MAJOR CHANGES

Changes starting 2015-16 school year are as follows:

Enrollment used for Magnet Centers

 Student Integration Services will be using enrollment numbers captured on January 27, 2015 since this reflects more accurate enrollment data as it takes into account second semester enrollment and determines enrollment for each Magnet program. Magnet programs approved for expansion will have additional seats calculated into their data.

Norm Enrollment Adjustments

The following adjustments will be applied to Norm Enrollment for the 2015-16 school year:

- Students with 13 or more absences in the first five (5) weeks of the 2015-16 instructional calendar
- Students enrolled in more than one (1) school/duplicate students

New Staffing Position Simulator

• A new "Staffing Position Simulator" tool is available of the School Fiscal Services website (*http://sfs.lausd.net/*). In addition to the Norm Teacher count, this tool will now project the number of Counselor, Administrator, and Clerical positions. The purpose of the tool is to provide schools with transparency as to how Norm Teacher counts are calculated based on enrollment, Norm Category, and Affiliated Charter status. Schools can also use the tool to assist with budget planning and development.

Administrators

- The Administrator staffing ranges will be the same as the 2014-15 school year.
- Temporary Adviser, Instructional Specialist (0508): Based on the Memorandum of Understanding between Associated Administrators of Los Angeles (AALA) and the District regarding the consolidation of Assistant Principals and Instructional Specialist classifications, schools no longer have the option to budget the Instructional Specialist position. Therefore, schools will only have the option of budgeting Assistant Principal Positions for the 2015-2016 school year.

Counselors

• The Counselor staffing ranges will be the same as the 2014-15 school year.

Teachers

- The teacher staffing ratios for grades 9-12 will be the same as the 2014-15 school year.
- The teacher staffing ratios for the intensive intervention English Language Arts program (English core class with Literacy for Success [middle school] or Strategic Literacy [high school) will be the same as the 2014-15 school year. Schools implementing this intervention program may request an auxiliary allocation using the "AAL (Accelerating Academic Literacy) Resource Allocation Request 2015-16" form. To receive this allocation prior to the close of FY 2015-16 Budget Development schools must submit the form to Dharma Hernandez, OCISS, by April 24, 2015. Allocation requests will be provided based on projected AAL enrollment and will be finalized based on actual norm day AAL enrollment. A copy of the "AAL Resource Allocation Request 2015-16" is available on School Fiscal Services website (http://sfs.lausd.net/). For additional information, please refer to the memo, Placement Guidelines for Strategic and Intensive Literacy Language Arts Intervention Programs in Grades 6 and 9 for EO, SWD, IFEP, and RFEP Students (memo is currently being revised for 2015-16).
- The teacher staffing ratio to reduce 9th grade English Language Arts and math classes by 2 students will be the same as the 2014-15 school year.

Clerical

• The clerical staffing ranges will be the same as the 2014-15 school year.

Other Resources

• In the continuing effort to improve the District's budgeting process for schools, for the 2015-16 fiscal year resources allocations for Library Media Teacher Differential will be included in the allocation for Program 13027, "General Fund School Program".

- Plant Managers, School Facilities Attendants, and Pool Custodians are day shift employees. If a school needs these positions to work night shift(s), the school is responsible for the additional cost.
- Library Aide position will continue to be paired with another 3 hour Library Aide position.
- Continuing for the 2015-16 fiscal year, resource allocations for Administrators, Teachers, Counselors, Library Media Teacher/Librarian, Psychologists, Nurses, Clerical, Custodial, Financial Mangers, Instructional Materials, Activity Differentials, etc. will be included in the allocation for Program 13027, "General Fund School Program".
 - Schools will receive budgets based on recommended staffing ratios. Schools may realign certain resources to meet their unique needs. Please refer to the "General Fund School Program Manual" which is available on School Fiscal Services website (<u>http://sfs.lausd.net/</u>) for flexibility guidelines.

ADMINISTRATORS

Administrative personnel are allocated based on total school enrollment, including special day program classes (SDP) and magnet center enrollment.

At single track schools the work basis assignment for Principals will be E basis.

At single track schools the work basis assignment for Generic Assistant Principals and Assistant Principal, Secondary Counseling Services will be B basis.

At multi-track year round schools the work basis assignment for Principals, Generic Assistant Principals and Assistant Principal, Secondary Counseling Services will be A basis.

The Generic Assistant Principal position(s) will be included in the discretionary portion of the "General Fund School Program". Please refer to the "General Fund School Program Manual" for flexibility guidelines.

Based on the Memorandum of Understanding between Associated Administrators of Los Angeles (AALA) and the District regarding the consolidation of Assistant Principals and Instructional Specialist classifications, schools no longer have the option to budget the Instructional Specialist positions (Temporary Adviser, Instructional Specialist - 0508). Schools will only have the option of budgeting Assistant Principal Positions for the 2015-2016 school year.

Continuing for the 2015-16 fiscal year, Administrative personnel will be assigned based on the following table:

Enrollment From	Enrollment To	Principal	Asst. Prin. Sec. Counseling Services ¹	Generic Assistant Principal
1	799	1.0	-	-
800	1,354	1.0	1.0	-
1,355	1,749	1.0	1.0	1.0
1,750	2,088	1.0	1.0	2.0
2,089	4,233	1.0	1.0	3.0
4,234	and above	1.0	1.0	4.0

SENIOR HIGH SCHOOL ADMINISTRATIVE STAFFING

¹ Secondary schools with 800 or more students must have either an Asst. Prin. – SCS or equivalent.

Span School Administrative Calculation

- Span school administrative norm allocation is based on the following (weighted average):
 - 1. Determine the percentage enrollment by grade level groupings K-5 and 6-12 to total enrollment.
 - 2. Determine number of administrative norm positions from the individual norm tables based on 100% of enrollment as if site is an elementary school and again based on 100% of enrollment as if site is a secondary school.
 - 3. Multiply the percentage enrollment by grade level groupings from #1 above by the number of positions that result from the individual norm tables from #2 above.
 - 4. Sum the result and round to the nearest full FTE (e.g. 2.49 FTE is rounded to 2.0 FTE; 2.50 FTE is rounded to 3.0 FTE).

COUNSELORS²

PHBAO senior high schools should use Table A and their school-wide enrollment, including special day program classes (SDP) and magnet center enrollment, to determine the number of counseling positions they will receive.

Enrollment From	Enrollment To	Number of Positions
1	345	0.5
346	690	1.0
691	1,380	2.0
1,381	2,070	3.0
2,071	2,760	4.0
2,761	3,450	5.0
3,451	4,140	6.0
4,141	4,830	7.0

Table A							
SENIOR HIGH SCHOOL PHBAO COUNSELOR STAFFING							
Enrollment From	Enrollment To	Number of Positions					

² Starting 2007-08, the following policy for deciding which counseling norm applies to a secondary school with a magnet center or centers where they are not all the same ethnic designation (PHBAO or Desegregated Receiver):

[•] The office of Student Integration Services will calculate total enrollment of the school (regular plus magnet programs) by ethnic group. If the percent Other White is 30% or greater, the school is Desegregated Receiver for the purposes of a school-wide counseling norm. Otherwise, the school is PHBAO for the purposes of a school-wide counseling norm.

Desegregated/Receiver senior high schools should use Table B and their school-wide enrollment, including special day program classes (SDP) and magnet center enrollment, to determine the number of counseling positions they will receive.

		Number of
Enrollment From	Enrollment To	Positions
1	395	0.5
396	790	1.0
791	1,580	2.0
1,581	2,370	3.0
2,371	3,160	4.0
3,161	3,950	5.0
3,951	4,740	6.0
4,471	5,530	7.0

Table B SENIOR HIGH SCHOOL DESEGREGATED/RECEIVER COUNSELOR STAFFING

Span School Counselor Calculation

- Span school counselor norm allocation is based on the following (weighted average):
 - 1. Determine the percentage enrollment by grade level groupings 6-8 and 9-12 to total enrollment.
 - 2. Determine number of counselor norm positions from the individual norm tables based on enrollment in grades 6-12 as if the site is a middle school and again based on enrollment grades 6-12 as if the site is a senior high school.
 - 3. Multiply the percentage enrollment by grade level groupings from #1 above by the number of positions that result from the individual norm tables from #2 above.
 - Sum the result. If the result is greater than 0.5, round to the nearest full FTE (i.e. 2.49 FTE is rounded to 2.0 FTE; 2.50 FTE is rounded to 3.0 FTE). If the result is less than or equal to 0.5, site will be allocated 0.5 FTE counselor.

TEACHERS

- A. Schools identified as PHBAO use Attachment A to determine teacher allocations.
- B. Schools identified as Desegregated/Receiver use Attachment B to determine teacher allocations.
- C. Schools identified as PHBAO Affiliated Charter Schools use Attachment C to determine teacher allocations.
- D. Schools identified as Desegregated/Receiver Affiliated Charter Schools use Attachment D to determine teacher allocations.

The teacher staffing ratios for the intensive intervention English Language Arts program (English core class with Literacy for Success [middle school] or Strategic Literacy [high school) will be the same as the 2014-15 school year. Schools implementing this intervention program may request an auxiliary allocation using the "AAL (Accelerating Academic Literacy) Resource Allocation Request 2015-16" form. To receive an AAL allocation prior to the close of FY 2015-16 Budget Development schools must submit completed forms by email or fax to Dharma Hernandez, Coordinator, Secondary Literacy/Language Arts, <u>dth3022@lausd.net</u> or 213-241-8977, by April 24, 2015. Schools that submit forms by the due date will receive an auxiliary allocation based on projected AAL enrollment prior to the close of FY 2015-16 Budget Development. Auxiliary allocations will be finalized based on actual norm day AAL enrollment. A copy of the "AAL Resource Allocation Request 2015-16" is available on School Fiscal Services website (<u>http://sfs.lausd.net/</u>)

For additional information, please refer to the memo, *Placement Guidelines for Strategic* and Intensive Literacy Language Arts Intervention Programs in Grades 6 and 9 for EO, SWD, IFEP, and RFEP Students (memo is currently being revised for 2015-16).

CLERICAL

Each school receives the number of clerical positions using the staffing tables displayed below based on active enrollment, including special day program classes (SDP) and magnet center enrollment.

Sites do not have flexibility over Modified Consent Decree Clerical Support.

Schools will receive budgets based on recommended staffing ratios. Schools will have the ability to change the budget to align to its unique needs. Please refer to the "General Fund School Program Manual" for flexibility guidelines.

		School	Modified		Total
Enrollment	Enrollment	Admin.	Consent Decree	Additional	Clerical
From	То	Asst.	Support	Clerical Support	Staff
1	550	1.0	0.5	-	1.5
551	700	1.0	0.5	0.5	2.0
701	1,200	1.0	1.0	1.0	3.0
1,201	1,699	1.0	1.0	2.0	4.0
1,700	2,200	1.0	1.0	3.0	5.0
2,201	2,700	1.0	1.0	4.0	6.0
2,701	3,200	1.0	1.0	5.0	7.0
3,201	3,700	1.0	1.0	6.0	8.0
3,701	4,200	1.0	1.0	7.0	9.0
4,201	4,700	1.0	1.0	8.0	10.0
4,701	5,200	1.0	1.0	9.0	11.0
5,201	and above	1.0	1.0	10.0	12.0

Staffing pattern

The typical staffing pattern at senior high school is as follows:

One (1) School Administrative Assistant (Job ID 24102500)

Three (3) Senior Office Technicians (Job ID 24102838)

All other clerical positions - Office Technician(s) (Job ID 24102828)

The work basis assignment for all clerical positions at senior high schools is E basis.

Span School Clerical Calculation

- Span school clerical norm allocation is based on the following (weighted average):
 - 1. Determine the percentage enrollment by grade level groupings K-5 and 6-12 to total enrollment.
 - 2. Determine number of clerical positions from the individual clerical staffing tables based on 100% of enrollment as if site is an elementary school and again based on 100% of enrollment as if site is a secondary school.
 - 3. Multiply the percentage enrollment by grade level groupings from #1 above by the number of positions that result from the individual clerical staffing tables from #2 above.
 - Sum the result. If the result is greater than 1.5, round to the nearest full FTE (e.g. 2.49 FTE is rounded to 2.0; 2.50 FTE is rounded to 3.0 FTE). If the result is less than or equal to 1.50 FTE, the site will be allocated 1.5 FTE clerical staff.



Table 1P: Regular Senior High Schools, Six Period Day, Grades 9-12

Table 1P provide sufficient teachers for a maximum average class size of 42.5 students per class and includes provision for one daily preparation/conference period for each teacher.

ACTIVE E	ACTIVE ENROLLMENT		NUMBER OF	ACTIVE I	ENRO	LLMENT	NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
1	-	40	1	1,321	_	1,355	38
41	-	75	2	1,356	_	1.391	39
76	-	111	3	1,392	-	1.426	40
112	-	146	4	1,427	-	1,462	41
147	-	182	5	1,463	-	1,497	42
183	-	217	6	1,498	-	1,532	43
218	-	252	7	1,533	-	1,568	44
253	-	288	8	1,569	-	1,603	45
289	-	323	9	1,604	-	1,639	46
324	-	359	10	1,640	-	1,674	47
360	-	394	11	1,675	-	1,710	48
395	-	430	12	1,711	-	1,745	49
431	-	465	13	1,746	-	1,780	50
466	-	500	14	1,781	-	1,816	51
501	-	536	15	1,817	-	1,851	52
537	-	571	16	1,852	-	1,887	53
572	-	607	17	1,888	-	1,922	54
608	-	642	18	1,923	-	1,957	55
643	-	677	19	1,958	-	1,993	56
678	-	713	20	1,994	-	2,028	57
714	-	748	21	2,029	-	2,064	58
749	-	784	22	2,065	-	2,099	59
785	-	819	23	2,100	-	2,135	60
820	-	855	24	2,136	-	2,170	61
856	-	890	25	2,171	-	2,205	62
891	-	925	26	2,206	-	2,241	63
926	-	961	27	2,242	-	2,276	64
962	-	996	28	2,277	-	2,312	65
997	-	1,032	29	2,313	-	2,347	66
1.033	-	1.072	30	2,348	-	2,382	67
1.073	-	1,107	31	2,383	-	2,418	68
1,108	-	1,143	32	2,419	-	2,453	69
1,144	-	1,178	33	2,454	-	2,489	70
1,179	-	1,214	34	2,490	-	2,524	71
1,215	-	1,249	35	2,525	-	2,560	72
1,250	-	1,285	36	2,561	-	2,595	73
1,286	-	1,320	37	2,596	-	2,630	74



ACTIVE E	ACTIVE ENROLLMENT		NUMBER OF	ACTIVE I	ENRC	LLMENT	NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
2,631	-	2,666	75	3,800	-	3,835	108
2,667	-	2,701	76	3,836	-	3,870	109
2,702	-	2,737	77	3,871	-	3,905	110
2,738	-	2,772	78	3,906	-	3,941	111
2,773	-	2,807	79	3,942	-	3,976	112
2,808	-	2,843	80	3,977	-	4,012	113
2,844	-	2,878	81	4,013	-	4.047	114
2,879	-	2,914	82	4,048	-	4,082	115
2,915	-	2,949	83	4,083	-	4,118	116
2,950	-	2,985	84	4,119	-	4,153	117
2,986	-	3,020	85	4,154	-	4,189	118
3.021	-	3.055	86	4,190	-	4,224	119
3.056	-	3.091	87	4,225	-	4,260	120
3.092	-	3,126	88	4,261	-	4,295	121
3,127	-	3,162	89	4,296	-	4.330	122
3,163	-	3,197	90	4,331	-	4.366	123
3,198	-	3,232	91	4,367	-	4,401	124
3.233	-	3,268	92	4,402	-	4,437	125
3.269	-	3,303	93	4,438	-	4,472	126
3.304	-	3,339	94	4,473	-	4,507	127
3,340	-	3,374	95	4,508	-	4,543	128
3.375	-	3,410	96	4,544	-	4,578	129
3.411	-	3,445	97	4,579	-	4.614	130
3,446	-	3,480	98	4,615	-	4.649	131
3,481	-	3,516	99	4.650	-	4.685	132
3.517	-	3,551	100	4,686	-	4,720	133
3.552	-	3,587	101	4,721	-	4,755	134
3.588	-	3,622	102	4,756	-	4,791	135
3.623	-	3,657	103	4,792	-	4.826	136
3.658	-	3,693	104	4,827	-	4.862	137
3.694	-	3,728	105	4,863	-	4.897	138
3,729	-	3,764	106	4,898	-	4.932	139
3,765	-	3,799	107	4,933	-	4,968	140

TABLE 1P: Senior High Schools, Six Period Day, Grades 9-12 (continued)



Table 2P: PHBAO Senior High School, Class Size Reduction, Grades 9 and 10

This table provides additional teachers to reduce class size in four academic classes in Grades 9 and 10 only, from student teacher ratio of 42.5:1 to 34.0:1 for schools identified as Predominantly Hispanic, Black, Asian and Other Non-Anglo (PHBAO).

ACTIVE	ACTIVE ENROLLMENT		NUMBER OF	F ACTIVE ENROLLMENT		OLLMENT	NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
1	-	240	1	2,371	-	2,580	12
241	-	460	2	2,581	-	2,790	13
461	-	670	3	2,791	-	3,010	14
671	-	880	4	3,011	-	3,220	15
881	-	1,090	5	3,221	-	3,430	16
1,091	-	1,310	6	3,431	-	3,640	17
1,311	-	1,520	7	3,641	-	3,860	18
1,521	-	1,730	8	3,861	-	4,070	19
1,731	-	1,940	9	4,071	-	4,280	20
1,941	-	2,160	10	4,281	-	4,490	21
2,161	-	2,370	11	4,491	-	4,710	22

Table 3P: Double Block Intensive Intervention English Language Arts Program (Strategic Literacy) at 26:1 for Selected 9th Graders at PHBAO Senior High Schools

LAUSD has authorized a reduced class size, from 42.5:1 to 26:1 for 1 period and 34:1 to 26:1 for an additional period, for 9th graders taking the double block intensive intervention English Language Arts program (Strategic Literacy). This course is to be blocked with the student's regular English course.

ACTIVE EN	JRO	OLLMENT	
FROM		ТО	NUMBER OF TEACHERS
1	-	10	None
11	-	41	1 auxiliary period
42	1	82	2 auxiliary periods
83	-	123	3 auxiliary periods
124	1	164	4 auxiliary periods
165	1	205	1 position
206	-	246	1 position + 1 auxiliary period
247	I	287	1 position + 2 auxiliary periods
288	I	328	1 position + 3 auxiliary periods
329	-	369	1 position + 4 auxiliary periods
370	-	410	2 positions
411	-	451	2 positions + 1 auxiliary period
452	-	492	2 positions + 2 auxiliary periods
493	-	533	2 positions + 3 auxiliary periods
534	-	574	2 positions + 4 auxiliary periods



FROM		ТО	NUMBER OF TEACHERS
575	-	615	3 positions
616	-	656	3 positions + 1 auxiliary period
657	-	697	$\frac{1}{3}$ positions + 2 auxiliary periods
698	-	738	3 positions + 3 auxiliary periods
739	-	779	3 positions + 4 auxiliary periods
780	-	820	4 positions
821	-	861	4 positions + 1 auxiliary period
862	-	902	4 positions + 2 auxiliary periods
903	-	943	4 positions + 3 auxiliary periods
944	-	984	4 positions + 4 auxiliary periods
985	-	1,025	5 positions
1,026	-	1,066	5 positions + 1 auxiliary period
1,067	-	1,107	5 positions + 2 auxiliary periods
1,108	-	1,148	5 positions + 3 auxiliary periods
1,149	-	1,189	5 positions + 4 auxiliary periods
1,190	-	1,230	6 positions
1,231	-	1,271	6 positions + 1 auxiliary period
1,272	-	1,312	6 positions + 2 auxiliary periods
1,313	-	1,353	6 positions + 3 auxiliary periods
1,354	-	1,394	6 positions + 4 auxiliary periods
1,395	-	1,435	7 positions
1,436	-	1,476	7 positions + 1 auxiliary period
1,477	-	1,517	7 positions + 2 auxiliary periods
1,518	-	1,558	7 positions + 3 auxiliary periods
1,559	-	1,599	7 positions + 4 auxiliary periods
1,600	-	1,640	8 positions
1,641	-	1,681	8 positions + 1 auxiliary period
1,682	-	1,722	8 positions + 2 auxiliary periods
1,723	-	1,763	8 positions + 3 auxiliary periods

<u>Table 3P: Double Block Intensive Intervention English Language Arts Program</u> (Strategic Literacy) at 26:1 for Selected 9th Graders at PHBAO Senior High Schools (Continued)

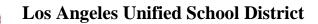




Table 4P: Reduce Class Size from 34:1 to 32:1, One Period, for 9th Grade Students at PHBAO Senior High School

This table provides for a class size reduction from student teacher ratio of 34:1 to 32:1 for one period at PHBAO senior high schools in grade 9

ACTIVE EN	NR (OLLMENT		
FROM TO		ТО	NUMBER OF TEACHERS	
1	I	32	None	
33	33 - 544		1 auxiliary period	
545	545 - 1,088		2 auxiliary periods	
1,089	-	1,632	3 auxiliary periods	



Table 1D: Regular Senior High Schools, Six Period Day, Grades 9-12

Table 1D provide sufficient teachers for a maximum average class size of 42.5 students per class and includes provision for one daily preparation/conference period for each teacher.

ACTIVE E	NRO	OLLMENT	NUMBER OF	ACTIVE	ENRO	LLMENT	NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
1	-	40	1	1,321	_	1,355	38
41	-	75	2	1.356	-	1,391	39
76	-	111	3	1.392	-	1.426	40
112	-	146	4	1,427	_	1,462	41
147	-	182	5	1,463	-	1,497	42
183	-	217	6	1,498	-	1,532	43
218	-	252	7	1,533	-	1,568	44
253	-	288	8	1,569	-	1,603	45
289	-	323	9	1,604	-	1,639	46
324	-	359	10	1,640	-	1,674	47
360	-	394	11	1,675	-	1,710	48
395	-	430	12	1,711	-	1,745	49
431	-	465	13	1,746	-	1,780	50
466	-	500	14	1,781	-	1,816	51
501	-	536	15	1,817	-	1,851	52
537	-	571	16	1,852	-	1,887	53
572	-	607	17	1,888	-	1,922	54
608	-	642	18	1,923	-	1,957	55
643	-	677	19	1,958	-	1,993	56
678	-	713	20	1,994	-	2,028	57
714	-	748	21	2,029	-	2,064	58
749	-	784	22	2,065	-	2,099	59
785	-	819	23	2,100	-	2,135	60
820	-	855	24	2,136	-	2,170	61
856	-	890	25	2,171	-	2,205	62
891	-	925	26	2,206	-	2,241	63
926	-	961	27	2,242	-	2,276	64
962	-	996	28	2,277	-	2,312	65
997	-	1.032	29	2,313	-	2,347	66
1.033	-	1.072	30	2,348	-	2,382	67
1.073	-	1,107	31	2,383	-	2,418	68
1,108	-	1,143	32	2,419	-	2,453	69
1.144	-	1,178	33	2,454	-	2,489	70
1.179	-	1,214	34	2,490	-	2,524	71
1,215	-	1,249	35	2,525	-	2,560	72
1,250	-	1,285	36	2,561	-	2,595	73
1,286	-	1,320	37	2,596	-	2,630	74



ACTIVE E	ACTIVE ENROLLMENT		NUMBER OF	ACTIVE ENROLLMENT			NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
2,631	-	2,666	75	3,800	-	3,835	108
2,667	-	2,701	76	3,836	-	3,870	109
2,702	-	2,737	77	3,871	-	3,905	110
2,738	-	2,772	78	3,906	-	3,941	111
2,773	-	2,807	79	3,942	-	3,976	112
2,808	-	2,843	80	3,977	-	4,012	113
2,844	-	2,878	81	4,013	-	4,047	114
2,879	-	2,914	82	4,048	-	4,082	115
2,915	-	2,949	83	4,083	-	4,118	116
2,950	-	2,985	84	4,119	-	4,153	117
2,986	-	3,020	85	4,154	-	4,189	118
3,021	-	3,055	86	4,190	-	4,224	119
3.056	-	3,091	87	4,225	-	4,260	120
3.092	-	3,126	88	4,261	-	4,295	121
3,127	-	3,162	89	4,296	-	4,330	122
3,163	-	3,197	90	4,331	-	4,366	123
3,198	-	3,232	91	4,367	-	4,401	124
3,233	-	3,268	92	4,402	-	4,437	125
3,269	-	3,303	93	4,438	-	4,472	126
3,304	-	3,339	94	4,473	-	4,507	127
3,340	-	3,374	95	4,508	-	4,543	128
3,375	-	3,410	96	4,544	-	4,578	129
3,411	-	3,445	97	4,579	-	4,614	130
3,446	-	3,480	98	4,615	-	4,649	131
3,481	-	3,516	99	4,650	-	4,685	132
3,517	-	3,551	100	4,686	-	4,720	133
3,552	-	3,587	101	4,721	-	4,755	134
3,588	-	3,622	102	4,756	-	4,791	135
3,623	-	3,657	103	4,792	-	4,826	136
3,658	-	3,693	104	4,827	-	4,862	137
3,694	-	3,728	105	4,863	_	4,897	138
3,729	-	3,764	106	4,898	-	4,932	139
3,765	-	3,799	107	4,933	-	4,968	140

TABLE 1D: Senior High Schools, Six Period Day, Grades 9-12 (continued)



Table 2D: Desegregated/Receiver School, Class Size Reduction, Grades 9 and 10

This table provides additional teachers to reduce class size in four academic classes in Grades 9 and 10 only, from student teacher ratio of 42.5:1 to 39.5:1 for high schools identified as Desegregated/ Receiver.

ACTIVE E	NRC	NUMBER OF	
GRADE	S 9 /	AND 10	ADDITIONAL
FROM		ТО	TEACHERS
1	1	730	1
731	I	1,430	2
1,431	-	2,130	3
2,131	-	2,830	4
2,831	-	3,530	5
3,531	-	4,230	6
4,231	-	4,930	7
4,931	-	5,630	8
5,631	-	6,330	9

Table 3D: Double Block Intensive Intervention English Language Arts Program (Strategic Literacy) at Desegregated/Receiver Senior High Schools

LAUSD has authorized a reduced class size, from 42.5:1 to 26:1 for 1 period and 39.5:1 to 26:1 for an additional period, for 9th graders taking the double block intensive intervention English Language Arts program (Strategic Literacy). This course is to be blocked with the student's regular English course.

ACTIVE EN	IROI	LLMENT	
FROM		ТО	NUMBER OF TEACHERS
1	-	10	None
11	-	36	1 auxiliary period
37	-	72	2 auxiliary periods
73	-	108	3 auxiliary periods
109	-	144	4 auxiliary periods
145	-	180	1 position
181	-	216	1 position + 1 auxiliary period
217	-	252	1 position + 2 auxiliary periods
253	-	288	1 position + 3 auxiliary periods
289	-	324	1 position + 4 auxiliary periods
325	-	360	2 positions
361	-	396	2 positions + 1 auxiliary period
397	-	432	2 positions + 2 auxiliary periods
433	-	468	2 positions + 3 auxiliary periods
469	-	504	2 positions + 4 auxiliary periods
505	_	540	3 positions
541	-	576	3 positions + 1 auxiliary period
577	-	612	3 positions + 2 auxiliary periods



FROM		ТО	NUMBER OF TEACHERS
613	-	648	3 positions + 3 auxiliary periods
649	-	684	
	-		3 positions + 4 auxiliary periods
685	-	720	4 positions
721	-	756	4 positions + 1 auxiliary period
757	-	792	4 positions $+ 2$ auxiliary periods
793	-	828	4 positions + 3 auxiliary periods
829	-	864	4 positions + 4 auxiliary periods
865	-	900	5 positions
901	-	936	5 positions + 1 auxiliary period
937	-	972	5 positions + 2 auxiliary periods
973	-	1,008	5 positions + 3 auxiliary periods
1,009	1	1,044	5 positions + 4 auxiliary periods
1,045	-	1,080	6 positions
1,081	I	1,116	6 positions + 1 auxiliary period
1,117	-	1,152	6 positions + 2 auxiliary periods
1,153	I	1,188	6 positions + 3 auxiliary periods
1,189	-	1,224	6 positions + 4 auxiliary periods
1,225	-	1,260	7 positions
1,261	-	1,296	7 positions + 1 auxiliary period
1,297	1	1,332	7 positions $+ 2$ auxiliary periods
1,333	-	1,368	7 positions + 3 auxiliary periods
1,369	-	1,404	7 positions + 4 auxiliary periods
1,405	I	1,440	8 positions
1,441	-	1,476	8 positions + 1 auxiliary period
1,477	-	1,512	8 positions + 2 auxiliary periods
1,513	-	1,548	8 positions + 3 auxiliary periods

Table 3D: Double Block Intensive Intervention English Language Arts Program (Strategic Literacy) at Desegregated/Receiver Senior High Schools (Continued)



Table 4D: Reduce Class Size from 39.5:1 to 37.5:1, One Period, for 9th Grade Students at Desegregated/Receiver Senior High Schools

This table provides for a class size reduction from student teacher ratio of 39.5:1 to 37.5:1 for one period at Desegregated/Receiver senior high school in grade 9

ACTIVE EN	VR(OLLMENT	
FROM		ТО	NUMBER OF TEACHERS
1	-	37	None
38	-	741	1 auxiliary period
742	-	1,482	2 auxiliary periods



Table 1P1: District Norm Senior High Schools, Six Period Day, Grades 9-12

Table 1P1 provide sufficient teachers for a maximum average class size of 42.5 (District Norm) students per class at Affiliated Charter Schools and includes provision for one daily preparation/conference period for each teacher.

ACTIVE E	ACTIVE ENROLLMENT		NUMBER OF	ACTIVE ENROLLME		LLMENT	NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
1	_	40	1	1,321	-	1,355	38
41	-	75	2	1.356	-	1.391	39
76	-	111	3	1,392	-	1,426	40
112	-	146	4	1,427	-	1,462	41
147	-	182	5	1,463	-	1,497	42
183	-	217	6	1,498	-	1,532	43
218	-	252	7	1,533	-	1,568	44
253	-	288	8	1,569	-	1,603	45
289	-	323	9	1,604	-	1,639	46
324	-	359	10	1,640	-	1,674	47
360	-	394	11	1,675	-	1,710	48
395	-	430	12	1,711	-	1,745	49
431	-	465	13	1,746	-	1,780	50
466	-	500	14	1,781	-	1,816	51
501	-	536	15	1,817	-	1,851	52
537	-	571	16	1,852	-	1,887	53
572	-	607	17	1,888	-	1,922	54
608	-	642	18	1,923	-	1,957	55
643	-	677	19	1,958	-	1,993	56
678	-	713	20	1,994	-	2,028	57
714	-	748	21	2,029	-	2,064	58
749	-	784	22	2,065	-	2,099	59
785	-	819	23	2,100	-	2,135	60
820	-	855	24	2,136	-	2,170	61
856	-	890	25	2,171	-	2,205	62
891	-	925	26	2,206	-	2,241	63
926	-	961	27	2,242	-	2,276	64
962	-	996	28	2,277	-	2,312	65
997	-	1,032	29	2,313	-	2,347	66
1,033	-	1,072	30	2,348	-	2,382	67
1,073	-	1,107	31	2,383	-	2,418	68
1,108	-	1,143	32	2,419	-	2,453	<u>69</u>
1,144	-	1,178	33	2,454	-	2,489	70
1,179	-	1,214	34	2,490	-	2,524	71
1,215	-	1,249	35	2,525	-	2,560	72
1,250	-	1,285	36	2,561	-	2,595	73
1,286	-	1,320	37	2,596	-	2,630	74



TABLE 1P: District Norm Senior High Schools, Six Period Day, Grades 9-12 (continued)

ACTIVE E	ACTIVE ENROLLMENT		NUMBER OF	ACTIVE I	ENRC	DLLMENT	NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
2,631	-	2,666	75	3,800	-	3,835	108
2.667	-	2,701	76	3,836	-	3.870	109
2,702	-	2,737	77	3.871	-	3,905	110
2,738	-	2,772	78	3,906	-	3,941	111
2,773	-	2,807	79	3,942	-	3,976	112
2,808	-	2,843	80	3,977	-	4,012	113
2,844	-	2,878	81	4,013	-	4,047	114
2,879	-	2,914	82	4,048	-	4,082	115
2,915	-	2,949	83	4,083	-	4,118	116
2,950	-	2,985	84	4,119	-	4,153	117
2,986	-	3,020	85	4,154	-	4,189	118
3.021	-	3,055	86	4,190	-	4,224	119
3.056	-	3,091	87	4,225	-	4,260	120
3.092	-	3,126	88	4,261	-	4,295	121
3,127	-	3,162	89	4,296	-	4,330	122
3,163	-	3,197	90	4,331	-	4,366	123
3,198	-	3,232	91	4,367	-	4,401	124
3,233	-	3,268	92	4,402	-	4,437	125
3,269	-	3,303	93	4,438	-	4,472	126
3,304	-	3,339	94	4,473	-	4,507	127
3,340	-	3,374	95	4,508	-	4,543	128
3,375	-	3,410	96	4,544	-	4,578	129
3,411	-	3,445	97	4,579	-	4,614	130
3,446	-	3,480	98	4.615	-	4.649	131
3,481	-	3.516	99	4.650	-	4,685	132
3.517	-	3.551	100	4.686	-	4,720	133
3.552	-	3,587	101	4,721	-	4.755	134
3.588	-	3,622	102	4,756	-	4,791	135
3.623	-	3.657	103	4,792	-	4,826	136
3.658	-	3.693	104	4,827	-	4,862	137
3.694	-	3,728	105	4,863	-	4.897	138
3.729	-	3,764	106	4,898	-	4.932	139
3,765	-	3,799	107	4.933	-	4,968	140



Table 2P1: PHBAO Senior High School, Class Size Reduction to be funded by Charter School Categorical Block Grant, Grades 9 and 10¹

This table provides additional teachers to reduce class size in four academic classes in Grades 9 and 10 only, from student teacher ratio of 42.5:1 to 34.0:1, funded by Charter School Categorical Block Grant for senior high schools identified as Affiliated Charter Predominantly Hispanic, Black, Asian and Other Non-Anglo.

ACTIVE	ACTIVE ENROLLMENT			ACTIVE ENROLLMENT			NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
1	-	240	1	2,371	-	2,580	12
241	-	460	2	2,581	-	2,790	13
461	-	670	3	2,791	-	3.010	14
671	-	880	4	3,011	-	3,220	15
881	-	1,090	5	3,221	-	3,430	16
1,091	-	1,310	6	3,431	-	3,640	17
1,311	-	1,520	7	3,641	-	3,860	18
1,521	-	1,730	8	3,861	-	4.070	19
1,731	-	1,940	9	4,071	-	4,280	20
1,941	-	2,160	10	4,281	-	4,490	21
2,161	-	2,370	11	4,491	-	4,710	22

Table 3P1: Double Block Intensive Intervention English Language Arts Program(Strategic Literacy) at 26:1 for Selected 9th Graders at PHBAO Affiliated Charter
Senior High Schools

LAUSD has authorized a reduced class size, from 42.5:1 to 26:1 for 1 period and 34:1 to 26:1 for an additional period, for 9th graders taking the double block intensive intervention English Language Arts program (Strategic Literacy). This course is to be blocked with the student's regular English course.

ACTIVE EN	ACTIVE ENROLLMENT		
FROM		ТО	NUMBER OF TEACHERS
1	-	10	None
11	-	41	1 auxiliary period
42	-	82	2 auxiliary periods
83	-	123	3 auxiliary periods
124	-	164	4 auxiliary periods
165	-	205	1 position
206	-	246	1 position + 1 auxiliary period
247	-	287	1 position + 2 auxiliary periods
288	-	328	1 position + 3 auxiliary periods

¹ Funding for Targeted Instructional Improvement Block Grant (TIIG) resources for Affiliated Charter School are included in the District's allocation to Affiliated Charter Schools in Program 13724, Charter School Categorical Block Grant. Therefore, Affiliated Charter Schools shall use its Charter School Categorical Block Grant resource allocation to fund integration class size reduction.

Los Angeles Unified School District

ATTACHMENT C – Teacher Norm Tables for Predominantly Hispanic, Black, Asian and Other Non-Anglo (PHBAO) Affiliated Charter Senior High Schools

Table 3P1: Double Block Intensive Intervention English Language Arts Program(Strategic Literacy) at 26:1 for Selected 9th Graders at PHBAO Affiliated CharterSenior High Schools (Continued)

ACTIVE EN	IRC	DLLMENT	
FROM		ТО	NUMBER OF TEACHERS
329	-	369	1 position + 4 auxiliary periods
370	-	410	2 positions
411	-	451	2 positions + 1 auxiliary period
452	-	492	2 positions + 2 auxiliary periods
493	I	533	2 positions + 3 auxiliary periods
534	-	574	2 positions + 4 auxiliary periods
575	-	615	3 positions
616	-	656	3 positions + 1 auxiliary period
657	-	697	3 positions + 2 auxiliary periods
698	-	738	3 positions + 3 auxiliary periods
739	-	779	3 positions + 4 auxiliary periods
780	-	820	4 positions
821	I	861	4 positions + 1 auxiliary period
862	I	902	4 positions + 2 auxiliary periods
903	-	943	4 positions + 3 auxiliary periods
944	-	984	4 positions + 4 auxiliary periods
985	-	1,025	5 positions
1,026	-	1,066	5 positions + 1 auxiliary period
1,067	-	1,107	5 positions + 2 auxiliary periods
1,108	-	1,148	5 positions + 3 auxiliary periods
1,149	-	1,189	5 positions + 4 auxiliary periods
1,190	-	1,230	6 positions
1,231	-	1,271	6 positions + 1 auxiliary period
1,272	١	1,312	6 positions + 2 auxiliary periods
1,313	-	1,353	6 positions + 3 auxiliary periods
1,354	-	1,394	6 positions + 4 auxiliary periods
1,395	-	1,435	7 positions
1,436	-	1,476	7 positions + 1 auxiliary period
1,477	-	1,517	7 positions $+ 2$ auxiliary periods
1,518	-	1,558	7 positions + 3 auxiliary periods
1,559	-	1,599	7 positions + 4 auxiliary periods
1,600	-	1,640	8 positions
1,641	-	1,681	8 positions + 1 auxiliary period
1,682	-	1,722	8 positions + 2 auxiliary periods
1,723	-	1,763	8 positions + 3 auxiliary periods

Subject to change Budget Services & Financial Planning Pa





Table 4P1: Reduce Class Size from 34:1 to 32:1, One Period, for 9th Grade Students at PHBAO Affiliated Charter Senior High Schools

This table provides for a class size reduction from student teacher ratio of 34:1 to 32:1 for one period at PHBAO Affiliated Charter Senior High Schools in grade 9

ACTIVE EN	NRO	OLLMENT	
FROM		ТО	NUMBER OF TEACHERS
1	-	32	None
33	-	544	1 auxiliary period
546	-	1,088	2 auxiliary periods
1,089 - 1,632		1,632	3 auxiliary periods



ATTACHMENT D – Teacher Norm Tables for Desegregated/Receiver Affiliated Charter Senior High Schools

Table 1D1: District Norm Senior High Schools, Six Period Day, Grades 9-12

Table 1D1 provide sufficient teachers for a maximum average class size of 42.5 (District Norm) students per class at Affiliated Charter Schools and includes provision for one daily preparation/conference period for each teacher.

ACTIVE E	NRO	OLLMENT	NUMBER OF	ACTIVE I	ENRO	LLMENT	NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
1	-	40	1	1,321	_	1,355	38
41	-	75	2	1.356	_	1.391	39
76	-	111	3	1,392	-	1,426	40
112	-	146	4	1,427	-	1,462	41
147	-	182	5	1,463	-	1,497	42
183	-	217	6	1,498	-	1,532	43
218	-	252	7	1,533	-	1,568	44
253	-	288	8	1,569	-	1,603	45
289	-	323	9	1,604	-	1,639	46
324	-	359	10	1,640	-	1,674	47
360	-	394	11	1,675	-	1,710	48
395	-	430	12	1,711	-	1,745	49
431	-	465	13	1,746	-	1,780	50
466	-	500	14	1,781	-	1,816	51
501	-	536	15	1,817	-	1,851	52
537	-	571	16	1,852	-	1,887	53
572	-	607	17	1,888	-	1,922	54
608	-	642	18	1,923	-	1,957	55
643	-	677	19	1,958	-	1,993	56
678	-	713	20	1,994	-	2,028	57
714	-	748	21	2,029	-	2,064	58
749	-	784	22	2,065	-	2,099	59
785	-	819	23	2,100	-	2,135	60
820	-	855	24	2,136	-	2,170	61
856	-	890	25	2,171	-	2,205	62
891	-	925	26	2,206	-	2,241	63
926	-	961	27	2,242	-	2,276	64
962	-	996	28	2,277	-	2,312	65
997	-	1,032	29	2,313	-	2,347	66
1,033	-	1,072	30	2,348	-	2,382	67
1,073	-	1,107	31	2,383	-	2,418	68
1,108	-	1,143	32	2,419	-	2,453	69
1,144	-	1,178	33	2,454	-	2,489	70
1,179	-	1,214	34	2,490	-	2,524	71
1,215	-	1,249	35	2,525	-	2,560	72
1,250	-	1,285	36	2,561	-	2,595	73
1,286	-	1,320	37	2,596	-	2,630	74



ATTACHMENT D – Teacher Norm Tables for Desegregated/Receiver Affiliated Charter Senior High Schools

TABLE 1D1: District Norm Senior High Schools, Six Period Day, Grades 9-12 (continued)

ACTIVE E	NRO	OLLMENT	NUMBER OF	ACTIVE I	ENRO	LLMENT	NUMBER OF
FROM		ТО	TEACHERS	FROM		ТО	TEACHERS
2,631	-	2,666	75	3,800	-	3,835	108
2.667	-	2,701	76	3.836	-	3.870	109
2.702	-	2,737	77	3.871	-	3.905	110
2,738	-	2,772	78	3,906	-	3,941	111
2,773	-	2,807	79	3,942	-	3,976	112
2,808	-	2,843	80	3,977	-	4,012	113
2,844	-	2,878	81	4,013	-	4,047	114
2,879	-	2,914	82	4,048	-	4,082	115
2,915	-	2,949	83	4,083	-	4,118	116
2,950	-	2,985	84	4,119	-	4,153	117
2,986	-	3,020	85	4,154	-	4,189	118
3.021	-	3.055	86	4,190	-	4,224	119
3.056	-	3.091	87	4,225	-	4,260	120
3.092	-	3,126	88	4,261	-	4,295	121
3,127	-	3,162	89	4,296	-	4,330	122
3,163	-	3,197	90	4,331	-	4,366	123
3,198	-	3,232	91	4,367	-	4,401	124
3,233	-	3,268	92	4,402	-	4,437	125
3,269	-	3.303	93	4,438	-	4,472	126
3,304	-	3.339	94	4,473	-	4,507	127
3.340	-	3,374	95	4,508	-	4,543	128
3.375	-	3,410	96	4,544	-	4,578	129
3.411	-	3,445	97	4,579	-	4.614	130
3.446	-	3,480	98	4.615	-	4.649	131
3,481	-	3,516	99	4,650	-	4.685	132
3.517	-	3,551	100	4,686	-	4,720	133
3.552	-	3,587	101	4,721	-	4,755	134
3.588	-	3,622	102	4,756	-	4,791	135
3,623	-	3,657	103	4,792	-	4.826	136
3.658	-	3,693	104	4,827	-	4.862	137
3.694	-	3,728	105	4,863	-	4.897	138
3,729	-	3,764	106	4,898	-	4.932	139
3,765	-	3,799	107	4,933	-	4.968	140



ATTACHMENT D – Teacher Norm Tables for Desegregated/Receiver Affiliated Charter Senior High Schools

Table 2D1: Desegregated/Receiver Affiliated Charter Senior High School Class Size Reduction, Grades 9 and 10⁻¹

This table provides additional teachers to reduce class size in four academic classes in Grades 9 and 10 only, from student teacher ratio of 42.5:1 to 39.5:1, funded by Charter School Categorical Block Grant for senior high schools identified as Affiliated Charter Desegregated/ Receiver Affiliated Charter Schools.

ACTIVE E	NRC	NUMBER OF			
GRADE	S 9 /	ADDITIONAL			
FROM		ТО	TEACHERS		
1	I	730	1		
731	I	1,430	2		
1,431	I	2,130	3		
2,131	-	2,830	4		
2,831	-	3,530	5		
3,531	-	4,230	6		
4,231	-	4,930	7		
4,931	-	5,630	8		
5,631	-	6,330	9		

Table 3D1: Double Block Intensive Intervention English Language Arts Program(Strategic Literacy) at 26:1 for Selected 9th Graders at Desegregated/ReceiverAffiliated Charter Senior High Schools

LAUSD has authorized a reduced class size, from 42.5:1 to 26:1 for 1 period and 39.5:1 to 26:1 for an additional period, for 9th graders taking the double block intensive intervention English Language Arts program (Strategic Literacy). This course is to be blocked with the student's regular English course.

ACTIVE ENROLLMENT			
FROM		ТО	NUMBER OF TEACHERS
1	-	10	None
11	-	36	1 auxiliary period
37	-	72	2 auxiliary periods
73	-	108	3 auxiliary periods
109	-	144	4 auxiliary periods
145	-	180	1 position
181	-	216	1 position + 1 auxiliary period
217	-	252	1 position $+ 2$ auxiliary periods
253	-	288	1 position + 3 auxiliary periods
289	-	324	1 position + 4 auxiliary periods

¹ Funding for Targeted Instructional Improvement Block Grant (TIIG) resources for Affiliated Charter School are included in the District's allocation to Affiliated Charter Schools in Program 13724, Charter School Categorical Block Grant. Therefore, Affiliated Charter Schools shall use its Charter School Categorical Block Grant resource allocation to fund integration class size reduction.



ATTACHMENT D – Teacher Norm Tables for Desegregated/Receiver Affiliated Charter Senior High Schools

Table 3D1: Double Block Intensive Intervention English Language Arts Program(Strategic Literacy) at 26:1 for Selected 9th Graders at Desegregated Affiliated Charter SeniorHigh Schools (Continued)

ACTIVE ENROLLMENT		DLLMENT	
FROM		ТО	NUMBER OF TEACHERS
325	-	360	2 positions
361	-	396	2 positions + 1 auxiliary period
397	-	432	2 positions + 2 auxiliary periods
433	1	468	2 positions + 3 auxiliary periods
469	1	504	2 positions + 4 auxiliary periods
505	-	540	3 positions
541	-	576	3 positions + 1 auxiliary period
577	-	612	3 positions + 2 auxiliary periods
613	1	648	3 positions + 3 auxiliary periods
649	1	684	3 positions + 4 auxiliary periods
685	-	720	4 positions
721	-	756	4 positions + 1 auxiliary period
757	1	792	4 positions + 2 auxiliary periods
793	-	828	4 positions + 3 auxiliary periods
829	I	864	4 positions + 4 auxiliary periods
865	-	900	5 positions
901	1	936	5 positions + 1 auxiliary period
937	1	972	5 positions + 2 auxiliary periods
973	I	1,008	5 positions + 3 auxiliary periods
1,009	-	1,044	5 positions + 4 auxiliary periods
1,045	-	1,080	6 positions
1,081	1	1,116	6 positions + 1 auxiliary period
1,117	-	1,152	6 positions + 2 auxiliary periods
1,153	-	1,188	6 positions + 3 auxiliary periods
1,189	-	1,224	6 positions + 4 auxiliary periods
1,225	-	1,260	7 positions
1,261	-	1,296	7 positions + 1 auxiliary period
1,297	-	1,332	7 positions + 2 auxiliary periods
1,333	-	1,368	7 positions + 3 auxiliary periods
1,369	-	1,404	7 positions + 4 auxiliary periods
1,405	-	1,440	8 positions
1,441	-	1,476	8 positions + 1 auxiliary period
1,477	-	1,512	8 positions + 2 auxiliary periods
1,513	-	1,548	8 positions + 3 auxiliary periods



Table 4D1: Reduce Class Size from 39.5:1 to 37.5:1, One Period, for 9th Grade Students at Desegregated/Receiver Affiliated Charter Senior High Schools

This table provides for a class size reduction from student teacher ratio of 39.5:1 to 37.5:1 for one period at Desegregated/Receiver Affiliated Charter Senior High Schools in grade 9

ACTIVE ENROLLMENT				
FROM		ТО	NUMBER OF TEACHERS	
1	-	37	None	
38	-	741	1 auxiliary period	
742	I	1,482	2 auxiliary periods	