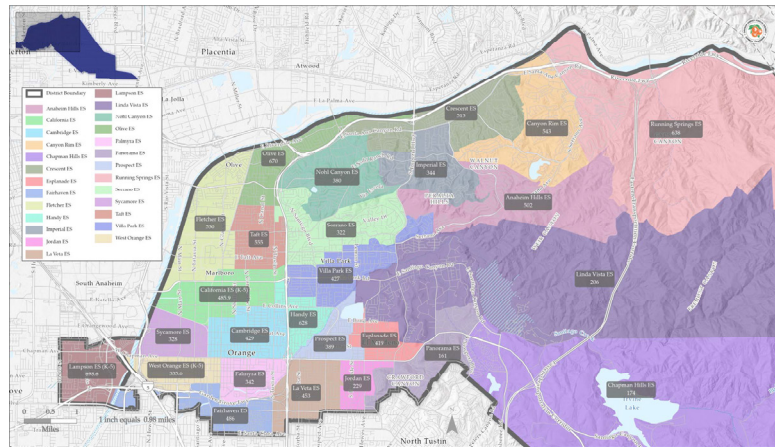
Section Four - Page 30



Orange Unified School District

SY 2019/2020

Map 5 - Projected K-6 Student Counts by Elementary Attendance Area - Projected Fall 2026/27 Counts



February 27, 2020

DAVIS

Section Four - Page 31

Orange Unified School District

SY 2019/2020

Middle School (7-8) Student Projections by "Residence"

As of October 2019, the Orange USD had 3,962 7-8 students living within its boundaries (excluding SDC students), down 112 from the 4,074 it had in 2018. In 2019, Cerro Villa's attendance area contained 877 7-8 students, 36 less than its 2018 figure (913 in 2018, 921 in 2017, 904 in 2016). El Rancho's area has 986 7-8 resident students, which is 43 less than it had in 2018 (1,029 in 2018, 1,057 in 2017 and 1,069 in 2016). In 2019, Portola (which is actually a 6-8 middle school) has 675 7-8 students in its attendance area, which is 2 less students than it had at the same time in 2018 (677 in 2018, 674 7-8 in 2017, 700 7-8 residents in 2016). The Santiago attendance area contained 828 7-8 students in 2019, which is 5 more than it had in 2018 (823 in 2018, 811 in 2017, 872 7-8 students in 2016). As of Fall 2019, there were 596 7-8 students living within Yorba's attendance area (it is actually a 6-8 school), which is 36 students less than its 2018 resident count (632 in 2018, 651 in 2017 and 645 7-8 students in 2016). Overall you can see that the District's 7-8 student population has declined over the past four years (-223 when comparing 2019 to 2016 resident counts). Please see the Middle School Attendance Matrix, on page 19, for a comparison of how many middle school students live in each of their attendance areas versus how many students actually attend each facility. The K-6 Elementary Matrix also contains Portola and Yorba MS's, but shows exactly which areas of the District their 6th graders are coming from.

According to the projections in this year's report, over the next seven years the 7-8 student population for the Orange USD is expected to decline. Smaller grade classes have been entering the middle schools thus driving smaller middle school resident populations. By Fall 2026 (the last year of the projections), it shows that the resident 7-8 student population may be around 3,422 (excluding SDC), a net decline of 540 7-8 students (or a 13.6% loss). If new development does not occur over the projection timeframe, then the decline at the middle schools could continue. The middle school grades could eventually increase beyond the scope of these projections (sometime after Fall 2026) if The Irvine Company decides to build its preapproved 1,180 mixed units, so the District will need to continue to closely monitor any new housing growth.

In the past, the District's current middle schools housed over 5,000 7-8 students. Since the seven-year projections show the District-wide 7-8 projections to not even exceed the 4,600 level, then these five sites should be able to easily accommodate their enrollment over the next seven years. Please see the map on page 34 of the current and projected middle school students for each District attendance area.

All of the District's current five middle schools are expected to see net decline over the next seven years, with minimal growth in between years. The middle school's attendance areas could show the following net decreases in their resident population over the next seven years: Cerro Villa (-29 7-8 students), El Rancho (-33 7-8 students), Portola (-159 6-8 students), Santiago (-208 7-8 students) and Yorba (-283 6-8 students). Collectively, these five attendance areas can see a net decline of 711 middle school students. All of the District's middle schools appear to have more than enough room to accommodate their projected counts: Cerro Villa once housed 1,155 7-8 students (2004) and now has 904 attending; El Rancho had 1,204 7-8 students attending in 2016 and now has 1,196; Portola had 958 6-8 students attending in 2002 and now has 493; Santiago had 1,164 7-8 students in 2003 and now houses 1,022; and Yorba once had 863 6-8 students in 2004 and now has 455. Overall, the District's middle schools should have no problem accommodating its projected student counts over the next seven years.

Please see the "residence" projections for the District's middle schools in Appendix B, pages B-11 to B-12, for specific figures for each of these sites through Fall 2026.

February 27, 2020

DAVIS

Section Four - Page 32

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APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Middle School (7-8) Conclusions

From 2009 through 2013 the Orange USD 7-8 counts remained fairly stable around 4,600 students. In 2014 that figure dropped to 4,439 7-8 students enrolled. In fact, the drop from 2013 to 2014 (170 7-8 students) was the largest 7-8 student decline since 2005. Orange USD 7-8 student population is expected to see an overall decline of 585 7-8 students through 2026. This decline is mostly due to smaller grade classes entering the District's middle schools from the feeder elementary schools. Currently (Fall 2019), the Orange USD middle school (7-8) student population is at 4,290 and can be at 3,705 7-8 students by Fall 2026. Assuming that the Santiago Hills Phase II units do not start construction before 2026, then the middle school grades could continue to decrease beyond the scope of these projections (past Fall 2026).

The Irvine Company is no longer planning on building the remainder of the East Orange area that is located east of Santiago Hills Phase II. The East Orange area had included a K-8 school site designed to house up to 900 K-8 students, but since those units are not going to be built, then the new site should not be needed. In addition, The Irvine Company is not going to build any of the 2,500 units in the Mountain Park project. The cancellation of these two large projects definitely diminishes the impact of new students. New school construction and existing site expansion projects that were associated with these two large projects are not needed now.

Overall it does appear that the District's five existing middle school sites should be able to accommodate their projected students over the next seven years. The existing five middle schools should all experience more declines in its enrollment over the next seven years and, therefore, will easily be able to house its projected student population during that time span. Please see the map on page 34 of the current and projected middle school students for each District attendance area.

Please keep in mind the following: the five middle school attendance area projections include all 205 McPherson Magnet School 7-8 students. Therefore, each middle school attendance area projection can have a certain number of students removed due to them choosing to attend McPherson. McPherson does not have a specific attendance boundary and, therefore, pulls students from the entire District. See both the Elementary and Middle School Attendance Matrices (pages 18 and 19) to see from which attendance areas that the McPherson Magnet School pulls its students.

February 27, 2020

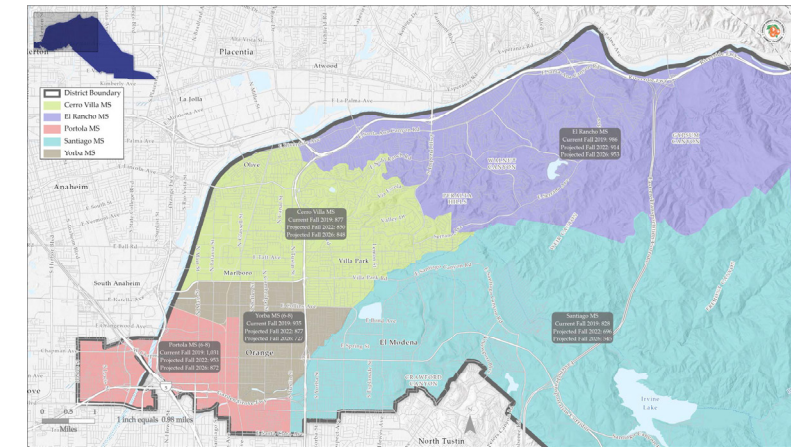


Section Four – Page 33

Orange Unified School District

SY 2019/2020

Map 6 – Projected 7-8 Student Counts by Middle Attendance Area



February 27, 2020

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Section Four – Page 34

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

High School (9-12) Student Projections by "Residence"

The Orange USD's 9-12 enrollment figures have dropped since 2014. After hitting a peak of 10,005 9-12 students in Fall 2008, the District saw its high school enrollment drop to 8,524 in 2019 (a net loss of 162 9-12 students from 8,686 from 2018). There was a slight uptick in the 9-12 students in 2014, but it appears that that was a one-time anomaly. According to the projections, it appears the reduction in the number of 9-12 students will continue for six years after Fall 2020 where there may be an 81 student increase district wide. After excluding "Out-of-District" and SDC students, Orange USD had 7,910 9th through 12th graders living within its boundaries in 2019 (down from the 8,046 in 2018, 8,138 in 2017 and the 8,328 in Fall 2016). By Fall 2019, the projections show that the high school student population count could increase by 75 students living within the current Orange USD boundaries (excluding SDC students), reaching 7,985 9-12 students. In 2021, the high school student population could begin to see declines start again. This decline in high school students is mainly due to an aging resident population (smaller incoming grade class sizes from its feeder middle schools) and only minimal new single-family housing planned each year (approximately 30-50 units annually) and lots of high-rise luxury apartments that do not generate many new students. Overall, the new proposed development is not enough to compensate for the entering smaller grade classes.

According to historical data, Canyon High School's enrollment reached its peak in 2011 when it housed 2,435 students. In 2016 the enrollment for Canyon was 2,285 9-12 students, 2,314 students in 2017, 2,200 in 2018, and is now at 2,174 9-12 students (a net loss of 111 students over the past 3 years). The existing Canyon attendance boundary is expected to see its overall 9-12 student population decline by 162 students through 2026 (a net loss of 8.5%). Currently (excluding SDC), 1,892 9-12 grade students live within Canyon's attendance area (down from the 1,937 in 2018, 1,962 in 2017, and 1,987 in 2016). Recently, entering 9th grade class sizes for the Canyon area have begun to get smaller, while the larger 12th grade classes graduate out. This is a typical trend for older established areas with no recent new housing construction. If the Canyon attendance area has truly reached its peak, then the school should have no problems accommodating its resident population over the next seven years.

The existing El Modena High School attendance boundary is expected to see a net decline of 304 9-12 students over the next seven years. For Fall 2019, there were 1,630 9-12 students (excluding SDC) living within El Modena's attendance area (down from the 1,684 it had in 2018). By quite a large margin, El Modena's attendance area currently contains the District's smallest resident counts among its four high schools and that figure should continue to decline. To help compensate for these losses, the District has allowed El Modena to have one of the District's highest "transfers in" percentages among its four high schools (34.4% of El Modena HS's enrollment comes from outside of its assigned boundary); the District-wide rate is 23%. According to current trends, El Modena's existing attendance area could have its 9-12 resident students decline down to 1,326 by 2026. Overall, the net decline for the El Modena area is 304 9-12 students (-18.7%) through 2026. The main reason for this decline is that there are larger grade classes that will be graduating out and are being replaced by smaller incoming 9th grade class sizes. Another reason why the decline is so drastic, is that there are no new housing units planned during the projection window. At one point there was a large amount of planned new residential development within El Modena's attendance area, but now only the Santiago Hills Phase II project could happen (the remainder of the East Orange project is no longer being planned by The Irvine Company). The new students that could come out of these new units are now not expected show up. Until there are more definitive plans for the Santiago Hills Phase II project, it should be assumed that El Modena's boundary will continue to decline. El Modena once housed as many as 2,207 9-12 students as recently as Fall 2011. During the scope of this report (through Fall 2026) it appears that El Modena should have no problems housing its resident 9-12 counts and even continue to house the large amounts of incoming students from outside of its boundary.

February 27, 2020



Section Four – Page 35

Orange Unified School District

SY 2019/2020

Orange High School reached its highest enrollment figure for the past 20 years in 2008 when it housed 2,439 9-12 students; its enrollment dropped steadily thereafter. In 2014, the Orange enrollment grew slightly to 1,928 (+27) but by 2019 it's down to 1,767 9-12. In 2008 Orange HS had the District's highest enrollment of its four high schools, now in 2019, Orange is by far the smallest of the four. As of October 2019, Orange had 2,588 9-12 students living within its current boundary (excluding SDC), which is down from 2,606 in 2018. However, this total is by far the largest resident population of the four high schools; Canyon is the next closest at 1,892. The projections have the current Orange attendance area experiencing an overall decrease over the next seven years, going from 2,588 in 2019 to 2,291 in 2026 (a net loss of 297 9-12 students, or a decrease of 11.5%). For over ten years, the Orange area has had the largest resident population among the District's four high schools. However, for the last six years, Orange has had the smallest enrollment of the four schools. Orange has the District's smallest "transfer in" rate (10.2% versus the District-wide of 23%) while having, by far, the District's highest "transfer out" rate. Over 43% of Orange's resident students go to another District school; the next closest figure is the 18.8% for Villa Park. A total of 1,116 9-12 students that live in Orange's area choose to go to another District school. That includes 558 9-12 students living in the Orange area and going to El Modena and 429 resident 9-12 students going to Villa Park. All of these factors point to the fact that either Orange has outgrown its attendance area and/or that there are deeper issues for such drastic trends. These "transfer out" rates for Orange have been happening for quite some time. Assuming that the current transfer trends continue, Orange should be able to accommodate the any projected short-term growth in its area (between 2021-2022), especially since it has housed up to 2,445 students. However, the District needs to closely monitor this high "transfer out" trend with Orange, because if more students in Orange's area chose to go to Orange, then the District may be facing an extreme situation. The District may want to explore the possibility of making a boundary adjustment with Orange and its adjacent attendance areas to better balance the resident 9-12 populations and prevent this issue from becoming more serious or at least try to determine why so many Orange residents leave to go to other high schools.

Villa Park High School has been the Orange USD's largest high school in terms of enrollment for the last nine years. For the last eleven years, Villa Park's enrollment has lowered just slightly until this year, it dropped to 2,257 9-12 students in 2019 (losing only 51 students since 2018). It appears that Villa Park might have reached its peak in 2010. Like many of the areas within Orange USD, the population in Villa Park's area is aging and the larger grades are graduating out and being replaced by smaller 9th grade classes. Currently 1,800 9-12 graders (excluding SDC) live within Villa Park's attendance area (down from the 1,819 in 2018, 1,817 in 2017, and 1,900 in 2016). The projections show that the Villa Park attendance area is expected to see its 9-12 student population increase by 56 students in 2020 and then start a declining trend from 1,856 students to 1,713 by 2026. The two main reasons for this decline is due to no new significant housing projects in its area (the region is essentially built-out) and smaller middle school classes moving through its area for the foreseeable future. The number of "transfer in" to Villa Park has increased in each of the last seven years and it now makes up just under 32.7% of its enrollment. Most of these transfers are coming from the Orange HS area (429 of the 738 "transfer in" to be exact). The District needs to monitor the transfer trends very closely. If this trend reverses itself, then Villa Park HS could be in store for some dramatic decreases in its enrollment. Since Villa Park has had as many as 2,500 students enrolled (in the 2010/2011 SY) then it should have no problems housing the projected student counts for the next seven years as well as the large number of "transfer in."

February 27, 2020



Section Four – Page 36

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

High School (9-12) Conclusions

Based upon October 2019 enrollment figures, three of the District's four high schools (Canyon, El Modena, and Villa Park) all are near or exceed 2,000 9th-12th grade students. Orange has been dramatically dropping its enrollment despite the population in its attendance area remaining high (the highest in the District). According to the historical data, it appears that the District reached its peak enrollment for its high schools around the Fall 2008 school year (10,005 9-12 students) and has lost about 1,481 9-12 students over the past ten years (8,704 in 2018). The projections show that the District should continue to see an overall decline in their 9-12 enrollment for the next seven years (losing another 915 9-12 students). The degree of loss in the 9-12 student population over the next seven years could be lessened by any new housing construction activity and if birth rates continue to rise. If any of the new developments, including the start-up of the Santiago Hills Phase II units as well as the many new apartment complexes in the south of the District are delayed, then decreases in the 9-12 student population may worsen.

Over the past five years, The Irvine Company has decided to not proceed with building the Mountain Park or the remainder of the East Orange project; only the Santiago Hills Phase II units may have a chance to start. Orange USD has no plans to build a new high school facility. However, the District was planning on eventually expanding Canyon and El Modena High Schools to accommodate the new growth, which was mainly due to the large planned residential development by The Irvine Company (Mountain Park in Canyon's area and Santiago Hills Phase II and the remainder of the East Orange projects located within El Modena's area). Now that the Santiago Hills Phase II (accounting for 1,180 mixed units) is the only planned Irvine Company project, then District will need to determine once it gets started if it will need any expansions to El Modena HS. No expansion is necessary before 2026. The Orange USD should have more than enough room at their existing high schools to house the anticipated 9-12 students during the span of this report (through Fall 2026). However, boundary adjustments may be necessary between the District's four high schools to more evenly distribute the 9-12 student population due to demographic shifts.

Please keep in mind the following: the projections by "residence" include the 159 resident students attending Richland Continuation High School. This school does not have a specific attendance boundary and, therefore, pulls students from the entire District. Most of Richland's students come from the Orange HS area (84 of 208 resident students, or 53% of Richland's enrollment). Since Richland is expected to continue operating throughout the next seven years, then it is safe to assume that it would absorb about the same number of students. See the High School (9-12) Attendance Matrix on page 20 to find the breakdown of which attendance areas the Richland Cont. HS students live within.

February 27, 2020

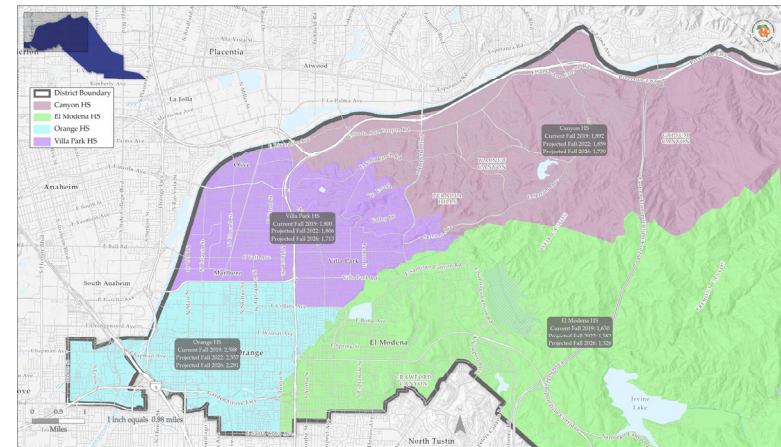


Section Four – Page 37

Orange Unified School District

SY 2019/2020

Map 7 – Projected 9-12 Student Counts by High Attendance Area



February 27, 2020

DAVIS

Section Four – Page 38



Orange Unified School District

SY 2019/2020

Appendix A***Listing of Each Attendance Area by Study Area for Each School***Elementary SchoolsMiddle SchoolsHigh Schools

Orange Unified School District

SY 2019/2020

**Breakdown of Each Elementary School and the Study Areas that Comprise
Each Attendance Area for the Orange USD**

SCHOOL #	SCHOOL NAME	STUDY AREAS FOR EACH ATTENDANCE AREA
268	Anaheim Hills Elementary School	107A, 107C, 111A, 111B, 112, 120 6 Study Areas
240	California Elementary School (K-5)	126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 160, 165, 166, 173, 174, 180, 181 17 Study Areas
241	Cambridge Elementary School	175, 176, 177, 178, 179, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 200 22 Study Areas
269	Canyon Rim Elementary School	30, 31, 35, 37, 38, 39, 109, 110A, 110B, 113, 114, 115, 116, 117, 118, 119 16 Study Areas
250	Chapman Hills Elementary School	157A, 224, 225, 226, 227, 289, 291A, 291B, 291C, 291D 10 Study Areas
242	Crescent Elementary School	21, 22, 23, 25, 26, 27, 28, 29 8 Study Areas
243	Esplanade Elementary School	210, 212, 213, 214, 215, 217, 219, 220, 221, 222 10 Study Areas
244	Fairhaven Elementary School	9, 10, 230, 237, 238, 239, 240, 241, 251, 252, 253, 254, 255, 256 14 Study Areas
245	Fletcher Elementary School	11, 12, 43, 44, 45, 46, 47, 48, 49, 61A, 61B, 124A, 124B, 125 14 Study Areas
246	Handy Elementary School	136, 137, 141, 142, 198, 199, 201, 202A, 202B 9 Study Areas
267	Imperial Elementary School	24, 103, 104, 105, 106 5 Study Areas
248	Jordan Elementary School	271, 273, 276, 277, 278, 279, 280, 281, 282, 283, 285 11 Study Areas
252	La Veta Elementary School	259A, 259B, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 272, 274, 275 16 Study Areas

6.3

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Breakdown of Each Elementary School and the Study Areas that Comprise Each Attendance Area for the Orange USD (continued)

SCHOOL #	SCHOOL NAME	STUDY AREAS FOR EACH ATTENDANCE AREA
251	Lampson Elementary School (K-5)	1,2,3,4,5,6,7,8 8 Study Areas
253	Linda Vista Elementary School	108A,108B,150,151,152,153,154A,154B,155,157,158,211,218 13 Study Areas
254	Nohl Canyon Elementary School	18A,18B,18C,77A,77B,77C,87A,87B,88,89,90 11 Study Areas
255	Olive Elementary School	13A,13B,14,15,16,17,19,20,50,51,52,53 12 Study Areas
256	Palmyra Elementary School	242,243,244,245,246,247,248,249,250,257,258A,258B 12 Study Areas
257	Panorama Elementary School	156,223A,223B,284,286,287A,287C,288 8 Study Areas
259	Prospect Elementary School	149,203,204,205,206,207,208,209,216 9 Study Areas
270	Running Springs Elementary School	32,33,34,36,40,41,42A,42B,121,122,123 11 Study Areas
261	Serrano Elementary School	69B,73,74,75,76A,76B,78,79,80,81,82,83,84,85,91,92,93,94,95,102C 20 Study Areas
263	Sycamore Elementary School	159A,159B,161,162,163,164,167,168,169,170,171,172 12 Study Areas
264	Taft Elementary School	54,55,56,57,58,59,60,62A,62B,63,64,65,66,67,68,69A,70,71,72 19 Study Areas
265	Villa Park Elementary School	86,96,97,98,99,100,101,102A,102B,107B,138,139,140,143,144,145,146,147,148 19 Study Areas
266	West Orange Elementary School (K-5)	228,229,231,232,233,234,235,236 8 Study Areas
All elementary schools are K-6, unless noted.		There is a Grand Total of 320 Study Areas

February 27, 2020



Appendix A – Page 3

Orange Unified School District

SY 2019/2020

Breakdown of Each Middle School and the Study Areas that Comprise Each Attendance Area for the Orange USD

SCHOOL#	SCHOOL NAME	STUDY AREAS FOR EACH ATTENDANCE AREA
380	Cerro Villa Middle School	11,12,13A,13B,14,18A,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61A,61B,62A,62B,63,64,65,66,67,68,69A,69B,70,71,72,73,74,75,76A,76B,77A,77B,77C,78,79,80,81,82,83,84,85,86,87A,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102A,102B,102C,107B,108A,108B,124A,124B,125,126,129,130,133,134,138,139,140,141,142,143,144,145,146,147,148 96 Study Areas
387	El Rancho Middle School	15,16,17,18B,18C,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42A,42B,87B,103,104,105,106,107A,107C,109,110A,110B,111A,111B,112,113,114,115,116,117,118,119,120,121,122,123 54 Study Areas
383	Portola Middle School (6-8) (contains 6th graders from Lampson & West Orange Elementary Schools Attendance Areas)	1,2,3,4,5,6,7,8,9,10,159A,159B,161,162,163,164,167,168,169,170,171,172,175,176,177,178,179,228,229,230,231,232,233,234,235,236,237,238,239,240,241,251,252,253,254,255,256 47 Study Areas
384	Santiago Middle School	149,150,151,152,153,154A,154B,155,156,157,157A,158,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223A,224B,224,225,226,227,259A,259B,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287A,287C,288,289,291A,291B,291C,291D 75 Study Areas
386	Yorba Middle School (contains 6th graders from California Elementary School's Attendance Area)	127,128,131,132,135,136,137,160,165,166,173,174,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202A,202B,242,243,244,245,246,247,248,249,250,257,258A,258B 48 Study Areas
All middle schools are 7-8, unless noted.		There is a Grand Total of 320 Study Areas

February 27, 2020



Appendix A – Page 4

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Breakdown of Each High School and the Study Areas that Comprise Each Attendance Area for the Orange USD

SCHOOL #	SCHOOL NAME	STUDY AREAS FOR EACH ATTENDANCE AREA
390	Canyon High School	15,16,17,18B,18C,19,20,21,22,23,24, 25,26,27,28,29,30,31,32,33,34,35,36, 37,38,39,40,41,42A,42B,87B,103,104,105,106, 107A,107C,108B,109,110A,110B,111A,111B,112, 113,114,115,116,117,118,119,120,121,122,123 55 Study Areas
391	El Modena High School	149,150,151,152,153,154A,154B,155,156,157,157A, 158,202B,203,204,205,206,207,208,209,210,211,21, 213,214,215,216,217,218,219,220,221,222,223A, 223B,224,225,226,227,258B,259A,259B,260,261, 262,263,264,265,266,267,268,269,270,271,272,273, 274,275,276,277,278,279,280,281,282,283,284, 285,286,287A,287C,288,289,291A,291B,291C,291D 77 Study Areas
392	Orange High School	1,2,3,4,5,6,7,8,9,10,127,128,131, 132,135,136,137,159A,159B,160,161,162, 163,164,165,166,167,168,169,170, 171,172,173,174,175,176,177,178, 179,180,181,182,183,184,185,186, 187,188,189,190,191,192,193,194, 195,196,197,198,199,200,201,202,228, 229,230,231,232,233,234,235,236,237, 238,239,240,241,242,243,244,245,246,247,248, 249,250,251,252,253,254,255,256,257,258 93 Study Areas
394	Villa Park High School	11,12,13A,13B,14,18A,43,44,45,46,47,48,49, 50,51,52,53,54,55,56,57,58,59,60,61A,61B, 62A,62B,63,64,65,66,67,68,69A,69B,70, 71,72,73,74,75,76A,76B,77A,77B,77C,78,79,80, 81,82,83,84,85,86,87A,88,89,90,91,92 93,94,95,96,97,98,99,100,101,102A, 102B,102C,107B,108,124A,124B, 125,126,129,130,133,134,138,139, 140,141,142,143,144,145,146,147,148 95 Study Areas
All high schools are grades 9-12.		There is a Grand Total of 320 Study Areas

February 27, 2020

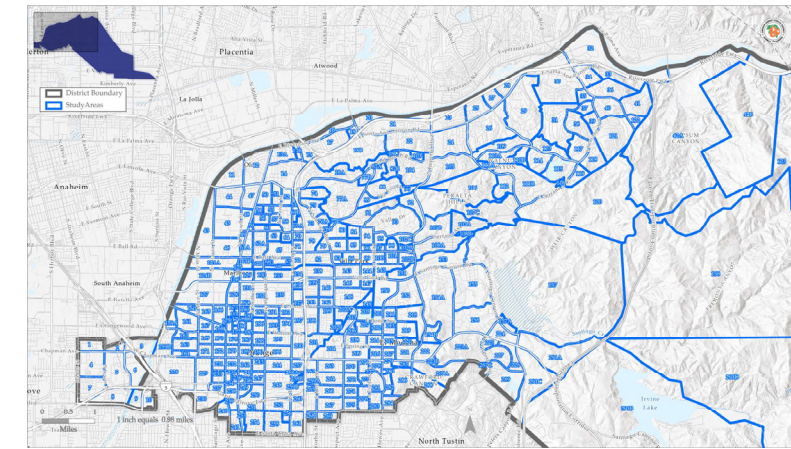


Appendix A – Page 5

Orange Unified School District

SY 2019/2020

Map A – Study Area Map



February 27, 2020

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Appendix A – Page 6



Orange Unified School District

SY 2019/2020

Appendix B**Attendance Area Projections Using The "Residence" Method***"Residence" Projections for the Elementary School Attendance Areas**"Residence" Projections for the Middle School Attendance Areas**"Residence" Projections for the High School Attendance Areas*

Orange Unified School District

SY 2019/2020

Elementary School Attendance Area Projections

Attendance Area Anaheim Hills ES Projection Date 10/2/2019

	Actual		Projected Resident Students					
	2019	2020	2021	2022	2023	2024	2025	2026
K	69	69	61	63	61	64	62	63
1	77	77	78	68	71	69	72	70
2	80	73	74	74	66	68	65	68
3	83	84	77	78	79	69	71	69
4	64	86	88	81	82	82	72	74
5	83	67	90	92	84	85	85	74
6	97	83	67	91	92	84	85	85
K-6	553	540	533	546	535	520	512	502
PK	0 Attending							
TK	27 Attending (20 Residing TK)							
SpEd	0 Attending							
OD	2 Attending							

Attendance Area California ES Projection Date 10/2/2019

	Actual		Projected Resident Students						
	2019	2020	2021	2022	2023	2024	2025	2026	
K	92	92	88	84	85	87	86	86	
1	96	90	90	86	82	84	86	84	
2	97	96	90	90	86	82	84	86	
3	119	90	89	84	84	80	77	78	
4	114	118	89	88	83	83	79	76	
5	115	111	114	87	86	81	80	77	
K-5	633	597	561	519	506	496	491	486	
PK	0 Attending								
TK	30 Attending (33 Residing TK)								
SpEd	0 Attending								
OD	4 Attending								

Attendance Area Cambridge ES Projection Date 10/2/2019

	Actual		Projected Resident Students					
	2019	2020	2021	2022	2023	2024	2025	2026
K	70	69	67	63	63	66	65	64
1	72	70	69	67	63	63	66	65
2	62	70	68	67	65	61	61	64
3	85	58	65	63	63	61	57	57
4	77	86	58	66	64	63	61	58
5	74	74	82	56	63	61	61	59
6	96	77	77	86	58	66	64	63
K-6	536	503	487	468	439	440	434	429
PK	0 Attending							
TK	56 Attending (34 Residing TK)							
SpEd	48 Attending							
OD	22 Attending							

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Elementary School Attendance Area Projections (Continued)

Attendance Area Canyon Rim ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	82	82	72	74	72	75	73	74
1	78	84	84	73	76	73	77	75
2	93	80	86	86	75	78	76	79
3	91	92	80	85	86	75	77	75
4	91	90	91	79	84	85	74	77
5	107	93	92	93	80	86	86	75
6	100	111	97	96	97	84	90	90
K-6	642	632	601	586	570	555	552	543
PK	0 Attending							
TK	49 Attending (31 Residing TK)							
SpEd	12 Attending							
OD	10 Attending							

Attendance Area Chapman Hills ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	30	30	28	28	28	29	28	28
1	20	28	28	27	27	26	27	27
2	29	21	29	29	27	28	27	28
3	25	26	19	26	26	25	25	24
4	33	24	25	18	25	25	24	24
5	27	31	23	24	17	24	24	23
6	27	24	27	20	21	15	21	20
K-6	191	183	179	171	171	171	175	174
PK	0 Attending							
TK	30 Attending (18 Residing TK)							
SpEd	0 Attending							
OD	13 Attending							

Attendance Area Crescent ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	75	75	66	68	66	69	67	67
1	67	76	76	66	69	66	69	68
2	69	70	79	79	69	71	69	72
3	77	70	71	80	81	70	73	71
4	86	82	75	76	86	86	75	78
5	73	83	79	72	73	83	83	72
6	70	75	85	82	75	75	85	85
K-6	517	531	531	523	517	521	521	513
PK	0 Attending							
TK	29 Attending (37 Residing TK)							
SpEd	0 Attending							
OD	6 Attending							

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

February 27, 2020



Appendix B - Page 3

Orange Unified School District

SY 2019/2020

Elementary School Attendance Area Projections (Continued)

Attendance Area Esplanade ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	72	71	68	68	67	69	68	68
1	58	66	65	62	62	61	62	62
2	59	55	62	61	58	58	58	59
3	68	57	53	60	59	56	57	56
4	69	69	58	53	60	59	57	57
5	71	70	69	58	54	61	60	58
6	70	71	70	69	58	54	61	60
K-6	467	457	444	432	419	419	422	419
PK	0 Attending							
TK	22 Attending (12 Residing TK)							
SpEd	22 Attending							
OD	5 Attending							

Attendance Area Fairhaven ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	75	77	80	78	77	80	78	78
1	87	74	79	82	75	73	76	75
2	84	85	76	81	79	72	70	72
3	72	82	87	78	78	75	69	66
4	79	68	81	85	72	71	69	63
5	70	80	73	85	84	71	70	67
6	87	69	82	75	82	80	68	66
K-6	554	536	560	564	546	524	499	486
PK	0 Attending							
TK	31 Attending (28 Residing TK)							
SpEd	60 Attending							
OD	24 Attending							

Attendance Area Fletcher ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	78	81	74	75	79	77	76	77
1	69	77	80	72	73	77	75	74
2	83	70	78	80	72	73	77	75
3	68	81	69	76	77	70	71	75
4	64	72	87	73	80	81	73	74
5	59	64	72	85	71	78	80	72
6	72	62	68	75	89	74	81	83
K-6	493	506	529	536	541	531	533	530
PK	0 Attending							
TK	30 Attending (33 Residing TK)							
SpEd	0 Attending							
OD	81 Attending							

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

February 27, 2020



Appendix B - Page 4

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Elementary School Attendance Area Projections (Continued)

Attendance Area Handy ES Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	97	96	93	88	88	91	90	89
1	114	101	100	97	91	92	95	94
2	101	112	99	98	95	90	90	93
3	111	99	110	97	96	93	88	88
4	105	108	96	106	94	93	90	85
5	97	104	107	95	105	93	92	89
6	114	94	101	103	92	102	90	90
K-6	739	714	705	684	662	654	635	628
PK	0 Attending							
TK	16 Attending (18 Residing TK)							
SpEd	11 Attending							
OD	1 Attending							

Attendance Area Imperial ES Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	49	49	43	44	43	45	44	44
1	42	47	47	41	43	41	43	42
2	43	45	50	50	44	46	44	46
3	38	47	49	55	56	48	50	49
4	49	38	47	49	55	56	48	50
5	41	51	40	50	52	58	58	51
6	60	44	55	43	53	56	62	62
K-6	322	322	332	333	346	349	350	344
PK	0 Attending							
TK	31 Attending (13 Residing TK)							
SpEd	37 Attending							
OD	22 Attending							

Attendance Area Jordan ES Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	36	35	34	34	34	34	34	34
1	51	38	38	36	36	36	36	36
2	53	46	35	34	33	33	32	33
3	72	52	46	34	34	32	32	32
4	63	70	50	44	33	33	31	31
5	66	61	67	48	42	32	31	30
6	66	69	63	70	50	44	33	32
K-6	407	371	332	301	262	243	230	229
PK	0 Attending							
TK	27 Attending (22 Residing TK)							
SpEd	41 Attending							
OD	0 Attending							

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

February 27, 2020



Appendix B – Page 5

Orange Unified School District

SY 2019/2020

Elementary School Attendance Area Projections (Continued)

Attendance Area La Veta ES Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	69	68	65	65	64	66	65	65
1	76	66	65	63	63	62	63	63
2	81	79	69	68	65	65	64	66
3	93	79	77	67	66	63	63	62
4	84	96	81	79	69	68	65	65
5	88	84	96	81	79	69	68	65
6	92	88	84	96	81	79	69	68
K-6	583	560	537	518	487	471	457	453
PK	0 Attending							
TK	22 Attending (36 Residing TK)							
SpEd	11 Attending							
OD	24 Attending							

Attendance Area Lampson ES Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	121	121	122	117	119	125	122	121
1	126	117	121	121	116	118	120	117
2	137	123	119	122	122	117	114	117
3	112	136	126	121	123	123	114	112
4	124	112	139	129	124	126	122	113
5	136	122	114	139	129	124	122	119
K-5	756	731	742	748	734	733	715	699
PK	0 Attending							
TK	30 Attending (33 Residing TK)							
SpEd	0 Attending							
OD	37 Attending							

Attendance Area Linda Vista ES Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	31	31	29	29	29	30	29	29
1	29	31	30	29	29	29	29	29
2	38	27	29	28	27	27	27	27
3	31	39	28	29	29	28	28	28
4	33	33	42	29	31	31	29	30
5	34	34	34	43	30	32	32	30
6	50	35	35	35	44	31	33	32
K-6	246	229	226	223	220	207	207	206
PK	0 Attending							
TK	29 Attending (11 Residing TK)							
SpEd	4 Attending							
OD	6 Attending							

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

February 27, 2020



Appendix B – Page 6

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Elementary School Attendance Area Projections (Continued)

Attendance Area Nohl Canyon ES Projection Date 10/2/2019									
Actual	Projected Resident Students								
2019	2020	2021	2022	2023	2024	2025	2026		
K	47	48	44	45	47	46	46	46	46
1	47	50	52	47	48	50	49	48	48
2	54	53	56	58	52	53	55	54	54
3	51	60	59	63	64	57	59	61	61
4	61	49	57	56	59	61	55	56	56
5	50	60	48	57	55	58	60	54	54
6	54	53	63	51	59	57	61	62	62
K-6	364	373	380	377	384	383	383	380	
PK	0 Attending								
TK	0 Attending (15 Residing TK)								
SpEd	0 Attending								
OD	9 Attending								

Attendance Area Olive ES Projection Date 10/2/2019									
Actual	Projected Resident Students								
2019	2020	2021	2022	2023	2024	2025	2026		
K	97	98	88	90	92	91	91	91	91
1	83	101	102	91	94	96	96	94	94
2	71	84	102	103	92	95	97	97	97
3	65	70	82	100	101	90	93	95	95
4	72	65	70	82	100	101	90	93	93
5	65	75	68	72	85	104	105	94	94
6	94	65	75	68	72	85	104	105	105
K-6	547	558	586	607	638	664	676	670	
PK	0 Attending								
TK	32 Attending (31 Residing TK)								
SpEd	37 Attending								
OD	8 Attending								

Attendance Area Palmyra ES Projection Date 10/2/2019									
Actual	Projected Resident Students								
2019	2020	2021	2022	2023	2024	2025	2026		
K	59	58	57	53	53	55	55	54	54
1	46	54	53	52	48	48	50	50	50
2	50	44	51	50	49	46	46	48	48
3	44	52	45	53	53	51	48	48	48
4	56	44	52	45	53	52	51	47	47
5	60	53	41	49	43	50	49	48	48
6	54	58	52	40	47	42	48	48	48
K-6	369	363	351	342	346	344	347	342	
PK	0 Attending								
TK	2 Attending (13 Residing TK)								
SpEd	36 Attending								
OD	22 Attending								

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

February 27, 2020



Appendix B - Page 7

Orange Unified School District

SY 2019/2020

Elementary School Attendance Area Projections (Continued)

Attendance Area Panorama ES Projection Date 10/2/2019									
Actual	Projected Resident Students								
2019	2020	2021	2022	2023	2024	2025	2026		
K	25	25	24	24	23	24	24	24	24
1	28	26	26	25	25	25	25	25	25
2	28	28	26	26	25	25	25	25	25
3	17	26	26	24	24	23	23	23	23
4	31	15	23	23	22	22	21	21	21
5	26	33	16	25	25	23	23	22	22
6	28	25	31	15	24	24	22	22	22
K-6	183	178	172	162	167	165	162	161	
PK	0 Attending								
TK	30 Attending (12 Residing TK)								
SpEd	0 Attending								
OD	15 Attending								

Attendance Area Prospect ES Projection Date 10/2/2019									
Actual	Projected Resident Students								
2019	2020	2021	2022	2023	2024	2025	2026		
K	69	68	65	65	64	66	65	65	65
1	59	66	65	62	62	61	62	62	62
2	74	56	62	61	58	58	58	59	59
3	75	71	53	59	58	56	56	55	55
4	65	71	67	50	56	55	53	53	53
5	68	59	64	61	46	51	50	48	48
6	72	65	56	61	58	43	48	47	47
K-6	482	454	432	419	402	390	391	389	
PK	0 Attending								
TK	0 Attending (14 Residing TK)								
SpEd	34 Attending								
OD	5 Attending								

Attendance Area Running Springs ES Projection Date 10/2/2019									
Actual	Projected Resident Students								
2019	2020	2021	2022	2023	2024	2025	2026		
K	88	88	77	80	77	81	79	79	79
1	73	97	97	85	88	85	89	86	86
2	95	74	98	98	85	89	86	90	90
3	86	98	76	101	101	88	91	88	88
4	103	90	103	80	106	106	92	96	96
5	80	105	92	105	81	108	108	94	94
6	95	78	102	89	102	79	105	105	105
K-6	620	630	644	637	640	635	649	638	
PK	0 Attending								
TK	31 Attending (34 Residing TK)								
SpEd	21 Attending								
OD	12 Attending								

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

February 27, 2020



Appendix B - Page 8

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District SY 2019/2020

Elementary School Attendance Area Projections (Continued)

Attendance Area Serrano ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	46	47	43	44	46	45	44	45
1	49	51	52	47	48	51	49	49
2	57	46	48	49	44	45	48	46
3	51	56	45	47	48	43	44	47
4	73	51	55	45	46	47	43	44
5	46	70	49	53	43	44	45	41
6	48	52	79	54	60	48	50	51
K-6	370	372	369	338	334	323	323	322
PK	0 Attending							
TK	0 Attending (7 Residing TK)							
SpEd	0 Attending							
OD	17 Attending							

Attendance Area Sycamore ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	58	57	56	52	54	54	54	53
1	60	53	53	51	48	48	50	49
2	57	58	52	51	50	47	47	49
3	66	55	56	50	49	48	45	45
4	54	63	53	54	48	47	46	43
5	63	52	61	50	52	46	45	44
6	61	63	52	61	50	52	46	45
K-6	419	402	381	369	349	341	332	328
PK	0 Attending							
TK	3 Attending (18 Residing TK)							
SpEd	3 Attending							
OD	25 Attending							

Attendance Area Taft ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	82	84	76	78	82	80	79	80
1	91	80	82	74	76	80	78	77
2	106	90	80	81	74	76	80	78
3	81	107	91	80	82	74	76	80
4	75	80	106	90	80	81	74	76
5	98	80	85	112	96	84	86	78
6	102	98	80	85	112	96	84	86
K-6	635	619	599	601	602	572	558	555
PK	0 Attending							
TK	28 Attending (29 Residing TK)							
SpEd	0 Attending							
OD	11 Attending							

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

February 27, 2020



Appendix B - Page 9

Orange Unified School District SY 2019/2020

Elementary School Attendance Area Projections (Continued)

Attendance Area Villa Park ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	56	57	52	53	56	55	54	54
1	54	61	62	56	57	61	59	58
2	57	56	62	64	58	59	62	61
3	60	58	56	63	64	58	60	63
4	55	62	59	58	65	66	60	62
5	71	56	63	61	59	66	68	61
6	68	71	56	63	61	59	66	68
K-6	421	420	411	417	420	424	429	427
PK	0 Attending							
TK	0 Attending (12 Residing TK)							
SpEd	0 Attending							
OD	7 Attending							

Attendance Area West Orange ES Projection Date 10/2/2019								
Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	65	64	63	59	59	61	60	60
1	59	63	62	61	57	57	59	58
2	83	56	60	59	58	54	54	56
3	56	83	56	60	59	58	54	54
4	71	54	80	54	58	57	55	52
5	60	72	54	81	54	58	57	56
K-5	394	392	375	373	344	344	340	336
PK	0 Attending							
TK	30 Attending (28 Residing TK)							
SpEd	0 Attending							
OD	27 Attending							

The above projections do include the K-6 students that are attending McPherson Magnet School. See the Elementary School (K-6) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Transitional Kindergarten (TK), Special Education (SpEd), Out-of-District (OD) and Pre-Kindergarten (PK) students. The TK, SpEd, OD and PK students that attended the school in Fall 2019 is listed below the "Actual 2019" column for each school. Please see the Elementary School (K-6) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 18).

February 27, 2020



Appendix B - Page 10

APPENDIX DEMOGRAPHICS REPORT

Orange Unified School District Facilities Master Plan



Orange Unified School District

SY 2019/2020

Middle School Attendance Area Projections

Attendance Area Cerro Villa MS Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	398	409	371	380	401	390	385	389
1	380	409	420	381	389	410	400	395
2	421	384	414	424	383	392	413	402
3	381	424	387	414	424	383	392	413
4	410	384	427	388	416	425	385	393
5	395	413	389	432	392	419	429	388
6	439	404	427	398	442	401	428	438
7	400	450	415	436	409	454	412	439
8	477	399	449	414	433	406	453	409
7-8	877	849	864	850	842	860	864	848
SpEd	19	Attending						
OD	28	Attending						

Attendance Area El Rancho MS Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	409	410	358	371	360	375	366	368
1	378	429	430	375	390	377	393	383
2	422	384	436	437	382	396	383	399
3	402	434	395	449	450	393	407	394
4	426	414	446	406	462	463	404	419
5	414	432	420	454	414	470	471	411
6	471	421	440	427	461	421	477	478
7	466	494	443	464	449	484	444	502
8	520	473	502	450	473	457	492	451
7-8	986	967	945	914	923	940	935	953
SpEd	16	Attending						
OD	61	Attending						

Attendance Area Portola MS Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	330	330	331	316	316	331	325	322
1	340	319	326	326	306	306	316	310
2	369	331	318	323	318	299	294	304
3	313	363	333	318	319	314	291	286
4	340	304	360	328	311	311	302	279
5	344	337	309	362	326	309	304	295
6	356	330	330	303	347	313	292	288
7	342	346	324	322	293	338	301	282
8	333	344	352	328	326	295	340	302
6-8	1,031	1,020	1,007	953	966	946	933	872
SpEd	21	Attending						
OD	36	Attending						

The above projections due include the 7-8 students that are attending McPherson Magnet School. See the Middle School (7-8) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Special Education (SpEd) and Out-of-District (OD). The SpEd and OD students that attended the school in Fall 2019 are listed below the "Actual 2019" column for each school. Please see the Middle School (7-8) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 19).

February 27, 2020



Appendix B – Page 11

Orange Unified School District

SY 2019/2020

Middle School Attendance Area Projections (Continued)

Attendance Area Santiago MS Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	327	322	309	310	305	311	309	309
1	316	316	311	298	299	295	301	298
2	352	306	306	301	289	290	286	291
3	376	340	296	295	290	278	279	275
4	366	372	335	292	291	287	275	276
5	373	359	364	328	287	286	281	270
6	397	368	353	360	324	284	281	277
7	408	384	357	341	351	313	275	271
8	420	406	382	355	338	349	312	274
7-8	828	790	739	696	688	662	588	545
SpEd	38	Attending						
OD	50	Attending						

Attendance Area Yorba MS Projection Date 10/2/2019

Actual	Projected Resident Students							
2019	2020	2021	2022	2023	2024	2025	2026	
K	274	271	264	247	247	257	254	251
1	297	271	268	261	244	244	254	251
2	277	291	265	262	255	238	238	248
3	325	268	280	256	253	247	231	231
4	309	321	264	277	253	250	243	228
5	302	300	312	257	269	246	243	236
6	339	293	291	303	249	261	239	236
7	299	337	291	289	302	247	260	238
8	297	292	328	285	283	294	242	253
6-8	935	921	910	877	833	802	740	727
SpEd	35	Attending						
OD	10	Attending						

The above projections due include the 7-8 students that are attending McPherson Magnet School. See the Middle School (7-8) Attendance Matrix for a breakdown of how many McPherson students live within each attendance area.

The above projections exclude all Special Education (SpEd) and Out-of-District (OD). The SpEd and OD students that attended the school in Fall 2019 are listed below the "Actual 2019" column for each school. Please see the Middle School (7-8) Attendance Matrix for a breakdown of the "Open Enrollment" patterns for each school (see page 19).

February 27, 2020



Appendix B – Page 12