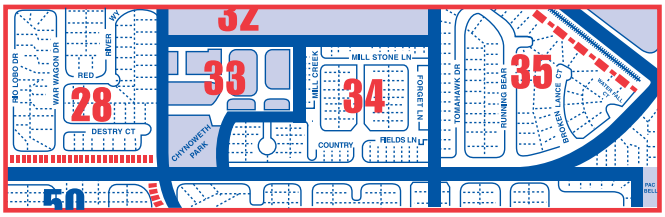
ENROLLMENT PROJECTION CONSULTANTS

Providing School Districts with Accurate Enrollment Forecasts by Location

Area 32
Older Mobile Home Park
450 units, 90 K-8 students, 0.20 SGR

Area 28
Recent Upper-Income Det. Homes
218 units, 85 K-8 students, 0.39 SGR

Area 33
Recent Upscale Townhouses
82 units, 9 K-8 students, 0.11 SGR



Area 34
Recent Middle-Income Det. Homes
94 units, 33 K-8 students, 0.35 SGR

Area 35
Older Middle-income Det. Homes
89 units, 57 K-8 students, 0.64 SGR

Elementary and Middle School
Attendance Boundaries

Superintendent and Board of Trustees
Fremont Union High School District
589 West Fremont Avenue
Sunnyvale, CA 94087

October 28, 2022

- DRAFT #2 FOR DISTRICT STAFF REVIEW ONLY -

Dear Superintendent and Board Members:

This is the concluding documentation to the latest enrollment forecast update. We begin with the summary below and then provide some background information. Subsequent sections follow the order of the tables, starting with the updated projections in Tables 1 and 2 and then the underlying factors to those numbers in Tables 3 to 7. The appendices provide more detail for those who want to delve further into the data.

Summary of Key Findings and Projections

There are two main factors for why the Fremont Union High School District (henceforth "FUHSD" or "district") enrollment fell so significantly since 2019 and should decline even more severely in the next five years. One of these reasons is pandemic related. School districts throughout the region, with only a few exceptions, had major percentage enrollment losses since the pandemic started. This includes the FUHSD and its Cupertino Union and Sunnyvale elementary "feeder" districts ("CUSD" and "SSD"). While the rates of decline became much lower this year for many districts, as the worst of the pandemic's impacts eased, we know of only one district that had a significant enrollment rebound. Otherwise there is no indication that much of the recent enrollment reductions will be recovered in the future. The second main factor, which is of specific relevance to the FUHSD, is that while its enrollment was staying in the vicinity of 11,000 from 2016 to 2019, the total in the two feeder districts already was in significant decline. The total from those districts dropped by almost 2,000 students (averaging over 200 per grade) in just those three years. These smaller by-grade amounts started graduating into ninth grade in the FUHSD in 2020. The combined SSD and CUSD totals now in each of the fourth through eighth grades, however, are even lower, partly due to the pandemic, and those classes will graduate into the FUHSD in the next five years. The combined total now in eighth grade, for example, is 2,052 students. A year ago it was 279 students higher, at 2,331, and it was above 2,500 in every year from 2003 to 2020.

The projected total FUHSD enrollment falls by more than 2,000 students in the next five years, with the largest single-year reduction for the pending school year. The decline forecast from the current enrollment to that on October 1, 2023, is by 656 students, as that exceptionally small class now in eighth grade graduates into ninth grade and the last of the FUHSD's classes of over 2,600 students will have graduated out of twelfth. The cumulative reduction forecast for the FUHSD in the next two years is by over 1,100 students. With a projected decline by nearly another 1,000 students in the following three years, the potential total in 2027 is for just 7,883 students.[1] This compares to a current enrollment of 9,922 students and over 11,000 students five years ago.

[1] Whenever just a year is stated, such as 2027, the reference is for, or in the year or years to, October 1 of that year. These FUHSD figures cover all students in the ninth through twelfth grades that are maintained in the district's electronic records, including "SDC" (Special Education) and "NPS" (Non-Public-School special needs) students.

These declines will not be evenly balanced between the five high school attendance areas, but there will be significant reductions for each. The "resident" student changes forecast for next year are between a relatively small decline by 49 for Lynbrook and the loss of 211 for Cupertino High.[2] The resident Cupertino, Fremont and Homestead totals could be down by around 300 students each to 2024. The Lynbrook and Monta Vista areas are forecast to have 108 and 165 fewer students then. The projected changes to 2027 range from being down by 300-to-350 for Monta Vista, Lynbrook and Fremont to even larger reductions by 476 for Cupertino and 622 for Homestead.

In terms of the resultant number of resident students, however, the lowest total, by far, is in the Lynbrook area, where a projected decline by 338 leaves only 1,053 FUHSD students in that region in 2027. Since Cupertino High is forecast to have fewer than 1,700 students then, having Lynbrook continue to enroll significant student numbers from the Cupertino area could result in each of those schools having total enrollments below 1,500. The Monta Vista resident and enrollment totals also could be below 1,500 in 2027.

Background Information

We have been providing neighborhood-specific forecast studies for the FUHSD since 2005. My firm specializes in these in-depth studies, where each key component of the recent trends is determined, analyzed, compared to the knowledge gained from our experience in over 400 previous studies, and then projected. To do this, we drove literally every public street in our first study of the FUHSD region to learn the community and divide it into suitable planning areas. Each of those areas represents a single dominant housing type wherever feasible, including by subjective price levels and average home and parcel sizes. We have found that even subtle differences in residential type and value can generate divergent student trends in some districts.

District-Wide Projected Enrollments

The total projected FUHSD enrollment declines significantly in each of the next five years, but with the largest reductions in 2023 and 2024. The decline forecast for next year (i.e., in the twelve months to October 1, 2023) is by 656 students, as is shown in the far right column of the bold box in Table 1 on page 3. The main reasons for such a significant expected decline are (1) an extremely small class now in eighth in the feeder districts and (2) the pending graduation of a large current twelfth grade class. The latter is the last FUHSD class of more than 2,600 students, at 2,664, while the class now in eighth, for next year's ninth graders, has just 2,052 students. By comparison, a year ago there were 2,331 CUSD and SSD students in eighth grade, or 279 more than now, and in the preceding years there were over 2,500. The current twelfth grade class of 2,664 evolved from a class of 2,736 eighth graders four years ago. There is a difference of nearly 700 fewer students in eighth grade this year than in 2018. Next year's eighth grade class will be almost as low, with a forecast of just 2,085 students that leads to another small projected ninth grade class in 2024. Combining that with the graduation of another large twelfth grade class results in a projected decline by another 446 FUHSD students, to 1,102 fewer than at present.

Although even smaller classes are forecast to be graduating into ninth grade in subsequent years, the total FUHSD enrollment falls by lower amounts in those years mainly due to smaller graduating twelfth grade classes. The cumulative projected decline, nonetheless, reaches 2,039 students in five years. That is a reduction by more than 20% from the current figure.

We should note that this significant recent and even greater pending FUHSD enrollment decline comes partly from the pandemic's impacts (which are discussed later), but also from falling total enrollments in the combined SSD and CUSD since well before the pandemic started. Large single-grade amounts in a "bubble" that graduated out of those districts and into the FUHSD caused both the FUHSD enrollment to stay high and the CUSD-SSD

[2] "Resident" throughout this report means physical resident, not legal resident, and refers to the total number of district-enrolled students in the relevant grades in each attendance area (their "home school"), regardless of the schools being attended.

Table 1: Actual and Projected Total October Enrollments, 2016 to 2027

(with grade highlighting: green = 2,600+, brown = 2,500s, orange = 2,400s, yellow = 2,200s and 2,300s, and pink <2,200; note that large reductions occur as classes graduate from 5th to 8th)

	Actual and Projected Enrollments in SSD and CUSD							Actual and Projected FUHSD Enrollments				
Early Oct. of	Total in K-3	by Grade 4	5	6	7	8	Total in 4-8	by Grade 9	10	11	12	Total in 9-12
2016*	10,580	2,804	2,806	2,859	2,827	2,840	**14,136**	2,775	2,715	2,755	2,602	**10,847**
2017*	10,418	2,786	2,712	2,710	2,787	2,757	**13,752**	2,888	2,725	2,691	2,738	**11,042**
2018*	10,326	2,511	2,765	2,594	2,651	2,736	**13,257**	2,737	2,848	2,679	2,680	**10,944**
2019*	9,978	2,573	2,422	2,589	2,573	2,596	**12,753**	2,744	2,739	2,821	2,674	**10,978**
Net Actual Change, October 2016 to October 2019							**-1,383**	**-31**	**24**	**66**	**72**	**131**
2020*	9,143	2,459	2,436	2,218	2,476	2,507	**12,096**	2,550	2,683	2,678	2,802	**10,713**
2021*	8,213	2,210	2,278	2,172	2,066	2,331	**11,057**	2,420	2,489	2,620	2,676	**10,205**
2022*	7,843	2,127	2,142	2,134	2,140	2,052	**10,595**	2,327	2,430	2,501	2,664	**9,922**
Net Actual Change, October 2019 to October 2022							**-2,158**	**-417**	**-309**	**-320**	**-10**	**-1,056**
Average Net Per-Grade Change Since October 2016							**-708**					**-231**
2023	7,585	2,003	2,051	2,010	2,072	2,085	**10,221**	2,049	2,309	2,399	2,509	**9,266**
2024	7,441	1,867	1,937	1,945	1,951	2,030	**9,730**	2,084	2,041	2,284	2,411	**8,820**
2025	7,333	1,863	1,804	1,820	1,895	1,901	**9,283**	2,037	2,074	2,023	2,295	**8,429**
2026	7,382	1,734	1,814	1,708	1,780	1,863	**8,899**	1,906	2,034	2,060	2,044	**8,044**
2027	7,363	1,803	1,692	1,723	1,671	1,749	**8,638**	1,879	1,902	2,022	2,080	**7,883**
Total Projected Change in One Year to October 2023							**-374**					**-656**
Total Projected Change in Two Years to October 2024							**-865**					**-1,102**
Total Projected Change in Three Years to October 2025							**-1,312**					**-1,493**
Total Projected Change in Four Years to October 2026							**-1,696**					**-1,878**
Total Projected Change in Five Years to October 2027							**-1,957**					**-2,039**
Real Potential Lower FUHSD Total in 2023 (essentially -1.15%)												*9,160*
Real Potential Higher FUHSD Total in 2023 (essentially +1.15%)												*9,370*
Real Potential Lower FUHSD Total in 2027 (essentially -4.5%)												*7,550*
Real Potential Higher FUHSD Total in 2027 (essentially +4.5%)												*8,250*
Projected FUHSD students in new housing added Oct. 2022 to Oct. 2027								49	49	50	51	199

* These are actual enrollments in student files provided by the relevant districts, including all TK-12 SDC (special education) students and NPS (non public school) students in the FUHSD. SSD and CUSD NPS students are excluded.

Notes: (1) There is an unusually wide potential range of deviation that increases over time from any forecast numbers due to uncertainty about ongoing impacts of the pandemic. (2) The "real potential" ranges cover essentially 80% probabilities; there are still approximately 10% possibilities for each of even lower and higher numbers than totals within these ranges.

total to drop. The CUSD also had declining numbers in the lower grades, which supports the expectation that the soaring housing prices were making it too difficult for many young families to move into that district. The result was that while the FUHSD total remained close to its peak of around 11,000 students from 2016 to 2019, the combined CUSD-SSD total fell by nearly 1,400 students in the fourth through eighth grades as that "bubble" graduated into ninth. (There also was a decline by over 600 students in kindergarten through third grade.) Those lower amounts in the upper elementary grades started graduating into the FUHSD after 2019.

Compounding that "bubble" moving through the grades in recent years are the huge enrollment losses during the pandemic. Enrollment in the fourth through eighth grades in the feeder districts is down by over 2,100 students (an average of over 400 per grade) and has been reduced by more than 1,000 students in the FUHSD (averaging just over 250 per grade) since 2019. The severity of these losses is clearly pandemic related. There still, however, are remnants of the last part of that bubble in the FUHSD grades, with 2,501 current eleventh graders and 2,664 twelfth graders. All of the combined elementary grade totals, by contrast, are below 2,200, including just 2,052 in eighth grade. By comparison, no eighth grade total from the two feeder districts was below 2,500 from 2003 to 2020. Those much lower elementary totals will graduate into the FUHSD in the next five years.

This focusing on by-grade totals is an over-simplification of all of the underlying trend findings and expectations by housing type and value levels, but it does provide a quick explanation for why the projected decline is so severe.

Projected Resident Student Populations by Attendance Areas

This forecast is again based on analyses of where the students live (the resident population) rather than the schools they happen to attend (the attending enrollment). Resident populations differ from enrollments mainly because of (1) known intra-district enrollment (across FUHSD attendance areas) and (2) known incoming inter-district enrollment (from addresses that are outside the FUHSD). By coding all of the student addresses to planning areas that represent various housing types and locations, we have been able to identify and evaluate how the student population is evolving in each situation. We flip back-and-forth between these "resident" and "enrollment" amounts in the text below and it is important to remember the distinction between these two types.

Understanding the Data in Table 2

Table 2 on page 5 contains two sets of data. The figures on the left (under *"Actual Resident Students and Enrollment part"*) show both (1) the amounts by which the resident school totals changed in the last year and (2) how the current enrollment at each school differs from the resident population. The Fremont region, for example, has 2,156 FUHSD-enrolled students, which is 35 fewer than a year ago. That school's enrollment, however, is 2,148, which is eight below the resident total. This net difference is shown by the "-8" in the top row of the "Attending Adjust" column in the table. The second set of data, on the right side of Table 2 (under *"Projected Resident Students part"*), has the projected resident amounts. These are not projected enrollments. They do indicate, however, the extent to which the current areas might continue to be suitable without any revisions. In Lynbrook's case, the projected resident total falls by a cumulative 338 in 2027, as is shown in a column on the right side of the table. The resultant Lynbrook total is just 1,053 resident students.

Key Findings in the Five High School Attendance Areas

To repeat from our last report: The options that the FUHSD added a few years ago for (1) some students in the Cupertino High region and (2) all non-inter-district students graduating from Miller Middle School to enroll in Lynbrook High appear to be having the desired result.[3] While Lynbrook High only has 1,391 current resident FUHSD students, that school's enrollment is receiving a net of 329 students from outside of its attendance area.

[3] The CUSD's Miller Middle School has the same attendance area as Lynbrook High, but enrolls some students from elsewhere in the CUSD mainly due to special programs at Miler such as the "CLIP" dual language program.

Table 2: Actual Resident and Attendance Figures and Projected Resident Students by Attendance Area

	Actual Resident Students and Enrollment part				*Projected Resident Students part*					
	Actual Res. Diff. from Oct. 2021*	Actual October 2022*			Projected Resident Students (including SDC and NPS) in Oct. of			Projected Resident Student Population Change to October of		
School		Resident Students	Attending Adjust**	Attending Enrollment	2023	2024	2027	2023	2024	2027
Fremont	**-35**	**2,156**	**-8**	2,148	2,043	1,875	**1,807**	**-113**	**-281**	**-349**
Homestead	**-14**	**2,303**	**2**	2,305	2,156	2,029	**1,681**	**-147**	**-274**	**-622**
Monta Vista	**-79**	**1,785**	**-42**	1,743	1,638	1,620	**1,477**	**-147**	**-165**	**-308**
Cupertino	**-98**	**2,149**	**-168**	1,981	1,938	1,849	**1,673**	**-211**	**-300**	**-476**
Lynbrook	**-32**	**1,391**	**329**	1,720	1,342	1,283	**1,053**	**-49**	**-108**	**-338**
Community	NA	NA	7	7	NA	NA	NA			
NPS	NA	NA	18	18	NA	NA	NA			
Total***	-258	9,784	138	9,922	9,117	8,656	7,691	-667	-1,128	-2,093

* Actual student counts for grades 9-12, including SDC and NPS, are based on student records provided to EPC by FUHSD.

** Net attending adjustments include (1) intra-district attendance, (2) incoming inter-district enrollment and (3) students listed at unlocatable home addresses.

*** The district "resident" totals differ from totals in Table 1 because they exclude students at addresses either outside the FUHSD (incoming inter-district students, or IDA) or that could not be located. There currently are 135 IDA students and three at unlocatable addresses. That IDA total fell by 25 in 2022 but is forecast to add 54 (net) to 2027.

Notes: (1) Students enrolled in any special programs are included in the above attendance numbers for the five regular high schools. (2) Appendix A provides actual October 2022 resident and attending amounts by grade. (3) Projection numbers include fractional amounts, so figures shown here may not sum exactly to the totals in other tables.

Continuing to have this many added students will be insufficient to keep Lynbrook's enrollment above the district-defined necessary minimum (to maintain a full program) of 1,700. Having Lynbrook take even the current number of students from the Cupertino area, let alone a larger amount, through 2027 could result in Cupertino also having too few enrolled students. With Cupertino projected to have 476 less resident students, these two attendance areas combined could have only 2,726 students in 2027. That is an average of fewer than 1,400 students each.

Also forecast to go well below that 1,700 minimum in 2027 (and in all other forecast years), both for the resident total and for what the total enrollment could be with the current net attending adjustment, is Monta Vista High. That attendance area is forecast to lose 308 students over the next five years, to a total of 1,477. Extrapolation of the current student distribution in the fourth-through-twelfth grades in that region (as in the other four high school regions) is the main cause of this severe projected reduction.

The Homestead and Fremont regions, despite also having large projected student losses to 2027, nonetheless may be able to maintain resident and enrollment totals close to or above 1,700. Homestead's projected resident count declines by 622 to 1,681 in 2027. Fremont's total falls by 349 to 1,807 in five years.

Underlying Factors to the Projections: Recent Student Population Evolution by High School Region

The five high school attendance areas have had notable differences in how their student populations have evolved. The Fremont High region, until the last two years (in the pandemic), has long had a steep distributional slant toward the lower grades, with significant reductions as each class graduated upward through the grades. This can be seen in the boxed numbers in the top section of Table 3 on page 7. The 840 resident kindergartners in 2016 evolved over the next three years to 771 in third grade, for a 69-student reduction that was prior to the pandemic. That class then fell from 771 in third grade in 2019 to just 514 now in sixth grade, for an extreme 28% three-year decline by 267 students. While the pandemic factored significantly into the latter, it was not the only reason. This attendance area has always had significant declines as classes graduate upward, especially from fifth to sixth. There also has been a further decline as each class in that region graduated from the sixth to ninth grades. The other FUHSD attendance areas, by contrast, tended, at least until the pandemic started, to either maintain or increase the size of each individual class as it graduated upward through the elementary grades and into ninth grade. Only the Homestead area, however, has continued to add students in net every year as classes have graduated from the eighth to ninth grades during the pandemic.

The much greater concerns than these advancement rate differences are the low student amounts now in the sixth through eighth grades in each FUHSD attendance area. Each of the Fremont, Homestead and Cupertino regions have not had combined SSD-and-CUSD-enrolled eighth grade totals below 492 in a long time. Until recently those totals had been in the upper 500s and lower 600s. Now the Fremont area has 475, Homestead's region has just 426 and Cupertino's has only 412. Cupertino for next year will have lost the large current twelfth grade class of 593 students and added that class from eighth grade that has just 412 students. Homestead has almost as great of a difference between the resident totals in those two grades. The Monta Vista region has an even lower total of 378 now in eighth grade, which compares to 452 a year ago and 553 four years ago.

Lynbrook has the only area with a minimal difference between the current resident eighth grade (327) and twelfth grade (356) totals, but it does have a much lower total in sixth grade (250) and an even smaller figure in fifth (246). Those exceptionally small classes will be enrolled in the FUHSD just three and four years from now.

Underlying Factors to the Projections: Comparison of 2022 TK-8 Enrollment Declines in Local Districts

Both the CUSD and SSD had much smaller percentage enrollment declines in 2022 than in the annual average from 2019 to 2021, which is such a significant change that we wanted to see how this compared to the TK-8 differences for our other local clients. The answer is that among the 15 districts we are closely following the TK-8 trends for in Santa Clara and San Mateo Counties (the core Silicon Valley area), all but one also had either much slower rates of decline or a rebound in 2022. Of those that still had declines, most were by less than one-half of 1% this year, including the SSD (see Table 4 on page 8). So while there are two notable exceptions at the parameters for what we had projected (with those deviations being Berryessa with an increased rate of decline and San Carlos for a significant rebound), our expectation for either much less of a decline or a nearly stable TK-8 total was correct for our clients this year. Underlying that outlook was the assumption that the average net grade-to-grade advancement rates (explained on page 9) should be rebounding and then returning to their previous vicinities; we are again making this assumption in most situations.

The FUHSD's latest total enrollment shifts, as already discussed, occurred more due to size differences between the graduating twelfth grade classes and incoming ninth grade classes, but these advancement rate assumptions generally apply to the FUHSD students as well. With the pandemic's impacts easing, a return to the average advancement rate vicinities from 2016-to-2019 is considered more likely than those that had major differences during the worst of the pandemic.

What these assumptions mean for the CUSD, SSD and FUHSD is that the rates of student declines as each class graduates upward should not be as extreme as in 2019 to 2021, but there still will be declining total enrollments.

Table 3: K-12 Public School Resident Student Trends in Each Current High School Attendance Area

High School Region	Oct. of	Number of Students Residing in High School Region and Enrolled in SSD, CUSD and FUHSD*													
		K	1	2	3	4	5	6	7	8	9	10	11	12	K-12
Fremont	2016	840	801	737	788	736	742	664	582	599	541	504	516	486	8,536
	2017	822	850	787	724	752	691	677	611	552	588	521	498	519	8,592
	2018	779	836	826	740	684	721	619	634	573	520	570	514	495	8,511
	2019	808	725	812	771	689	641	630	593	610	566	533	586	512	8,476
	2020	715	744	676	755	716	638	549	577	569	585	554	515	579	8,172
	2021	639	683	662	598	650	609	489	493	517	527	590	541	533	7,531
	2022	601	619	659	634	576	614	514	463	475	466	525	600	565	7,311
	Net Change to 2022 Since Highest K-12 Total Achieved in 2016 or Later														**-1,281**
Homestead	2016	549	578	555	634	551	608	590	597	575	620	604	611	553	7,625
	2017	562	551	576	541	639	554	605	596	598	619	621	598	600	7,660
	2018	505	566	557	570	549	635	524	594	590	623	610	601	598	7,522
	2019	521	522	545	541	548	503	558	533	572	615	627	600	594	7,279
	2020	368	509	491	500	512	501	441	538	517	581	600	620	578	6,756
	2021	386	367	470	436	455	462	449	419	521	556	567	583	611	6,282
	2022	378	409	383	463	425	442	447	445	426	576	572	570	585	6,121
	Net Change to 2022 Since Highest K-12 Total Achieved in 2016 or Later														**-1,539**
Cupertino	2016	561	596	572	595	657	576	629	640	594	605	622	565	535	7,747
	2017	559	588	612	558	573	619	559	626	620	614	597	618	541	7,684
	2018	554	548	576	585	526	556	589	550	627	638	614	588	600	7,551
	2019	445	563	545	559	569	514	526	569	543	630	634	588	572	7,257
	2020	420	459	533	515	510	548	474	510	549	541	608	612	580	6,859
	2021	404	386	404	485	470	493	487	412	492	543	519	597	588	6,280
	2022	349	394	378	394	450	440	461	464	412	498	531	527	593	5,891
	Net Change to 2022 Since Highest K-12 Total Achieved in 2016 or Later														**-1,856**
Monta Vista	2016	367	424	429	483	528	512	588	606	644	605	596	605	535	6,922
	2017	354	391	457	441	487	507	486	562	581	618	578	585	592	6,639
	2018	348	375	441	460	432	489	516	484	553	541	606	575	570	6,390
	2019	371	388	378	451	456	427	498	523	464	527	524	596	567	6,170
	2020	282	379	393	373	443	429	402	482	497	447	513	514	578	5,732
	2021	302	297	358	384	359	436	408	390	452	440	426	503	495	5,250
	2022	271	343	321	337	384	355	420	416	378	424	440	420	501	5,010
	Net Change to 2022 Since Highest K-12 Total Achieved in 2016 or Later														**-1,912**
Lynbrook	2016	177	197	267	298	299	349	363	377	406	391	376	441	431	4,372
	2017	184	207	231	284	309	303	361	363	378	434	389	373	428	4,244
	2018	219	214	223	257	289	324	320	364	361	401	435	385	365	4,157
	2019	172	244	236	224	277	301	345	323	375	375	402	434	377	4,085
	2020	172	189	258	246	226	281	318	331	332	372	377	393	431	3,926
	2021	171	192	201	246	238	229	305	318	317	325	366	365	367	3,640
	2022	166	173	207	209	258	246	250	313	327	338	333	364	356	3,540
	Net Change to 2022 Since Highest K-12 Total Achieved in 2016 or Later														**-832**

* Figures include K-12 SDC and a nominal number of NPS students. TK and Adult Education students are excluded.

Notes: (1) Figures exclude intra- and inter-district enrollments and a small number of students at residentially unlocatable addresses (e.g., PO boxes). (2) Color codes for by-grade student totals are: pink = 800s, rust = 700s, orange = 600s, yellow = 500s, green = 400s, blue = 300s, lavender = 200s, brown = 100s, grey = highest recent K-12 total for each high school region.

Table 4: Comparison of Total TK-8 Non-Independent-Charter-School Enrollment Changes in EPC Client School Districts in Santa Clara and San Mateo Counties

	TK-8 Totals in Files Provided to EPC (Sorted By Negative-to-Positive % Change in 2022)					Average Annual Fall % Change		
School District	Fall 2018	Fall 2019	Fall 2020	Fall 2021	Fall 2022	2018 to 2019	2019 to 2021	2021 to 2022
Berryessa	6,961	6,857	6,638	6,266	5,932	-1.5%	-4.3%	-5.3%
Mount Pleasant	2,247	2,107	1,926	1,708	1,628	-6.2%	-9.5%	-4.7%
Cupertino*	17,353	16,709	15,652	14,078	13,469	-3.7%	-7.9%	-4.3%
Cabrillo (Half Moon Bay)	2,103	2,024	1,836	1,717	1,660	-3.8%	-7.6%	-3.3%
San Mateo - Foster City	11,719	11,562	10,967	10,401	10,067	-1.3%	-5.0%	-3.2%
Oak Grove	9,875	9,751	9,363	8,856	8,692	-1.3%	-4.6%	-1.9%
Sunnyvale	6,670	6,439	5,957	5,482	5,456	-3.5%	-7.4%	-0.5%
Palo Alto*	7,817	7,541	6,685	6,549	6,518	-3.5%	-6.6%	-0.5%
Menlo Park	2,929	2,920	2,781	2,710	2,699	-0.3%	-3.6%	-0.4%
Belmont - Redwood Shores	4,298	4,298	4,133	3,946	3,941	0.0%	-4.1%	-0.1%
Milpitas	6,874	7,067	7,119	6,854	6,847	2.8%	-1.5%	-0.1%
Santa Clara	10,966	10,811	10,329	9,516	9,513	-1.4%	-6.0%	0.0%
Campbell	7,253	6,969	6,621	6,227	6,247	-3.9%	-5.3%	0.3%
Orchard	846	853	815	768	783	0.8%	-5.0%	2.0%
San Carlos	3,060	3,016	2,871	2,628	2,694	-1.4%	-6.4%	2.5%

* Cupertino and Palo Alto are not clients but their figures were obtained for our studies. Some Palo Alto totals are from CDE.
Note: Fall 2022 totals would be slightly lower if not for the expansion of TK eligibility. Totals exclude NPS students.

Recent Trends by Housing Situation

All of the trend findings in "existing housing" have been recalculated for this study, including by several value classifications of single-family-detached residences ("SFD") and attached units ("ATT", covering apartments, condos, townhouses and plexes). We are using the cutoff of October 1, 2015, for what qualifies as "existing housing" (i.e., in areas with virtually no net added non-ADU residences after that date). "New housing" covers developments completed since then and can include a few older units in the same EPC-created planning areas. These figures have been compiled separately by the SSD and CUSD regions because of trend differences between similar dwellings in those respective locations. Key information on the main housing trends is summarized in Table 5 on page 10, with additional data shown in Appendix B. This is all based on aggregates of the relevant student counts in the nearly 500 planning areas that we are analyzing the data by for your district.

Advancement Rates from Existing Housing

Grade-to-grade advancement rates are calculations of the net change in the number of students in each grade as they graduate into the next grade in the following school year. These figures, which are sometimes called cohort survival rates, are most applicable to an accurate forecast when they are determined specifically for students from existing dwellings. For example, if there had been a total of 100 students in eighth grade last year and 105 in ninth grade this year from the same group of homes, that would be a +5% (1.05) net advancement rate gain. Such rates usually are averaged over the last several years within each single-grade advancement to avoid giving too much influence to nuances that may have occurred in any one year.

For this study, however, there is a reason to look at how far these advancement rates dropped in the worst years of the pandemic compared to (1) what occurred in 2022 and (2) the averages over the years just before the pandemic. Such figures can indicate how dramatically the pandemic altered the student trends through the grades and whether there has been any improvement this year. These grade-to-grade rates, by different housing types and relative value levels, are provided in Appendix B, with the "cumulative rates" from the first to eighth grades in eight aggregate categories shown in Table 5 on page 10.[4]

Understanding the Data in Table 5 and the related Appendix B

Discussing many of the individual grade-to-grade rates can be an overload of data without providing clarity, so we prefer to summarize the results via what we call cumulative rates. Even those cumulative rates may seem to some readers to be obscure figures of limited importance, but these instead are a critical part of the forecast.

The cumulative rates shown on the left side of Table 5 are the result of a compounding of the individual grade-to-grade advancement rates from the first to eighth grades averaged over each specified period. These cumulative figures identify the net changes in the student body classes as they graduated upward through the grades. Using the ATT "All Other" (meaning all but "Most Affordable") SSD category in the 2016-to-2019 period as an example, the "0.61" means that 100 students in first grade in any one year would become 61 students seven years later in eighth grade (i.e., a 39% reduction) if these rates continuously occur in the future. From 2019-to-2021, however, the cumulative rate from these units fell to 0.40, for a difference of -0.21, and then rebounded to 0.63 in 2022. That rebound by 0.23 is shown in the table.

Key Findings Related to the Data in Table 5

All of our client districts had major cumulative rate declines from (1) the 2016-to-2019 period to (2) the pandemic-impacted 2019-to-2021 period, with all of our projections for this year having the assumption of rebounds toward the former rates. This expectation was because the pandemic's more severe enrollment impacts, including remote learning and/or mask requirements in the classroom, were ending. We were correct with this assumption for over 80% of the forecasts we made for this year, but there were some statistical "outliers".

It is important to first note how much lower the rates were in the SSD and CUSD in 2019-to-2021 compared to the 2016-to-2019 period. While we rarely consider what happened in only a two-year period of change, to have the majority of these categories' rates drop by more than 20 points between adjacent periods is still unprecedented.[5]

All of these categories, however, had significantly rebounding cumulative rates this year to the vicinity of, or even higher than, the averages from 2016-to-2019. We feel those rates that are even higher than in the past are

[4] We exclude the rates entering first grade from this cumulative calculation because those have often been impacted by students coming out of private kindergarten programs. That factor, while important, is a separate issue from identifying the changes occurring in existing housing through both turnover and pandemic-related issues, which are the main reasons for identifying these cumulative rates.

[5] This is unprecedented compared to pre-2020 rates; many districts had large rate shifts in some categories since then.

Table 5: Summary of Resident Student Grade-to-Grade Advancement Rate Findings in Existing Housing

Neighborhods of Existing Residences*		Students Enrolled in SSD, CUSD and FUHSD		Cumulative Rates from 1st to 8th****			Shift from Prev. to Latest	Average Rate at which the Net Number of Students Advanced from Prior Grade to This Grade in October of Each Year***** 2016 to 2019 top data row 2019 to 2021 middle data row *2021 to 2022 bottom data row*			
Region	Type**	Current Total	Change in 2022***	2016 to 2019	2019 to 2021	2021 to 2022		9th	10th	11th	12th
SSD	SFD - Affordable to Modest	1,627	-44 -2.7%	0.70	0.60	0.68	0.08	1.07 1.02 *1.01*	0.98 1.02 *0.96*	0.99 0.94 *0.95*	0.94 0.99 *1.00*
	SFD - Moderate to Upper Income	1,841	-72 -3.9%	0.81	0.50	0.84	0.34	1.15 1.10 *1.09*	0.99 0.99 *1.04*	1.01 1.02 *1.00*	1.01 0.97 *0.99*
	ATT - Most Affordable	1,158	-9 -0.8%	0.75	0.61	0.98	0.37	0.99 0.96 *1.00*	0.96 1.03 *1.06*	0.96 0.93 *1.03*	1.02 0.99 *1.10*
	ATT - All Other	2,231	15 0.7%	0.61	0.40	0.63	0.23	1.03 1.03 *1.05*	0.95 0.94 *1.06*	0.92 1.02 *1.08*	0.97 1.05 *1.01*
CUSD	SFD - Originally Affordable to Modest	1,373	-66 -4.8%	1.09	0.86	1.11	0.25	1.07 1.05 *1.06*	1.02 0.96 *0.99*	1.02 1.00 *1.01*	0.97 0.99 *0.99*
	SFD - Moderate to Upper Income	10,502	-530 -5.0%	1.14	0.92	1.10	0.18	1.01 0.99 *0.99*	1.01 1.00 *1.01*	1.00 0.99 *0.98*	0.99 0.98 *0.99*
	ATT - Most Affordable	1,249	29 2.3%	0.89	0.55	0.86	0.31	1.00 0.94 *1.12*	0.97 0.90 *1.16*	0.99 0.99 *1.05*	0.96 0.97 *1.14*
	ATT - All Other	6,902	-310 -4.5%	0.65	0.43	0.61	0.18	0.92 0.87 *0.92*	0.95 0.94 *0.95*	0.97 0.93 *1.02*	0.96 0.96 *0.98*

* These are areas with virtually no non-replacement new, non-ADU (accessory dwelling unit) residences since Sept. 2015.

** "SFD" is for single-family detached homes and "ATT" covers attached units, including apartments, condos, townhouses and plexes. Value levels are based on EPC evaluation of the dominant housing situation in each planning area. The totals in these levels may not sum to aggregate SFD and ATT figures shown elsewhere due to a small number of students in mixed-value SFD or ATT areas.

*** The categories with significant student declines had those losses occur primarily in the lower elementary grades.

**** This is the portion of the number of students in any one year in first grade that would be in eighth grade seven years later using the cumulative rates calculated in each three-year period. The "0.68" from "SFD - Affordable to Modest" in the latest period in the SSD region, for instance, means that, on average, there would be 68% as many eighth graders (-32%) in these same homes for every class of first graders from seven years earlier, if this rate continues in the future.

***** For example, the "1.07" entering ninth grade in the top row for "SFD - Affordable to Modest" in the SSD region means the student total rose, during the 2016-to-2019 period, by an average of 7% in graduating from the eighth to ninth grade from the same housing units.

Note: Advancement rates shown are actual calculated rates. These have been modified where warranted in the forecast.

single-year nuances occurring after the steep declines of the two prior years. The 2016-to-2019 averages are still considered to be the best estimations for the future, with fine-tuning where warranted.

The rates entering each high school grade are shown on the right side of Table 5. In the "Affordable to Modest" SFD group in the SSD region, for instance, the 1.07 rate entering ninth grade means that, on average over the three years from 2016 to 2019, a net of 107% of the eighth grade population in one year became ninth graders a year later from the same homes. Those same dwellings, however, had lower advancement rates of 1.02 and 1.01 entering ninth grade since then, so we averaged those with the previous 1.07 rate for the projections.

As in this case, each of these rates, including the underlying grade-to-grade rates for the elementary grades (shown in Appendix B), is then evaluated for the likelihood to continue, by degree, in the forecast. In most situations rates close to the 2016-to-2019 averages were applied.

Projected Impacts of New Housing

New dwellings impact the enrollment through a combination of (1) the number of residences expected in the various housing types, by year and location, and (2) the projected number of students in each of those units. These two components are discussed in the following italicized subsections. For those readers who do not need such a detailed explanation of this new-housing-related data, we recommend looking at Tables 7 and 8 on pages 12 and 14 and then skipping ahead to the Concluding Commentary on page 15.

Average Student Generation Rates (SGRs) from Recently Built Housing

Student generation rates are the average rates at which residences "yield" students, such as one student in every two homes (a 0.50 SGR). Public school SGRs usually are calculated by identifying the number of district-enrolled students in a sufficiently large unit sample from the local area.

Five SGR categories of recently built dwellings were determined warranted for the projections. This includes housing categories that were split into separate SGR categories based on SSD and CUSD subsections. These sampled SGR categories, from developments of at least five units, are (as is shown in Table 6 on page 12):

(1) SSD "Mainly Market-Rate" – mainly market-rate developments, which can include small percentages of BMR units;

(2) SSD "BMR ATT (non-SRO)" – attached complexes with at least 50% of the units originally offered at below-market rates (i.e., affordable to occupants with incomes below a certain level, such as 80% of the median income); this excludes "SRO" (single-room occupancy) projects;

(3) SSD "BMR SRO ATT" – BMR developments that generally are just studios with only limited kitchen facilities and have no more than one parking space per unit;

(4) CUSD "SFD and SFA" – tracts of mostly market-rate, SFD and comparable attached (SFA) homes (i.e., large plex units with attached two-car garages), which can include small percentages of BMR units; and

(5) CUSD "Regular ATT" – attached housing developments, other than SFA, of mainly market-rate units, which can include small percentages of BMR units.

Samples taken in these SGR categories contain only fully occupied developments with none of the units having been moved into before 2016 in "Mainly Market-Rate" homes in the SSD and before 2014 in the other categories. The extra two years in the latter were needed to provide adequate samples. The reason for not having a separate SGR calculation for SFD homes in the SSD is that too few were completed recently for a statistically adequate sample.

Table 6: Student Generation Rates (SGRs) from Recently Built Housing

Elementary District Region	Category of Recently Built Housing* (developments of)	Sampled Housing Units	Actual October 2022 Students Enrolled in the Respective Districts				Current Student Generation Rate (SGR) (rounded)		
			TK-2	3-5	6-8	9-12	TK-8	9-12	TK-12
Sunnyvale (SSD)	Mainly Market-Rate	2,796	75	39	27	53	0.05	0.02	0.07
	BMR ATT (non-SRO)	126	19	22	14	18	0.44	0.14	0.58
	BMR SRO ATT	63	1	0	0	0	0.02	0.00	0.02
Cupertino (CUSD)	SFD and SFA	67	10	6	7	9	0.34	0.13	0.48
	Regular ATT	419	31	28	19	30	0.19	0.07	0.26

* "Mainly Market-Rate" covers all recently completed developments with (1) no units occupied before 2016, aside from "BMR" locations, in the SSD and (2) no units occupied before 2014 in the CUSD, with those two additional years needed for adequate sample size and diversity. Too few SFD (single family detached) homes were built recently in the SSD to provide an adequate separate sample. BMR locations are those with at least 50% of the units originally offered at "below-market rates". SRO means single-room-occupancy locations that have only small studios with minimal kitchen facilities and limited parking. SFA is abbreviation for "single-family attached" units, which we define as modern large, invidually owned townhouses with private outside areas and two-car garages connected to each unit in the CUSD. Regular ATT covers non-SFA and non-mainly-BMR developments of attached units (apartment, condo and traditional townhouse and plex units) in the CUSD.

The latest mainly market-rate developments completed in the SSD, which are almost entirely ATT units, have 141 SSD and 53 FUHSD students in 2,796 residences, for a rounded 0.07 TK-12 SGR (and just 0.02 in grades 9-12; see Table 6 above). This finding is in the vicinity of the SGRs we are identifying from similar dwellings in many other South Bay districts. Two factors contribute to such low SGRs: (1) high housing costs and (2) recent mainly market-rate ATT housing developments being designed primarily at densities more suitable to young high-tech workers, with large percentages of studio and one-bedroom units in complexes that have spas and gyms but are not overly “family friendly”.

Only three BMR locations were completed recently in the SSD (and the FUHSD), of which one is considered SRO. That location currently has a single student in 63 units, after having had two or three (with some in 9-12) in some prior years, so the SGR there always has been minimal, as expected. The two recent BMR Non-SRO complexes, on the other hand, collectively have a 0.58 TK-12 SGR (0.14 in 9-12) from 73 students in 126 units.

The small sample of 67 recent SFD and SFA homes in the CUSD area (in developments of at least five net added homes) currently has 32 TK-12 students, for a 0.48 SGR (0.13 in 9-12). Normally we avoid using such a limited sample to apply to projected units, but with fewer than 100 forecast (again in developments of at least five net added homes), this is an adequate SGR determination.

The 419 sampled Regular ATT units in developments completed since 2013 in the CUSD region have 108 TK-12 students enrolled in the CUSD and FUHSD, for a 0.26 SGR (0.07 in 9-12).

Both of these relatively small CUSD samples have high ratios of units completed more than four years ago because few dwellings have been built in that region since then. Future developments in this area may have significantly different SGRs.

Projected New Housing

A total of 6,100 residences, in developments of at least five net additional units, are forecast during the next five years in the FUHSD (see bottom row of Table 7 on page 14). Although 4,300 of these units are projected in the SSD area, all but 210 of those are in the "Mainly Market-Rate in SSD" group that has only a 0.02 SGR in the high school grades. And 600 of the 1,800 units forecast in the CUSD region are in the BMR SRO ATT category that may have only a 0.01 SGR in the high school grades.

Several of these projected developments are tough "calls" for timing, especially in the context of soaring interest rates potentially impacting their economic feasibilities. The City of Sunnyvale's Moffett Specific Plan allows 20,000 new residences north of Highway 237, but only a small number of those are likely to be occupied in 2027. The forecast includes 300 units there in 2025 and 600 in each of 2026 and 2027. The SGRs expected from those dwellings are so low that whether the actual five-year total becomes 1,000 or 2,500 units will not make a major difference on the FUHSD enrollment. Also having a questionable timeline is "The Rise" development planned on the former Vallco shopping center site. Construction of those 2,402 residences, of which 1,201 will be mainly BMR SRO units, but with a few larger BMR units included, could start in two or three years, but also might be delayed longer. The forecast includes 300 Regular ATT occupations and 300 BMR SRO occupations in each of 2026 and 2027, which may be overly optimistic. Another large development with an uncertain timeline is 500 approved apartments on Stevens Creek Blvd. in the City of San Jose part of the FUHSD. That location currently has office buildings that are still being rented rather than being vacated for demolition. These apartments are now considered unlikely to be completed by 2027. A fourth project that may or may not be built within five years is a possible BMR Non-SRO development on De Anza Blvd. just south of Interstate 280. That site has been bought by the Santa Clara County Housing Authority. This is forecast for 40 units in each of 2026 and 2027, but based on the length of time BMR developments often take between proposal and completion, that may be optimistic.

There are several additional large developments forecast to have occupancies in 2023 through 2027. In the SSD part of the FUHSD, this includes, generally from north to south and west to east:

(1) 135 townhouses on Karlstad Drive in 2024 and 2025,
(2) a development of 30 BMR Non-SRO and 63 market-rate apartments on West Weddell Drive in 2026, but this will be after removing 62 BMR Non-SRO units there in 2025 (i.e., probably no net student gain)
(3) the last 30 townhouses in a development on San Aleso Avenue in 2023,
(4) 180 apartments or condos in the redevelopment of an old commercial center on East Duane Avenue in 2026 and 2027,
(5) the last approximately 50 units to be first rented in the "1250 Lakeside" apartments on Lakeside Drive in 2023,
(6) a 172-unit mainly market-rate development at 1154 Sonora Court in 2024 and 2025,
(7) a 106-unit mainly market-rate development at 1170 Sonora Court in 2026,
(8) 174 BMR Non-SRO units at 1178 Sonora Court in 2026 and 2027,
(9) the last approximately 20 units to be first rented in the "Selo of Pastoria" apartments on El Camino in 2023,
(10) the last approximately 25 units to be first rented in "Maxwell" apartments on South Mathilda Avenue in 2023,
(11) a 90-unit BMR Non-SRO project (but with 22 one-bedroom special-needs-designated units that should not have any students, so the forecast has 68 units) on South Mathilda Avenue in 2023,
(12) 26 condos at 220 Carroll Street in 2023 and 2024,
(13) 479 apartments and 19 townhouses in the City Center redevelopment in 2024 to 2026,
(14) 412 apartments and 329 townhouses on Aster Avenue just west of Lawrence Expressway in 2024 and 2025,
(15) 378 apartments and 40 townhouses at 777 Sunnyvale-Saratoga Road in 2026 and 2027, and
(16) 114 townhouses at 877 West Fremont Avenue in 2026 and 2027.

Table 7
Projected New Housing (excludes developments of less than five net added units and any units restricted to seniors)*

Region	Housing Category (developments of)	Projected Net Added Units in 12 Months to Oct. 1 2023	2024	2025	2026	2027	Total
Fremont HS	**Mainly Market-Rate in SSD**	77	807	1,057	995	995	**3,931**
	BMR ATT (non-SRO) in SSD	0	0	-62	102	102	**142**
	Regular ATT in CUSD	0	91	50	0	37	**178**
	SFD & SFA in CUSD	0	39	0	0	0	**39**
	Total	77	937	1,045	1,097	1,134	**4,290**
Homestead HS	**Mainly Market-Rate in SSD**	45	0	0	57	57	**159**
	BMR ATT (non-SRO) in SSD	68	0	0	0	0	**68**
	Total	113	0	0	57	57	**227**
Monta Vista HS	**Regular ATT in CUSD**	0	93	188	0	0	**281**
	BMR ATT (non-SRO) in CUSD	0	0	0	40	40	**80**
	SFD & SFA in CUSD	9	13	0	0	0	**22**
	Total	9	106	188	40	40	**383**
Cupertino HS	**Regular ATT in CUSD**	0	0	0	300	300	**600**
	BMR SRO ATT in CUSD	0	0	0	300	300	**600**
	Total	0	0	0	600	600	**1,200**
Lynbrook HS	**Regular ATT in CUSD**	0	0	0	0	0	**0**
	Total	0	0	0	0	0	**0**
Sunnyvale SD	**Mainly Market-Rate in SSD**	122	807	1,057	1,052	1,052	**4,090**
	BMR ATT (non-SRO) in SSD	68	0	-62	102	102	**210**
	Total	190	807	995	1,154	1,154	**4,300**
Cupertino USD	**Regular ATT in CUSD**	0	184	238	300	337	**1,059**
	BMR SRO ATT in CUSD	0	0	0	300	300	**600**
	BMR ATT (non-SRO) in CUSD	0	0	0	40	40	**80**
	SFD & SFA in CUSD	9	52	0	0	0	**61**
	Total	9	236	238	640	677	**1,800**
Fremont UHSD	**Mainly Market-Rate in SSD**	122	807	1,057	1,052	1,052	**4,090**
	Regular ATT in CUSD	0	184	238	300	337	**1,059**
	BMR SRO ATT in CUSD	0	0	0	300	300	**600**
	BMR ATT (non-SRO) in SSD	68	0	-62	102	102	**210**
	BMR ATT (non-SRO) in CUSD	0	0	0	40	40	**80**
	SFD & SFA in CUSD	9	52	0	0	0	**61**
	Total	199	1,043	1,233	1,794	1,831	**6,100**

* Totals are from site-specific projections based on EPC fieldwork and info from the relevant city planning departments.

The additional large developments forecast to have occupancies in 2023 through 2027 in the CUSD part of the FUHSD include, generally from north to south and west to east:

(17) 91 apartments and 39 townhouses at NW corner of Fremont Avenue and Wolfe Road ("Butcher's Corner") projected for 2024,
(18) 50 condos on the south side of Fremont Avenue just east of Sunnyvale-Saratoga Road in 2025,
(19) 88 townhouses on the former Oaks shopping center location (across from DeAnza College by Highway 85) after next October 1, so projected for 2024 but with students being provided in the 2023-24 school year, and
(20) 188 attached units at the current Marina Foods location on Stevens Creek Blvd. near DeAnza Blvd. in 2025.

These developments, plus a few more with mainly less than 20 units each, are concentrated in the last three years of the forecast period (see Table 7 on page 14). Only 199 of these 6,100 residences are projected for 2023.[6]

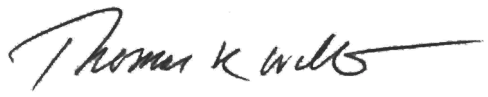
A total of 199 FUHSD students are projected in 2027 from these new housing locations, as is shown in the bottom data row of Table 1 on page 3.

Concluding Commentary

We made a judgement call in assuming that few students, in net, who left the FUHSD, CUSD, SSD and other local districts during the pandemic will return. There have been times in the past, including in economic recessions, where some districts had notable enrollment declines followed by full rebounds. The current situation, however, is different. Many Silicon Valley districts already had significantly falling enrollments in the years before the pandemic. This includes the SSD and especially the CUSD. The soaring housing prices and rents are a key factor in this, with many families no longer able to afford living locally. Two-income, childless couples have a greater ability to cover those costs.

The much larger enrollment declines since 2019 are clearly pandemic related, but these high housing expenses still factor into those enrollment losses. Between those costs and the pandemic having greatly increased the option to work remotely, an even larger number of families evidently chose to leave the area since 2019. Those departing numbers may be slowing or ending, in net, now that the pandemic's impacts are easing, but only one of the 16 Silicon Valley districts (including the FUHSD) we are analyzing had a meaningful rebound this year. Otherwise there is no indication that much of the recent enrollment reductions will be recovered in the future.[7] For the FUHSD, all of the data findings instead clearly show a severe total enrollment decline not only over the next five years, but in the following years as well.

Sincerely,



Thomas R. Williams, principal demographer for Enrollment Projection Consultants

[6] Thanks for their insights into planned and potential housing is due to (1) Sunnyvale Community Development planners Noren Caliva-Lepe, George Schroeder, Michelle King, Kelly Cha and Shaunn Mendrin and (2) Cupertino Community Development planner Gian Martire. Representatives of underway developments also were contacted for their timing estimates for move-in years. All final decisions on timing and amounts by location, however, were made by EPC.

[7] This year's jump in the grade-to-grade advancement rates have reduced the rates of student losses in most districts, but did not add students in net.

Appendix A1: Actual September and October 2022 Resident Students and Attending Enrollments

High School	Category	Actual Sept. and Oct. 2022 SSD, CUSD and FUHSD Students, incl. SDC*							
		6	7	8	9	10	11	12	9-12 Total
Fremont	Attendance				456	528	594	570	2,148
	Resident Population	514	463	475	466	525	600	565	2,156
	Net Difference (A-R)				-10	3	-6	5	**-8**
Homestead	Attendance				574	570	573	588	2,305
	Resident Population	447	445	426	576	572	570	585	2,303
	Net Difference (A-R)				-2	-2	3	3	**2**
Monta Vista	Attendance				417	433	407	486	1,743
	Resident Population	420	416	378	424	440	420	501	1,785
	Net Difference (A-R)				-7	-7	-13	-15	**-42**
Cupertino	Attendance				453	480	482	566	1,981
	Resident Population	461	464	412	498	531	527	593	2,149
	Net Difference (A-R)				-45	-51	-45	-27	**-168**
Lynbrook	Attendance				421	409	438	452	1,720
	Resident Population	250	313	327	338	333	364	356	1,391
	Net Difference (A-R)				83	76	74	96	**329**
Community	Attendance (no Resident Population)				1	4	2	0	7
NPS	Attendance (no Resident Population)				5	6	5	2	18
Total	Attendance				2,327	2,430	2,501	2,664	9,922
	Resident Population	2,092	2,101	2,018	2,302	2,401	2,481	2,600	9,784
	Net Difference (A-R)**				25	29	20	64	138

* SSD figures are from September 9, CUSD figures from September 30, and FUHSD figures from October 6, 2022. Only the FUHSD figures include NPS students.

** Total net difference is 135 incoming inter-district students (outgoing amount not calculated) and three students listed at residentially unlocatable addresses.

Note: Students enrolled in unlisted special programs are included in attendance numbers for the five regular high schools.

Appendix A2: Projected October 2023 Resident Students and Potential Attending Enrollments for the Current Attendance Areas, if the Current Intra- and Inter-District Levels continue Next Year
*(graduated up by one grade with adjustments for both advancement rates and special schools)**

High School	Category	Projected Oct. 2023 SSD, CUSD and FUHSD Students, including SDC**							
		6	7	8	9	10	11	12	9-12 Total
Fremont	Resident Population	536	485	435	450	465	525	603	2,043
	Potential Net Adjustment				-8	-10	3	2	-13
	Potential Attendance				442	455	528	605	**2,030**
Homestead	Resident Population	409	437	437	452	576	561	567	2,156
	Potential Net Adjustment				0	-2	-2	11	7
	Potential Attendance				452	574	559	578	**2,163**
Monta Vista	Resident Population	349	415	409	374	420	432	412	1,638
	Potential Net Adjustment				-6	-7	-6	-5	-24
	Potential Attendance				368	413	426	407	**1,614**
Cupertino	Resident Population	423	445	453	411	489	523	515	1,938
	Potential Net Adjustment				-44	-45	-50	-37	-176
	Potential Attendance				367	444	473	478	**1,762**
Lynbrook	Resident Population	254	248	312	330	334	326	352	1,342
	Potential Net Adjustment				84	83	77	82	326
	Potential Attendance				414	417	403	434	**1,668**
Community	Attendance (extrapolated)				1	1	4	2	8
NPS	Attendance (extrapolated)				5	5	6	5	21
Total	Resident Population	1,971	2,030	2,046	2,017	2,284	2,367	2,449	9,117
	Projected Net Adjustment***				32	25	32	60	149
	Attendance				2,049	2,309	2,399	2,509	9,266

*** This information is provided to assist the FUHSD in planning for individual school enrollments. District decisions based on both these numbers and many other factors will alter the actual net adjustments that will occur for each school. This is particularly true with the large potential net adjustments in ninth for CHS and LHS.**

** FUHSD NPS students also are included.

*** Projected total net adjustment is 146 incoming inter-district students and three students at unlocatable addresses. The former is based on recent FUHSD trends. Future levels, however, easily could be modified by District decisions.

Notes: (1) Students enrolled in unlisted special programs are included in attendance numbers for the five regular schools.
(2) The projections have hidden fractional amounts, so the totals shown here may not exactly match those in other tables.

Appendix B: Detail for Table 5 on Resident Student Population Trends and Grade-to-Grade Advancement Rates from "Existing Housing" (areas with virtually no net additional units since September 2015) by Category *in the Sunnyvale SD Region*

Classification of Existing Dwellings			Oct.	SSD Student Data											FUHSD Student Data				
Type*	Category**	Subject	of	TK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	TK-8 Total	9th	10th	11th	12th	9-12
SFD	Relatively Affordable and Modest	Resident Students	2016	20	151	134	160	172	146	170	178	120	146	1,397	150	155	159	179	643
			2017	28	164	147	133	164	168	142	155	176	121	1,398	177	148	153	154	632
			2018	34	143	162	146	124	154	158	141	142	173	1,377	129	162	148	139	578
			2019	31	176	130	144	145	117	137	133	135	139	1,287	161	133	160	141	595
			2020	27	136	152	127	142	137	105	121	120	134	1,201	141	158	128	157	584
			2021	11	119	149	134	118	126	131	86	121	116	1,111	137	148	146	129	560
			2022	31	123	119	140	130	111	124	113	82	118	1,091	117	132	141	146	536
		Res. Stu. not enrolled at SPARK in 2017	2018	34	142	158	141	120	152	153	140	142	172	1,354					
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.00*	*0.94*	*0.97*	*0.94*	*0.98*	*0.86*	*0.95*	*0.98*		*1.01*	*0.96*	*0.95*	*1.00*	
		from Prior Grade in 2019 to 2021				*0.98*	*0.93*	*0.96*	*0.92*	*0.93*	*0.85*	*0.95*	*0.98*		*1.02*	*1.02*	*0.94*	*0.99*	
		from Prior Grade in 2016 to 2019 w/o SPARK				*0.95*	*0.95*	*0.97*	*0.95*	*0.92*	*0.91*	*0.95*	*0.99*		*1.07*	*0.98*	*0.99*	*0.94*	
	Areas with a full Mix of Values	Resident Students	2016	1	5	2	2	6	4	4	3	7	2	36	4	2	4	0	10
			2017	1	5	5	2	2	5	3	5	3	6	37	2	3	1	4	10
			2018	1	3	5	6	3	1	5	5	5	4	38	7	2	3	1	13
			2019	1	4	2	5	6	3	2	6	6	4	39	5	6	2	3	16
			2020	0	6	4	2	4	5	3	2	6	6	38	5	5	5	2	17
			2021	0	2	7	4	2	3	6	1	2	6	33	9	6	6	7	28
			2022	0	6	2	7	4	2	3	6	2	3	35	7	9	4	6	26
		Res. Stu. aside from SPARK Stu. in 2017	2018	1	3	5	6	2	1	5	5	5	4	37					
	Moderate to Upper Incomes	Resident Students	2016	18	169	169	192	191	165	175	163	163	165	1,570	169	169	181	159	678
			2017	16	179	177	168	190	188	161	165	157	163	1,564	184	164	168	183	699
			2018	15	175	184	178	168	192	190	148	164	159	1,573	193	185	164	169	711
			2019	18	154	176	178	179	162	170	161	149	158	1,505	185	193	192	167	737
			2020	13	118	148	160	153	175	152	136	148	145	1,348	167	180	198	184	729
			2021	7	116	109	140	138	146	157	122	127	140	1,202	165	169	181	196	711
			2022	21	111	124	118	144	140	142	130	118	121	1,169	153	171	169	179	672
		Res. Stu. aside from SPARK Stu. in 2017	2018	15	175	182	177	167	189	189	147	164	159	1,564					
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.07*	*1.08*	*1.03*	*1.01*	*0.97*	*0.83*	*0.97*	*0.95*		*1.09*	*1.04*	*1.00*	*0.99*	
		from Prior Grade in 2019 to 2021				*0.94*	*0.93*	*0.86*	*0.97*	*0.92*	*0.80*	*0.93*	*0.96*		*1.10*	*0.99*	*1.02*	*0.97*	
		from Prior Grade in 2016 to 2019 w/o SPARK				*1.02*	*0.99*	*1.00*	*0.98*	*0.96*	*0.90*	*0.99*	*0.99*		*1.15*	*0.99*	*1.01*	*1.01*	

Appendix B: Detail for Table 5 on Resident Student Population Trends and Grade-to-Grade Advancement Rates from "Existing Housing" (areas with virtually no net additional units since September 2015) by Category *in the Sunnyvale SD Region*

Classification of Existing Dwellings			Oct.	SSD Student Data											FUHSD Student Data				
Type*	Category**	Subject	of	TK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	TK-8 Total	9th	10th	11th	12th	9-12
SFD (cont.)	All SFD Categories	Resident Students	2016	39	325	305	354	369	315	349	344	290	313	3,003	323	326	344	338	1,331
			2017	45	348	329	303	356	361	306	325	336	290	2,999	363	315	322	341	1,341
			2018	50	321	351	330	295	347	353	294	311	336	2,988	329	349	315	309	1,302
			2019	50	334	308	327	330	282	309	300	290	301	2,831	351	332	354	311	1,348
			2020	40	260	304	289	299	317	260	259	274	285	2,587	313	343	331	343	1,330
			2021	18	237	265	278	258	275	294	209	250	262	2,346	311	323	333	332	1,299
			2022	52	240	245	265	278	253	269	249	202	242	2,295	277	312	314	331	1,234
		Res. Stu. aside from SPARK Stu. in 2017	2018	50	320	345	324	289	342	347	292	311	335	2,955					
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.03*	*1.00*	*1.00*	*0.98*	*0.98*	*0.85*	*0.97*	*0.97*		*1.06*	*1.00*	*0.97*	*0.99*	
		from Prior Grade in 2019 to 2021				*0.96*	*0.93*	*0.90*	*0.94*	*0.92*	*0.82*	*0.94*	*0.97*		*1.07*	*1.00*	*0.98*	*0.99*	
		from Prior Grade in 2016 to 2019 w/o SPARK				*0.99*	*0.97*	*0.99*	*0.96*	*0.94*	*0.91*	*0.97*	*0.99*		*1.11*	*0.98*	*1.00*	*0.98*	
ATT	Most Affordable	Resident Students	2016	20	115	115	85	110	134	119	117	102	115	1,032	102	112	98	90	402
			2017	23	97	114	113	79	103	132	118	113	96	988	109	100	102	100	411
			2018	24	90	105	104	116	84	100	116	105	105	949	95	97	96	107	395
			2019	22	106	79	98	90	112	93	99	113	100	912	109	96	98	94	397
			2020	11	84	100	71	88	84	105	69	94	100	806	93	108	92	94	387
			2021	13	86	85	101	71	85	83	101	66	88	779	98	99	97	94	388
			2022	17	64	88	91	97	74	82	83	94	67	757	88	104	102	107	401
		Res. Stu. aside from SPARK Stu. in 2017	2018	24	90	104	104	114	84	99	116	105	105	945					
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.02*	*1.07*	*0.96*	*1.04*	*0.96*	*1.00*	*0.93*	*1.02*		*1.00*	*1.06*	*1.03*	*1.10*	
		from Prior Grade in 2019 to 2021				*0.98*	*0.95*	*0.95*	*0.95*	*0.96*	*0.85*	*0.95*	*0.91*		*0.96*	*1.03*	*0.93*	*0.99*	
		from Prior Grade in 2016 to 2019 w/o SPARK				*0.98*	*0.94*	*0.93*	*0.99*	*1.02*	*0.95*	*0.94*	*0.94*		*0.99*	*0.96*	*0.96*	*1.02*	
	Affordable to High Amenity	Resident Students	2016	58	263	238	205	216	181	218	162	132	142	1,815	174	149	159	145	627
			2017	60	265	256	229	199	207	175	200	153	129	1,873	139	161	130	152	582
			2018	65	272	266	249	215	196	209	160	191	150	1,973	139	134	155	130	558
			2019	54	248	254	243	214	199	170	163	147	183	1,875	154	135	125	146	560
			2020	48	230	239	232	223	205	171	139	151	143	1,781	186	138	133	127	584
			2021	31	207	204	193	202	182	187	118	124	145	1,593	150	183	146	144	623
			2022	57	197	195	190	191	185	167	149	120	124	1,575	152	159	198	147	656
		Res. Stu. aside from SPARK Stu. in 2017	2018	65	272	256	246	203	193	204	159	191	150	1,939					
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*0.94*	*0.93*	*0.99*	*0.92*	*0.92*	*0.80*	*1.02*	*1.00*		*1.05*	*1.06*	*1.08*	*1.01*	
		from Prior Grade in 2019 to 2021				*0.93*	*0.86*	*0.89*	*0.89*	*0.89*	*0.75*	*0.91*	*0.97*		*1.03*	*0.94*	*1.02*	*1.05*	
		from Prior Grade in 2016 to 2019 w/o SPARK				*0.96*	*0.95*	*0.91*	*0.95*	*0.94*	*0.87*	*0.94*	*0.97*		*1.03*	*0.95*	*0.92*	*0.97*	

Appendix B: Detail for Table 5 on Resident Student Population Trends and Grade-to-Grade Advancement Rates from "Existing Housing" (areas with virtually no net additional units since September 2015) by Category *in the Sunnyvale SD Region*

Classification of Existing Dwellings			Oct.	CUSD Student Data											FUHSD Student Data				
Type*	Category**	Subject	of	TK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	TK-8 Total	9th	10th	11th	12th	9-12
ATT (cont.)	All ATT Categories	Resident Students	2016	78	378	353	290	326	315	337	279	234	257	2,847	276	261	257	235	1,029
			2017	83	362	370	342	278	310	307	318	266	225	2,861	248	261	232	252	993
			2018	89	362	371	353	331	280	309	276	296	255	2,922	234	231	251	237	953
			2019	76	354	333	341	304	311	263	262	260	283	2,787	263	231	223	240	957
			2020	59	314	339	303	311	289	276	208	245	243	2,587	279	246	225	221	971
			2021	44	293	289	294	273	267	270	219	190	233	2,372	248	282	243	238	1,011
			2022	74	261	283	281	288	259	249	232	214	191	2,332	240	263	300	254	1,057
		Res. Stu. aside from SPARK Stu. in 2017	2018	89	362	360	350	317	277	303	275	296	255	2,884					
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*0.97*	*0.97*	*0.98*	*0.95*	*0.93*	*0.86*	*0.98*	*1.01*		*1.03*	*1.06*	*1.06*	*1.05*	
		from Prior Grade in 2019 to 2021				*0.94*	*0.89*	*0.91*	*0.90*	*0.91*	*0.79*	*0.92*	*0.94*		*1.00*	*0.97*	*0.98*	*1.02*	
		from Prior Grade in 2016 to 2019 w/o SPARK				*0.96*	*0.94*	*0.92*	*0.96*	*0.96*	*0.90*	*0.94*	*0.96*		*1.01*	*0.95*	*0.94*	*0.99*	
MHP	All MHP	Resident Students	2016	3	18	14	18	19	20	17	18	12	24	163	21	26	26	25	98
			2017	2	14	18	13	17	24	21	18	22	11	160	25	20	27	26	98
			2018	3	16	13	21	15	15	21	21	20	20	165	12	25	15	26	78
			2019	3	9	16	15	16	14	16	19	20	22	150	18	15	26	17	76
			2020	2	12	11	15	16	15	14	13	21	20	139	24	19	17	24	84
			2021	0	14	12	13	15	20	14	13	13	24	138	17	25	19	14	75
			2022	2	17	13	14	15	16	18	10	17	15	137	26	16	26	24	92
		Res. Stu. aside from SPARK Stu. in 2017	2018	3	16	13	20	14	15	21	21	20	20	163					
Mix Types	Most Affordable to Modest (majority of students from SFD)	Resident Students	2016	5	43	43	44	45	45	54	55	45	31	410	53	40	47	35	175
			2017	6	41	38	41	40	41	37	48	52	42	386	37	46	44	49	176
			2018	4	38	50	36	46	40	46	31	51	48	390	43	41	41	43	168
			2019	5	42	36	51	35	47	40	45	30	51	382	56	51	44	46	197
			2020	5	20	40	37	47	33	41	33	43	28	327	50	55	44	45	194
			2021	13	32	21	37	32	44	27	30	30	41	307	37	49	46	44	176
			2022	8	46	34	23	37	31	45	24	32	33	313	50	36	50	52	188
		Res. Stu. aside from SPARK Stu. in 2017	2018	4	38	48	35	45	37	45	31	51	48	382					

Appendix B: Detail for Table 5 on Resident Student Population Trends and Grade-to-Grade Advancement Rates from "Existing Housing" (areas with virtually no net additional units since September 2015) by Category *in the Cupertino USD Region*

Classification of Existing Dwellings			Oct.	CUSD Student Data											FUHSD Student Data				
Type*	Category**	Subject	of	TK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	TK-8 Total	9th	10th	11th	12th	9-12
SFD	Gentrifying Areas that Originally were Affordable or Modest	Resident Students	2016	14	113	116	112	122	136	128	127	128	139	1,135	149	155	157	144	605
			2017	20	105	110	111	118	118	133	119	133	132	1,099	145	157	163	147	612
			2018	10	113	95	109	109	115	116	140	126	135	1,068	153	142	162	162	619
			2019	14	69	125	99	119	117	122	111	140	128	1,044	137	156	138	157	588
			2020	7	77	77	126	104	117	111	121	104	136	980	133	132	155	145	565
			2021	7	70	74	77	120	97	118	110	109	108	890	143	127	134	145	549
			2022	13	61	68	79	77	123	92	118	113	113	857	114	142	128	132	516
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*0.97*	*1.07*	*1.00*	*1.03*	*0.95*	*1.00*	*1.03*	*1.04*		*1.06*	*0.99*	*1.01*	*0.99*	
		from Prior Grade in 2019 to 2021				*1.04*	*1.00*	*1.00*	*0.96*	*0.98*	*0.99*	*0.92*	*1.00*		*1.05*	*0.96*	*1.00*	*0.99*	
		from Prior Grade in 2016 to 2019				*0.99*	*1.00*	*1.04*	*1.01*	*1.01*	*0.98*	*1.04*	*1.02*		*1.07*	*1.02*	*1.02*	*0.97*	
	Originally Moderate Income	Resident Students	2016	14	103	88	82	100	109	129	117	136	127	1,005	119	121	109	108	457
			2017	8	88	112	91	86	102	107	134	115	140	983	124	118	115	111	468
			2018	13	76	91	115	94	79	96	99	133	113	909	132	123	117	113	485
			2019	6	70	85	100	111	92	74	108	103	134	883	117	134	124	117	492
			2020	4	77	64	83	89	99	84	69	111	101	781	142	115	133	122	512
			2021	7	60	76	64	81	88	98	81	71	109	735	104	136	115	131	486
			2022	14	60	59	75	62	81	87	95	83	72	688	107	100	138	119	464
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*0.98*	*0.99*	*0.97*	*1.00*	*0.99*	*0.97*	*1.02*	*1.01*		*0.98*	*0.96*	*1.01*	*1.03*	
		from Prior Grade in 2019 to 2021				*0.95*	*0.99*	*0.93*	*0.94*	*0.95*	*0.95*	*1.03*	*0.98*		*1.04*	*0.97*	*1.00*	*0.98*	
		from Prior Grade in 2016 to 2019				*1.08*	*1.05*	*1.02*	*0.97*	*0.95*	*1.03*	*1.01*	*1.01*		*0.98*	*1.00*	*0.98*	*1.00*	
	Originally Middle Income	Resident Students	2016	53	424	480	504	618	619	635	731	717	806	5,587	780	768	813	708	3,069
			2017	50	396	459	526	513	618	620	640	717	721	5,260	811	778	773	803	3,165
			2018	61	397	424	492	541	526	644	631	643	721	5,080	723	813	771	760	3,067
			2019	67	392	416	449	504	559	534	635	635	633	4,824	732	729	816	761	3,038
			2020	47	323	421	431	453	491	560	550	630	636	4,542	626	751	722	800	2,899
			2021	53	350	354	437	434	440	468	536	549	620	4,241	627	624	748	696	2,695
			2022	69	325	370	380	437	454	432	479	547	555	4,048	620	633	613	732	2,598
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.06*	*1.07*	*1.00*	*1.05*	*0.98*	*1.02*	*1.02*	*1.01*		*1.00*	*1.01*	*0.98*	*0.98*	
		from Prior Grade in 2019 to 2021				*1.08*	*1.04*	*1.01*	*0.97*	*0.98*	*0.99*	*1.00*	*0.99*		*0.99*	*1.01*	*0.99*	*0.97*	
		from Prior Grade in 2016 to 2019				*1.07*	*1.08*	*1.02*	*1.02*	*1.02*	*1.00*	*1.00*	*1.00*		*1.01*	*1.00*	*1.00*	*0.99*	

Appendix B: Detail for Table 5 on Resident Student Population Trends and Grade-to-Grade Advancement Rates from "Existing Housing" (areas with virtually no net additional units since September 2015) by Category *in the Cupertino USD Region*

Classification of Existing Dwellings			Oct.	CUSD Student Data											FUHSD Student Data				
Type*	Category**	Subject	of	TK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	TK-8 Total	9th	10th	11th	12th	9-12
SFD (cont.)	**Upper Middle to High Income**	Resident Students	2016	25	185	193	210	247	262	285	307	337	316	2,367	314	301	327	329	1,271
			2017	24	148	192	217	219	257	261	276	309	335	2,238	327	316	297	325	1,265
			2018	36	157	162	224	222	228	264	256	277	307	2,133	326	333	317	294	1,270
			2019	24	176	178	179	224	227	224	254	270	280	2,036	318	333	334	313	1,298
			2020	32	126	181	184	176	229	218	204	248	260	1,858	280	312	327	328	1,247
			2021	17	154	137	174	188	165	217	215	210	241	1,718	252	275	307	323	1,157
			2022	45	124	162	150	172	178	173	211	212	210	1,637	238	255	265	309	1,067
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.05*	*1.09*	*0.99*	*0.95*	*1.05*	*0.97*	*0.99*	*1.00*		*0.99*	*1.01*	*0.96*	*1.01*	
		from Prior Grade in 2019 to 2021				*1.06*	*1.00*	*1.00*	*0.98*	*0.95*	*0.95*	*1.00*	*0.97*		*0.98*	*0.98*	*0.98*	*0.98*	
		from Prior Grade in 2016 to 2019				*1.09*	*1.13*	*1.02*	*1.03*	*1.00*	*0.97*	*1.02*	*1.00*		*1.01*	*1.02*	*1.00*	*0.99*	
	Subtotal for All but Originally Affordable or Modest	Resident Students	2016	92	712	761	796	965	990	1049	1155	1190	1249	8,959	1213	1190	1249	1145	4,797
			2017	82	632	763	834	818	977	988	1050	1141	1196	8,481	1262	1212	1185	1239	4,898
			2018	110	630	677	831	857	833	1004	986	1053	1141	8,122	1181	1269	1205	1167	4,822
			2019	97	638	679	728	839	878	832	997	1008	1047	7,743	1167	1196	1274	1191	4,828
			2020	83	526	666	698	718	819	862	823	989	997	7,181	1048	1178	1182	1250	4,658
			2021	77	564	567	675	703	693	783	832	830	970	6,694	983	1035	1170	1150	4,338
			2022	128	509	591	605	671	713	692	785	842	837	6,373	965	988	1016	1160	4,129
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.05*	*1.07*	*0.99*	*1.01*	*1.00*	*1.00*	*1.01*	*1.01*		*0.99*	*1.01*	*0.98*	*0.99*	
		from Prior Grade in 2019 to 2021				*1.06*	*1.02*	*1.00*	*0.97*	*0.97*	*0.98*	*1.00*	*0.98*		*0.99*	*1.00*	*0.99*	*0.98*	
		from Prior Grade in 2016 to 2019				*1.07*	*1.09*	*1.02*	*1.02*	*1.01*	*1.00*	*1.00*	*1.00*		*1.01*	*1.01*	*1.00*	*0.99*	
	All SFD Categories	Resident Students	2016	106	825	877	908	1087	1126	1177	1282	1318	1388	10,094	1362	1345	1406	1289	5,402
			2017	102	737	873	945	936	1095	1121	1169	1274	1328	9,580	1407	1369	1348	1386	5,510
			2018	120	743	772	940	966	948	1120	1126	1179	1276	9,190	1334	1411	1367	1329	5,441
			2019	111	707	804	827	958	995	954	1108	1148	1175	8,787	1304	1352	1412	1348	5,416
			2020	90	603	743	824	822	936	973	944	1093	1133	8,161	1181	1310	1337	1395	5,223
			2021	84	634	641	752	823	790	901	942	939	1078	7,584	1126	1162	1304	1295	4,887
			2022	141	570	659	684	748	836	784	903	955	950	7,230	1079	1130	1144	1292	4,645
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.04*	*1.07*	*0.99*	*1.02*	*0.99*	*1.00*	*1.01*	*1.01*		*1.00*	*1.00*	*0.98*	*0.99*	
		from Prior Grade in 2019 to 2021				*1.06*	*1.02*	*1.00*	*0.97*	*0.97*	*0.98*	*0.99*	*0.99*		*1.00*	*0.99*	*0.99*	*0.98*	
		from Prior Grade in 2016 to 2019				*1.06*	*1.08*	*1.02*	*1.02*	*1.01*	*1.00*	*1.01*	*1.00*		*1.01*	*1.01*	*1.00*	*0.99*	

Appendix B: Detail for Table 5 on Resident Student Population Trends and Grade-to-Grade Advancement Rates from "Existing Housing" (areas with virtually no net additional units since September 2015) by Category *in the Cupertino USD Region*

Classification of Existing Dwellings			Oct.	CUSD Student Data											FUHSD Student Data				
Type*	Category**	Subject	of	TK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	TK-8 Total	9th	10th	11th	12th	9-12
ATT	**Most Affordable**	Resident Students	2016	32	114	124	106	123	118	109	109	110	109	1,054	119	131	135	118	503
			2017	18	132	113	125	110	120	119	103	106	114	1,060	118	116	134	130	498
			2018	20	114	132	111	117	99	117	122	107	118	1,057	114	121	110	136	481
			2019	24	118	122	129	106	109	92	115	120	101	1,036	109	103	121	98	431
			2020	27	92	116	122	122	99	100	89	110	125	1,002	101	104	103	123	431
			2021	13	85	74	92	100	99	90	95	82	97	827	111	85	102	95	393
			2022	25	82	79	70	89	89	109	90	81	92	806	109	129	89	116	443
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*0.93*	*0.95*	*0.97*	*0.89*	*1.10*	*1.00*	*0.85*	*1.12*		*1.12*	*1.16*	*1.05*	*1.14*	
		from Prior Grade in 2019 to 2021				*0.89*	*0.90*	*0.88*	*0.87*	*0.91*	*0.96*	*0.94*	*0.96*		*0.94*	*0.90*	*0.99*	*0.97*	
		from Prior Grade in 2016 to 2019				*1.02*	*0.99*	*0.98*	*0.94*	*0.97*	*0.98*	*1.00*	*1.03*		*1.00*	*0.97*	*0.99*	*0.96*	
	Affordable and Modest	Resident Students	2016	84	447	474	455	433	429	371	370	363	320	3,746	283	262	223	228	996
			2017	73	483	481	496	423	399	369	352	340	312	3,728	291	253	248	197	989
			2018	84	462	478	466	444	364	369	328	320	308	3,623	286	276	248	232	1,042
			2019	67	433	455	441	428	383	342	331	295	303	3,478	276	274	244	245	1,039
			2020	66	356	400	411	403	383	352	310	298	269	3,248	274	252	237	226	989
			2021	54	329	325	355	348	355	337	300	239	245	2,887	215	242	219	219	895
			2022	96	277	330	326	321	315	309	285	290	224	2,773	219	192	234	213	858
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.00*	*1.00*	*0.90*	*0.91*	*0.87*	*0.85*	*0.97*	*0.94*		*0.89*	*0.89*	*0.97*	*0.97*	
		from Prior Grade in 2019 to 2021				*0.92*	*0.90*	*0.88*	*0.89*	*0.90*	*0.88*	*0.84*	*0.87*		*0.85*	*0.90*	*0.87*	*0.93*	
		from Prior Grade in 2016 to 2019				*1.02*	*0.98*	*0.91*	*0.88*	*0.91*	*0.91*	*0.91*	*0.90*		*0.91*	*0.93*	*0.94*	*0.94*	
	Moderate to High Amenity (including "Duets")	Resident Students	2016	50	310	375	364	355	374	337	354	388	354	3,261	296	274	269	253	1,092
			2017	46	320	327	360	363	364	363	321	338	370	3,172	350	291	278	263	1,182
			2018	48	300	327	320	352	354	344	339	301	312	2,997	331	341	285	275	1,232
			2019	52	263	306	332	312	351	337	331	339	282	2,905	284	319	335	275	1,213
			2020	51	245	272	289	314	283	331	297	313	319	2,714	253	276	313	327	1,169
			2021	46	229	235	231	246	267	250	289	256	273	2,322	277	251	273	307	1,108
			2022	60	209	237	220	223	240	256	249	270	233	2,197	260	277	269	268	1,074
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.03*	*0.94*	*0.97*	*0.98*	*0.96*	*1.00*	*0.93*	*0.91*		*0.95*	*1.00*	*1.07*	*0.98*	
		from Prior Grade in 2019 to 2021				*1.00*	*0.90*	*0.90*	*0.88*	*0.91*	*0.88*	*0.90*	*0.91*		*0.88*	*0.98*	*0.99*	*0.98*	
		from Prior Grade in 2016 to 2019				*1.03*	*0.98*	*0.98*	*1.00*	*0.96*	*0.95*	*0.96*	*0.94*		*0.93*	*0.97*	*0.99*	*0.98*	

Appendix B: Detail for Table 5 on Resident Student Population Trends and Grade-to-Grade Advancement Rates from "Existing Housing" (areas with virtually no net additional units since September 2015) by Category *in the Cupertino USD Region*

Classification of Existing Dwellings			Oct.	CUSD Student Data											FUHSD Student Data				
Type*	Category**	Subject	of	TK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	TK-8 Total	9th	10th	11th	12th	9-12
ATT (cont.)	**Subtotal for All but Most Affordable**	Resident Students	2016	134	757	849	819	788	803	708	724	751	674	7,007	579	536	492	481	2,088
			2017	119	803	808	856	786	763	732	673	678	682	6,900	641	544	526	460	2,171
			2018	132	762	805	786	796	718	713	667	621	620	6,620	617	617	533	507	2,274
			2019	119	696	761	773	740	734	679	662	634	585	6,383	560	593	579	520	2,252
			2020	117	601	672	700	717	666	683	607	611	588	5,962	527	528	550	553	2,158
			2021	100	558	560	586	594	622	587	589	495	518	5,209	492	493	492	526	2,003
			2022	156	486	567	546	544	555	565	534	560	457	4,970	479	469	503	481	1,932
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.02*	*0.98*	*0.93*	*0.93*	*0.91*	*0.91*	*0.95*	*0.92*		*0.92*	*0.95*	*1.02*	*0.98*	
		from Prior Grade in 2019 to 2021				*0.95*	*0.90*	*0.89*	*0.88*	*0.91*	*0.88*	*0.87*	*0.89*		*0.87*	*0.94*	*0.93*	*0.96*	
		from Prior Grade in 2016 to 2019				*1.02*	*0.98*	*0.94*	*0.93*	*0.93*	*0.93*	*0.94*	*0.92*		*0.92*	*0.95*	*0.97*	*0.96*	
	All ATT Categories	Resident Students	2016	166	871	973	925	911	921	817	833	861	783	8,061	698	667	627	599	2,591
			2017	137	935	921	981	896	883	851	776	784	796	7,960	759	660	660	590	2,669
			2018	152	876	937	897	913	817	830	789	728	738	7,677	731	738	643	643	2,755
			2019	143	814	883	902	846	843	771	777	754	686	7,419	669	696	700	618	2,683
			2020	144	693	788	822	839	765	783	696	721	713	6,964	628	632	653	676	2,589
			2021	113	643	634	678	694	721	677	684	577	615	6,036	603	578	594	621	2,396
			2022	181	568	646	616	633	644	674	624	641	549	5,776	588	598	592	597	2,375
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.00*	*0.97*	*0.93*	*0.93*	*0.93*	*0.92*	*0.94*	*0.95*		*0.96*	*0.99*	*1.02*	*1.01*	
		from Prior Grade in 2019 to 2021				*0.94*	*0.90*	*0.89*	*0.88*	*0.91*	*0.89*	*0.88*	*0.90*		*0.88*	*0.93*	*0.94*	*0.96*	
		from Prior Grade in 2016 to 2019				*1.02*	*0.98*	*0.95*	*0.93*	*0.94*	*0.94*	*0.94*	*0.94*		*0.93*	*0.96*	*0.97*	*0.96*	
MIX	**Areas with Thorough Mix of Housing Types and Values**	Resident Students	2016	0	18	16	10	24	15	25	15	23	16	162	15	26	20	14	75
			2017	2	14	17	18	11	26	15	21	13	22	159	18	16	25	20	79
			2018	2	6	18	20	16	14	23	16	22	15	152	24	22	16	26	88
			2019	4	15	8	19	16	13	15	20	18	20	148	17	25	20	16	78
			2020	0	12	15	8	20	18	11	14	19	17	134	19	16	25	20	80
			2021	1	6	13	12	7	20	19	12	13	22	125	16	18	16	27	77
			2022	3	10	6	12	8	7	20	22	13	16	117	18	16	21	16	71

Appendix B: Detail for Table 5 on Resident Student Population Trends and Grade-to-Grade Advancement Rates from "Existing Housing" (areas with virtually no net additional units since September 2015) *in Each of the Sunnyvale SD and Cupertino USD Regions*

ESD Region	Housing Type	Subject	Oct. of	Student Data in the Relevant ESD											FUHSD Student Data				
				TK	K	1st	2nd	3rd	4th	5th	6th	7th	8th	TK-8 Total	9th	10th	11th	12th	9-12
SSD	**All Areas of Almost Solely Existing Housing since 2015** (incl. <200 students each year from middle to upper income mixed type areas, mobile homes and isolated homes in mainly non-residential areas)	Resident Students	2016	125	765	715	705	761	697	758	693	580	625	6,424	671	652	677	634	2,634
			2017	136	764	756	699	689	737	673	710	673	566	6,403	674	639	624	670	2,607
			2018	146	739	784	742	688	681	730	624	680	657	6,471	616	648	619	614	2,497
			2019	134	742	695	733	689	655	627	627	602	658	6,162	688	629	650	612	2,579
			2020	107	610	698	650	672	660	592	512	584	578	5,663	668	663	617	636	2,584
			2021	76	579	590	624	580	605	607	473	482	561	5,177	616	681	641	627	2,565
			2022	136	568	580	590	620	561	581	517	467	481	5,101	593	631	694	661	2,579
		Res. Stu. aside from SPARK Stu. in 2017	2018	146	740	766	731	668	671	719	620	680	657	6,398					
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.00*	*1.00*	*0.99*	*0.97*	*0.96*	*0.85*	*0.99*	*1.00*		*1.06*	*1.02*	*1.02*	*1.03*	
		from Prior Grade in 2019 to 2021				*0.95*	*0.91*	*0.90*	*0.93*	*0.91*	*0.81*	*0.94*	*0.96*		*1.04*	*0.99*	*0.97*	*1.00*	
		from Prior Grade in 2016 to 2019 w/o SPARK				*0.98*	*0.96*	*0.95*	*0.96*	*0.95*	*0.91*	*0.96*	*0.97*		*1.07*	*0.98*	*0.98*	*0.99*	
CUSD	**All Areas of Almost Solely Existing Housing since 2015** (including students from isolated homes in non-residential areas)	Resident Students	2016	272	1714	1867	1843	2022	2062	2019	2130	2202	2187	18,318	2,075	2,038	2,053	1,902	8,068
			2017	241	1686	1811	1945	1843	2004	1987	1966	2071	2146	17,700	2,185	2,045	2,034	1,996	8,260
			2018	274	1625	1729	1858	1895	1779	1973	1931	1929	2029	17,022	2,089	2,172	2,026	1,998	8,285
			2019	260	1536	1696	1748	1820	1851	1740	1906	1920	1881	16,358	1,994	2,073	2,133	1,982	8,182
			2020	234	1309	1546	1655	1681	1719	1767	1654	1833	1863	15,261	1828	1959	2016	2092	7,895
			2021	198	1283	1288	1442	1525	1531	1598	1638	1529	1715	13,747	1,746	1,759	1,915	1,943	7,363
			2022	326	1148	1311	1312	1389	1488	1479	1550	1610	1515	13,128	1,685	1,745	1,758	1,906	7,094
		Average Change Rate:																	
		from Prior Grade in 2021 to 2022				*1.02*	*1.02*	*0.96*	*0.98*	*0.97*	*0.97*	*0.98*	*0.99*		*0.98*	*1.00*	*1.00*	*1.00*	
		from Prior Grade in 2019 to 2021				*1.00*	*0.95*	*0.94*	*0.93*	*0.94*	*0.94*	*0.94*	*0.95*		*0.95*	*0.97*	*0.98*	*0.97*	
		from Prior Grade in 2016 to 2019				*1.04*	*1.03*	*0.98*	*0.98*	*0.98*	*0.97*	*0.98*	*0.98*		*0.99*	*0.99*	*0.99*	*0.98*	

* "SFD" = Single Family Detached homes; "ATT" = Attached, for apartment, condo, townhouse and plex units; "MHP" = Mobile Home Parks

** Categories are subjective assignments by EPC of the dominant housing situation in each planning area; some areas may have small percentages of other categories.

Notes: (1) The rates shown are actual calculated rates. These have been modified where warranted in the projections. (2) The County Assessor's Office recently identified three islands in the CUSD region as being part of the SSD. The most significant of these is by the east side of Hollenbeck Ave. north of Homestead Rd. We are assigning students in these islands as resident to the district they are enrolled in.