

Strategic Targeting of Additional Teachers to Significantly Reduce Largest Class Sizes

Example: Elementary School Projections for 2014–15

Adding even a small number of teachers can make a big difference for students and teachers, if it is strategically targeted.

This is true for next year as well as this year. The district has previously demonstrated how additional teachers could be strategically targeted to reduce the largest class sizes and blended-grade classrooms. That example used current-year data because current class sizes are known, not projected.

Teachers have asked to also see an example using projections for next year. This example is provided with the understanding that enrollment changes frequently and exact class sizes in the fall will differ from any projection. This new example, using enrollment and class size projections for 2014–15, demonstrates similar positive effects of strategically targeting additional teachers.

Example of the Combined Effect of Adding 12 Elementary School Teachers in 2014–15

If an additional 12 FTE teachers were strategically targeted to reduce class sizes as in this example:

- **Fewer oversized classes** (classes larger than 30 students) and blends:

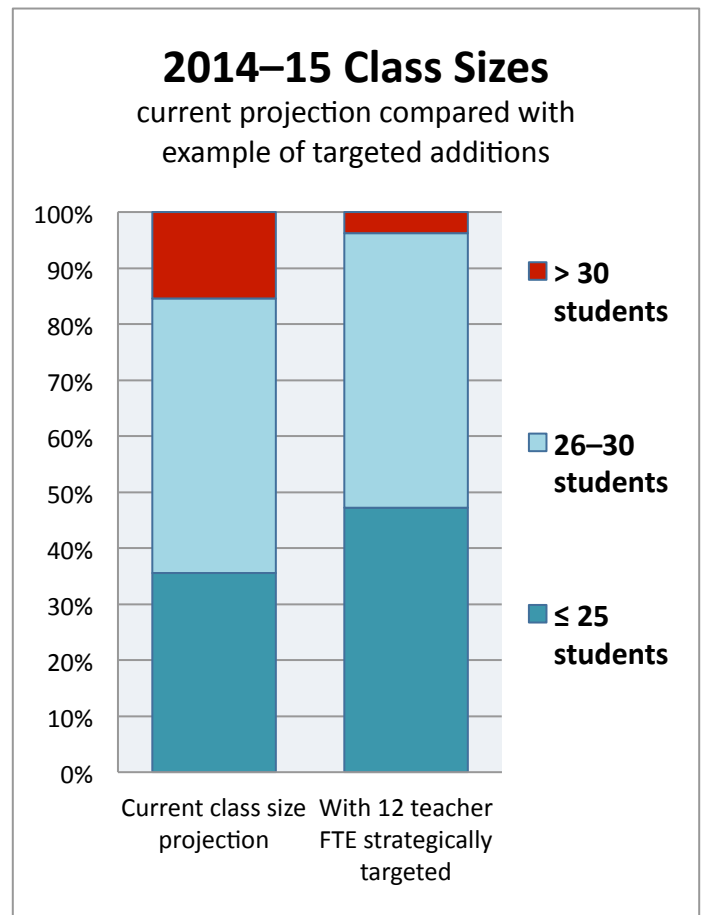
- Just 10 oversized classes instead of the 40 currently projected.
- 1 out of every 27 classes would be oversized, instead of 1 out of every 6.5.
- Three-quarters of the 1,295 students (977, or 75%) currently projected to be in classes over 30 students would instead be in smaller classes, mostly in the low 20s.

- **More classes of moderate size:**

- 127 classrooms (47%) would be 25 students or smaller, instead of the currently projected 92 (35%).
- 47% of classrooms would have 25 or fewer students.
- 96% of classrooms would have 30 or fewer students.
- 99.5% of classrooms would have 32 or fewer students.

- **Better for teachers and students:**

- 20% of all elementary students (1,376) would be directly positively impacted by reduced class sizes.
- 16% of elementary teachers (44) would be directly positively impacted by reduced class sizes.
- Relief would be provided for 12 of our 14 neighborhood schools.
- The educational environment would significantly improve for the teachers and students facing our most overcrowded classrooms.



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Effect on Elementary Class Size of Adding 12 Teachers in 2014–15

- 2014–15 enrollment projections included in the approved 2014–15 budget:

Figure 4. Enrollment Projection Summary, by School (headcount, K=1.0)

SCHOOL	10/1/2012 Enrollment	10/1/2013 Enrollment	2014-15 Projection	Projected Change from October to October
ADAMS	390	421	405	(16)
ATA ELEM.	92	0	0	0
AWBREY PARK	422	399	378	(21)
HOLT	543	562	553	(9)
BUENA VISTA	335	387	410	23
CAMAS RIDGE	429	390	377	(13)
CESAR CHAVEZ	456	449	440	(9)
CHARLEMAGNE	303	313	309	(4)
CORRIDOR	268	259	270	11
EDGEWOOD	395	403	377	(26)
EDISON	342	355	346	(9)
FAMILY	166	186	167	(19)
GILHAM	511	487	459	(28)
HOWARD	304	342	346	4
MCCORNACK	350	345	337	(8)
RIVER ROAD	340	317	344	27
SPRING CREEK	359	356	361	5
TWIN OAKS	227	233	227	(6)
WILLAGILLESPIE	526	531	514	(17)
YUJIN GAKUEN	267	280	286	6

- Enrollment projections by grade:

School	2014 Projected Enrollment						
	K	G1	G2	G3	G4	G5	TOTAL
Adams Elementary School	57	70	69	61	72	76	405
Awbrey Park Elementary School	64	63	60	70	63	58	378
Buena Vista Elementary School	64	88	84	68	57	49	410
Camas Ridge Community Elem	58	47	65	66	68	73	377
Charlemagne/Fox Hollow Elem	48	54	56	50	55	46	309
Chavez Elementary School	73	79	69	75	64	80	440
Corridor Elementary School	43	43	48	49	33	54	270
Edgewood Community School	55	64	59	51	65	83	377
Edison Elementary School	51	59	53	63	57	63	346
Family School Elementary	24	23	20	36	35	29	167
Gilham Elementary School	64	73	75	82	82	83	459
Holt Elementary School	81	87	109	93	93	90	553
Howard Elementary School	51	67	56	56	58	58	346
McCornack Elementary School	54	61	59	58	50	55	337
River Rd El Camino del Rio Elm	61	52	70	59	50	52	344
Spring Creek Elementary Schl	57	61	73	56	59	55	361
Twin Oaks Elementary School	31	32	48	37	41	38	227
Willagillespie Elementary Schl	74	86	75	86	97	96	514
Yujin Gakuen Elementary School	49	62	55	44	41	35	286
ELEMENTARY SCHOOLS	1060	1172	1202	1159	1139	1174	6906

- If all the enrollment numbers were exactly as projected, 0.5 FTE budgeted for Howard would be moved to Adams to balance the sizes of kindergarten classes.

- Potential class sizes based on enrollment projections at Adams:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Adams (14 FTE)	K	57	29	28			1		14
	G1	70	24	23	23		3		
	G2	69	35	34			2		
	G3	61	31	30			2		
	G4	72	24	24	24		3		
	G5	76	26	25	25		3		

- After adding 12 elementary teacher FTE in the district (1 FTE in Adams):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Adams (14 + 1 FTE)	K	57	29	28			1		15
	G1	70	24	23	23		3		
	G2	69	23	23	23		3		
	G3	61	31	30			2		
	G4	72	24	24	24		3		
	G5	76	26	25	25		3		

- Potential class sizes based on enrollment projections at Awbrey Park:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Awbrey Park (13 FTE)	K	64	22	21	21		1.5		13 (with 0.5 for facilitating teacher)
	G1	63	21	21	21		3		
	G2	60	30	30			2		
	G3	70	35	35			2		
	G4	63	32	31			2		
	G5	58	29	29			2		

- After adding 12 elementary teacher FTE in the district (1.5 FTE in Awbrey Park):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Awbrey Park (13 + 1.5 FTE)	K	64	22	21	21		1.5		14.5
	G1	63	21	21	21		3		
	G2	60	30	30			2		
	G3	70	24	23	23		3		
	G4	63	21	21	21		3		
	G5	58	29	29			2		

- Potential class sizes based on enrollment projections at Buena Vista:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Buena Vista (13.5 FTE)	K	64	22	21	21		1.5		13.5
	G1	88	30	29	29		3		
	G2	84	28	28	28		3		
	G3	68	29	29	29		2	2	
	G4	57	29		(10+19)	29 (9+20)	1		
	G5	49	29				1		

- After adding 12 elementary teacher FTE in the district: no change at Buena Vista

- Potential class sizes based on enrollment projections at Camas Ridge:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Camas Ridge (12.5 FTE)	K	58	20	19	19		1.5		12.5
	G1	47	24	23			2		
	G2	65	33	32			2		
	G3	66	33	33			2		
	G4	68	34	34			2		
	G5	73	25	24	24		3		

- After adding 12 elementary teacher FTE in the district (1.5 FTE in Camas Ridge):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Camas Ridge (12.5 + 1.5 FTE)	K	58	29	29			1		14
	G1	47	24	23			2		
	G2	65	22	22	21		3		
	G3	66	27	27	26		2	1	
	G4	68	27	27	(12+14)		2		
	G5	73	25	24	24		3		

- Potential class sizes based on enrollment projections at César Chávez:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
César Chávez (16 FTE)	K	73	19	18	18	18	2		16
	G1	79	27	26	26		3		
	G2	69	23	23	23		3		
	G3	75	25	25	25		3		
	G4	64	32	32			2		
	G5	80	27	27	26		3		

- After adding 12 elementary teacher FTE in the district (0.5 FTE in César Chávez):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
César Chávez (16 + 0.5 FTE)	K	73	25	24	24		1.5		16.5
	G1	79	27	26	26		3		
	G2	69	23	23	23		3		
	G3	75	25	25	25		3		
	G4	64	22	21	21		3		
	G5	80	27	27	26		3		

- Potential class sizes based on enrollment projections at Charlemagne:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Charlemagne (10 FTE)	K	48	24	24			1		10
	G1	54	27	27			2		
	G2	56	28	28			2		
	G3	50	30	30			1	2	
	G4	55	30	(20+10)	30		1		
	G5	46	31		(15+15)		1		

- After adding 12 elementary teacher FTE in the district: no change at Charlemagne

- Potential class sizes based on enrollment projections at Corridor:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Corridor (9 FTE)	K	43	22	21			1	3	9
	G1	43	28	28			1		
	G2	48	28	(15+13)	28 (7+21)		1		
	G3	49	28				1		
	G4	33	29			29 (4+25)	1		
	G5	54	29				1		

- After adding 12 elementary teacher FTE in the district: no change at Corridor

- Potential class sizes based on enrollment projections at Edgewood:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Edgewood (12.5 FTE)	K	55	19	18	18		1.5		12.5
	G1	64	32	32			2		
	G2	59	30	29			2		
	G3	51	26	25			2		
	G4	65	33	32			2		
	G5	83	28	28	27		3		

- After adding 12 elementary teacher FTE in the district (1.5 FTE in Edgewood):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Edgewood (12.5 + 1.5 FTE)	K	55	28	27			1		14
	G1	64	22	21	21		3		
	G2	59	30	29			2		
	G3	51	26	25			2		
	G4	65	22	22	21		3		
	G5	83	28	28	27		3		

- Potential class sizes based on enrollment projections at Edison:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Edison (11.5 FTE)	K	51	17	17	17		1.5		11.5
	G1	59	30	29			2		
	G2	53	27	26			2		
	G3	63	32	31			2		
	G4	57	29	28			2		
	G5	63	32	31			2		

- After adding 12 elementary teacher FTE in the district (0.5 FTE in Edison):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Edison (11.5 + 0.5 FTE)	K	51	26	25			1		12
	G1	59	30	29			2		
	G2	53	27	26			2		
	G3	63	21	21	21		3		
	G4	57	29	28			2		
	G5	63	32	31			2		

- Potential class sizes based on enrollment projections at Family:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Family (5.5 FTE)	K	24	24				0.5		5.5
	G1	23	27 (8+7+12)	26 (8+6+12)	26 (7+7+12)		0	3	
	G2	20					0		
	G3	36				0			
	G4	35	32 (18+14)	32 (17+15)			0	2	
	G5	29				0			

- After adding 12 elementary teacher FTE in the district: no change at Family

- Potential class sizes based on enrollment projections at Gilham:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Gilham (15 FTE)	K	64	32	32			1		15
	G1	73	29	29	30		2	1	
	G2	75	30	30	(15+15)		2		
	G3	82	28	27	27		3		
	G4	82	28	27	27		3		
	G5	83	28	28	27		3		

- After adding 12 elementary teacher FTE in the district (1.5 FTE in Gilham):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Gilham (15 + 1.5 FTE)	K	64	22	21	21		1.5		16.5
	G1	73	25	24	24		3		
	G2	75	25	25	25		3		
	G3	82	28	27	27		3		
	G4	82	28	27	27		3		
	G5	83	28	28	27		3		

- Potential class sizes based on enrollment projections at Holt:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Holt (19 FTE)	K	81	21	20	20	20	2		19
	G1	87	29	29	29		3		
	G2	109	28	27	27	27	4		
	G3	93	24	23	23	23	4		
	G4	93	31	31	31		3		
	G5	90	30	30	30		3		

- After adding 12 elementary teacher FTE in the district (0.5 FTE in Holt):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Holt (19 + 0.5 FTE)	K	81	27	27	27		1.5		19.5
	G1	87	29	29	29		3		
	G2	109	28	27	27	27	4		
	G3	93	24	23	23	23	4		
	G4	93	24	23	23	23	4		
	G5	90	30	30	30		3		

- Potential class sizes based on enrollment projections at Howard:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Howard (12 FTE)	K	51	26	25			1		12
	G1	67	23	22	22		3		
	G2	56	28	28			2		
	G3	56	28	28			2		
	G4	58	29	29			2		
	G5	58	29	29			2		

- After adding 12 elementary teacher FTE in the district: no change at Howard

- Potential class sizes based on enrollment projections at McCornack:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
McCornack (12 FTE)	K	54	27	27			1		12
	G1	61	21	20	20		3		
	G2	59	30	29			2		
	G3	58	29	29			2		
	G4	50	25	25			2		
	G5	55	28	27			2		

- After adding 12 elementary teacher FTE in the district: no change at McCornack

- Potential class sizes based on enrollment projections at River Road:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
River Road (12 FTE)	K	61	31	30			1		12
	G1	52	26	26			2		
	G2	70	24	23	23		3		
	G3	59	30	29			2		
	G4	50	25	25			2		
	G5	52	26	26			2		

- After adding 12 elementary teacher FTE in the district (0.5 FTE in River Road):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
River Road (12 + 0.5 FTE)	K	61	21	20	20		1.5		12.5
	G1	52	26	26			2		
	G2	70	24	23	23		3		
	G3	59	30	29			2		
	G4	50	25	25			2		
	G5	52	26	26			2		

- Potential class sizes based on enrollment projections at Spring Creek:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Spring Creek (12.5 FTE)	K	57	19	19	19		1.5		12.5
	G1	61	31	30			2		
	G2	73	25	24	24		3		
	G3	56	28	28			2		
	G4	59	30	29			2		
	G5	55	28	27			2		

- After adding 12 elementary teacher FTE in the district (1 FTE in Spring Creek):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Spring Creek (12.5 + 1 FTE)	K	57	19	19	19		1.5		13.5
	G1	61	21	20	20		3		
	G2	73	25	24	24		3		
	G3	56	28	28			2		
	G4	59	30	29			2		
	G5	55	28	27			2		

- Potential class sizes based on enrollment projections at Twin Oaks:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Twin Oaks (8 FTE)	K	31	16	15			1		8
	G1	32	25	25 (7+18)			1	1	
	G2	48	30				1		
	G3	37	37				1		
	G4	41	26	26			1	1	
	G5	38	27	(15+11)			1		

- After adding 12 elementary teacher FTE in the district (1 FTE in Twin Oaks):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Twin Oaks (8+1 FTE)	K	31	16	15			1		9
	G1	32	32				1		
	G2	48	24	24			2		
	G3	37	24	22 (13+9)			1	2	
	G4	41	24				1		
	G5	38	24			22 (8+14)	1		

- Potential class sizes based on enrollment projections at Willagillespie:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Willagillespie (17.5 FTE)	K	74	25	25	24		1.5		17.5
	G1	86	29	29	28		3		
	G2	75	25	25	25		3		
	G3	86	29	29	28		3		
	G4	97	25	24	24	24	4		
	G5	96	32	32	32		3		

- After adding 12 elementary teacher FTE in the district (1 FTE in Willagillespie):

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
Willagillespie (17.5 + 1 FTE)	K	74	25	25	24		1.5		18.5
	G1	86	29	29	28		3		
	G2	75	25	25	25		3		
	G3	86	29	29	28		3		
	G4	97	25	24	24	24	4		
	G5	96	24	24	24	24	4		

- Potential class sizes based on enrollment projections at YG:

School	Grade	Proj. Enroll.	Class 1	Class 2	Class 3	Class 4	FTE in Grade Classes	FTE in Blends	Total FTE
YG (9.5 FTE)	K	49	17	16	16		1.5		9.5
	G1	62	31	31			2		
	G2	55	28	27			2		
	G3	44	29	28			1	1	
	G4	41	28	(15+13)			1		
	G5	35	35				1		

- After adding 12 elementary teacher FTE in the district: no change at YG

Combined Effect of Adding 12 Teachers

- 10 classes would be of size larger than 30, instead of 40 classes.
- The percentage of classrooms of size 25 or less would increase from 35% to 47%.
- The percentage of students in classrooms of size larger than 30 would drop from 18.8% to 4.6%.
- The number of blends would stay the same, 16. (There were 26 as of 4/1/2014.)
- 1,376 students and 44 teachers would be directly positively impacted by the addition of the 12 teachers.

Class Size	Number of Classrooms		Number of Students		Percentage of Students			
	Projected 2014-15	After Adding 12 Teachers	Projected 2014-15	After Adding 12 Teachers	Projected 2014-15	After Adding 12 Teachers	Projected 2014-15	After Adding 12 Teachers
15	1	1	15	15	0.2	0.2	92 classrooms (35% of the total number) of size 25 or smaller	127 classrooms (47.0% of the total number) of size 25 or smaller
16	3	1	48	16	0.7	0.2		
17	4	0	68	0	1.0	0.0		
18	5	0	90	0	1.3	0.0		
19	7	3	133	57	1.9	0.8		
20	6	6	120	120	1.7	1.7		
21	10	25	210	525	3.0	7.6		
22	5	14	110	308	1.6	4.5		
23	12	18	276	414	4.0	6.0		
24	18	33	432	792	6.3	11.5		
25	21	26	525	650	7.6	9.4	40 classrooms with 1295 students (18.8%) in classes of size larger than 30	10 classrooms with 318 students (4.6%) in classes of size larger than 30
26	15	16	390	416	5.6	6.0		
27	22	31	594	837	8.6	12.1		
28	32	33	896	924	13.0	13.4		
29	36	36	1044	1044	15.1	15.1		
30	22	16	660	480	9.6	7.0		
31	12	5	372	155	5.4	2.2		
32	16	4	512	128	7.4	1.9		
33	4	0	132	0	1.9	0.0		
34	3	0	102	0	1.5	0.0		
35	4	1	140	35	2.0	0.5		
37	1	0	37	0	0.5	0.0		
TOTAL	260	270	6906	6906	100	100		

Number of Blends	
Projected	After Adding 12 Teachers
16	16