



# MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

---

## **MAJOR CHANGES**

- No major changes for FY 2026-27. All middle schools have reached the District target class size effective fiscal year 2025-26. Middle schools will use the same norm tables outlined in the staffing document.

| Type of School                                | Class Size Averages |
|-----------------------------------------------|---------------------|
| PHBAO Grades 6-8 - Academic                   | 25                  |
| Non-PHBAO Grades 6-8 - Academic               | 30.5                |
| PHBAO and Non-PHBAO Grades 6-8 - Non-Academic | 36.25               |

## **GUIDELINES**

### **TEACHERS**

- For Local Control Funding Formula (LCFF) reporting purposes, enumerated below is the determination of the funding or program code to be used for the norm teacher resources generated by the following norm tables:

Appendix 1– Various norm tables for all Middle Schools

Appendix 2 – Various norm tables for the 2017-18 Class Size for all Schools (Base)

- a) The norm teacher resources generated from the 2017-18 class size for grades 6-8 in Appendix 2 (Attachments A to C) will be allocated in program code 11020 (K-12 Norm Teachers).
  - b) The difference between the norm teacher resources generated using the staffing ratios in Appendix 1 (Attachments A to C) and the norm teacher resources generated from the 2017-18 class size for grades 6-8 in Appendix 2 (Attachments A to C) will be allocated in program code 10989 (TSP-CSR Teacher/Librarian).
- Norm Enrollment Adjustments - As in the past, the following adjustments will be applied to Norm Day Enrollment for the 2026-27 school year:
    - Students with more than one enrollment record (duplicate students)
    - Students enrolled in one course only



## MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

---

- The classification report provides counts of students with scheduled class(es) in their school of enrollment. For norm purposes, the classification report counts will be reduced to count only those students who are scheduled in two or more credit-bearing courses. Therefore, school should ensure that each student's complete schedule is entered into MiSiS in time for the Norm capture. Refer to Attachment E for the list of non-credit bearing/zero credit courses.
- Students with 13 absence days or more, from enrollment date through Norm Day
- No Show students (students who are scheduled into classes but have not attended school, i.e., marked absent each day) who were not flagged by the school in MiSiS as No Show by Norm Day data capture will be manually deducted from the school's norm day enrollment count.
- The SDP counts are modified when section assignments for students are different than what is stated in the Individualized Education Programs (IEPs).
- In addition to ensuring that students are both enrolled and scheduled in MiSiS, school must also ensure that students are enrolled in the:
  - Appropriate cost center (i.e., home school versus magnet center or dual language center). Students approved to be enrolled at the magnet center must be enrolled at the magnet center's cost center unless documentation exists to rescind magnet placement.
  - Correct class(es) based on the student's IEP, if applicable.
  - School staff must correct all enrollment errors, including incorrect cost center and class(es), before enrollment counts are captured for Norm Day.
- Secondary SDP Student Count
  - Secondary students with an active Individualized Education Program (IEP) where the Percent Time in Special Ed is 50% or more are counted as SDP in the Classification Report. Moreover, SDP counts are modified when section assignments for students differed than what is stated in the IEPs.
  - The total SDP counts are excluded in the calculation of General education norm teachers.
  - Special education teachers assigned to middle schools based on the number of students with



## MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

---

special needs and their specific disabilities. Refer to Attachment D for the Special Education norm table guide. These class sizes are based on the Los Angeles Unified School District and United Teachers Los Angeles Collective Bargaining Agreement.

- **Staffing Position Simulator**

“Position Simulator (Norm Allocation)” tool is available on the School Fiscal Services website (<https://www.lausd.org/Page/794>). The purpose of this tool is to provide schools with transparency as to how Norm Teacher counts are calculated based on their enrollment, Norm Category, and Affiliated Charter status. In addition to the Norm Teacher count, this tool will also calculate the number of Counselor, Administrator, and Clerical norm positions. Schools can also use the tool to assist with the norm calculation during the budget planning and development.

- After Norm Day, school resources are recalculated based on validated Norm Day enrollment, and schools may experience no change, an increase, or a decrease in resources. For teachers, new positions will be established based on enrollment growth, or existing positions will be closed based on enrollment decline.

FY 2026-27 norm tables for different norm categories reflected on Attachment A, B, and C are based on total school enrollment, net of norm enrollment adjustments and excluding students with an active IEP where the percent time in Special Ed is 50% or more.

- A. Schools identified as Predominantly Hispanic, Black, Asian and Other Non-Anglo Students (PHBAO) use Appendix 1, Attachment A to determine teacher allocations. Schools identified as non-PHBAO use Appendix 1, Attachment B to determine teacher allocations. Affiliated Charter Schools use Appendix 1, Attachment C to determine their teacher allocations.
- B. TIIG class size reduction resources are used to fund the difference between the number of teachers generated from the District Norm Table (Attachment C) and either the PHBAO Norm Table (Attachment A, Table 1P) or the Non-PHBAO Norm Table (Attachment B, Table 1D).
- C. 6th – 8th Grade Dual Language Two-Way Immersion, Dual Language One-Way Immersion, and World Language Immersion Programs.
- D. Continuing for the 2026-27 fiscal year, secondary schools participating in Dual Language Two-Way Immersion, Dual Language One-Way Immersion, and World Language Immersion Programs will receive 6 auxiliary periods per program language.



## MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

---

### PHBAO Affiliated Charter Schools

The number of norm teachers at PHBAO Affiliated Charter Schools that will be funded by Charter School Block Grant is calculated as follows:

- I. Determine the number of teacher positions based on enrollment from Attachment A, Table 1P.
- II. Determine the number of teacher positions based on enrollment from Attachment C, Table 1A.
- III. Subtract the number of teacher positions in Step II from Step I to determine the number of TIIG funded positions. The result is the number of positions that Affiliated Charter Schools that began operation prior to fiscal year 2013-14 will fund from the Charter School Categorical Block Grant



## MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

---

### Non-PHBAO Affiliated Charter Schools

The number of norm teachers at Non-PHBAO Affiliated Charter Schools that will be funded by Charter School Block Grant is calculated as follows:

- I. Determine the number of teacher positions based on enrollment from Attachment B, Table 1D.
- II. Determine the number of teacher positions based on enrollment from Attachment C, Table 1A.
- III. Subtract the number of teacher positions in Step II from Step I to determine the number of TIIG funded positions. The result is the number of positions that Affiliated Charter Schools that began operation prior to fiscal year 2013-14 will fund from the Charter School Categorical Block Grant.

---

<sup>1</sup>Continuing for the 2026-27 fiscal year, funding for Targeted Instructional Improvement Block Grant (TIIG) resources for Affiliated Charter Schools that began operations prior to fiscal year 2013-14 is included in the Charter School Categorical Block Grant. Therefore, these Affiliated Charter Schools are not eligible for class size reduction funded by District TIIG resources (PHBAO or Non-PHBAO). Norm Charts for Affiliated Charter Schools are displayed in Attachment C.

However, Affiliated Charter Schools that started operations in fiscal year 2013-14 and beyond do not receive Charter School Categorical Block Grant allocations. Instead, these schools are eligible for class size reduction funded by District TIIG resources (PHBAO or Non-PHBAO).



## MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

### **ADMINISTRATORS**

- State law stipulates that school districts must maintain a districtwide administrator-to-teacher ratio (ATR) of no more than eight administrators for every 100 teachers (8%). To comply with the state ATR requirements, beginning in the 2024-25 school year, the District will be capping the number of off-norm assistant principal positions based on enrollment ranges.
- The Norm Assistant Principal positions will be allocated in program code 10332 (TSP-Norm AP & APSCS).
- Norm administrative personnel are allocated based on total school-wide enrollment, including special day programs classes (SDP) and magnet center enrollment.
- After Norm Day, school resources are recalculated based on validated Norm Day enrollment, and schools may experience no change, an increase, or a decrease in resources. For norm administrators, new positions will be established based on enrollment growth, or existing positions will be closed based on enrollment decline.

### ***Middle School Administrator Staffing***

| Enrollment From | Enrollment To | Principal | Norm Asst. Prin.<br>Sec.<br>Counseling<br>Services <sup>2</sup> | Generic Norm<br>Assistant<br>Principal | Off-Norm<br>Assistant<br>Principal |
|-----------------|---------------|-----------|-----------------------------------------------------------------|----------------------------------------|------------------------------------|
| 1               | 315           | 1.0       | -                                                               | -                                      |                                    |
| 316             | 699           | 1.0       | -                                                               | -                                      | 1.0                                |
| 700             | 1,354         | 1.0       | 1.0                                                             | -                                      | 1.0                                |
| 1,355           | 1,749         | 1.0       | 1.0                                                             | 1.0                                    | 1.0                                |
| 1,750           | 2,088         | 1.0       | 1.0                                                             | 2.0                                    | 1.0                                |
| 2,089           | 4,233         | 1.0       | 1.0                                                             | 3.0                                    | 1.0                                |

- The allocation of norm administrative position(s) for span schools will be based on the total school-wide enrollment, including transitional kindergarten expansion, special day program classes (SDP), state preschool (SPS), pre-kindergarten special education, magnet center, and dual language center enrollment using the Middle/Senior High School Administrative Staffing table.

<sup>2</sup>Secondary schools with 700 or more students must have either an Asst. Prin. – SCS or equivalent.



## MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

---

### **COUNSELORS**

- The middle school counselor staffing table is updated based on the 2022-25 UTLA Agreement Article XVIII Section 5.0.
- Each middle school receives counseling positions using the staffing table below based on the total school-wide enrollment, including enrollment in special day program classes (SDP) and magnet center.
- After Norm Day, school resources are recalculated based on validated Norm Day enrollment, and schools may experience no change, an increase, or a decrease in resources. For counselors, new positions will be established based on enrollment growth, or existing positions will be closed based on enrollment decline.

**Middle Schools Counselor Staffing  
PHBAO and Non-PHBAO**

| Enrollment From | Enrollment To | Number of Positions |
|-----------------|---------------|---------------------|
| 1               | 350           | 0.5                 |
| 351             | 700           | 1.0                 |
| 701             | 1,200         | 2.0                 |
| 1,201           | 1,700         | 3.0                 |
| 1,701           | 2,200         | 4.0                 |
| 2,201           | 2,700         | 5.0                 |
| 2,701           | 3,200         | 6.0                 |
| 3,201           | 3,700         | 7.0                 |

- Starting FY 2021-22, the allocation of norm counselor positions for span schools is based on the Middle and Senior High School Staffing tables using the total secondary enrollment, including enrollment in special day classes (SDP).
- The secondary counselors at span schools will be allocated in program 14858 (TSP- Norm Counselors).



## MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

### **CLERICAL**

- The middle school clerical staffing table is the same as those in place in 2025-26 school year.
- Each middle school receives the number of clerical positions using the staffing table displayed below based on school-wide total enrollment, including special day program classes (SDP) and magnet center enrollment.
- Starting in 2020-21 fiscal year, the Modified Consent Decree clerical position has been changed to “Special Education Section Clerical Support”. Sites do not have flexibility over this position.
- After Norm Day, school resources are recalculated based on validated Norm Day enrollment, and schools may experience no change, an increase, or a decrease in resources. For clerical support, growth positions are allocated but reductions are not implemented.

### **Middle School Clerical Staffing**

| Enrollment From | Enrollment To | School Admin. Asst. | Special Education Clerical Support | Additional Clerical Support | Total Clerical Staff |
|-----------------|---------------|---------------------|------------------------------------|-----------------------------|----------------------|
| 1               | 700           | 1.0                 | 0.5                                | 0.5                         | 2.0                  |
| 701             | 1,200         | 1.0                 | 1.0                                | 1.0                         | 3.0                  |
| 1,201           | 1,650         | 1.0                 | 1.0                                | 2.0                         | 4.0                  |
| 1,651           | 2,100         | 1.0                 | 1.0                                | 3.0                         | 5.0                  |
| 2,101           | 2,550         | 1.0                 | 1.0                                | 4.0                         | 6.0                  |
| 2,551           | 3,000         | 1.0                 | 1.0                                | 5.0                         | 7.0                  |
| 3,001           | 3,450         | 1.0                 | 1.0                                | 6.0                         | 8.0                  |
| 3,451           | 3,900         | 1.0                 | 1.0                                | 7.0                         | 9.0                  |
| 3,901           | 4,350         | 1.0                 | 1.0                                | 8.0                         | 10.0                 |
| 4,351           | 4,800         | 1.0                 | 1.0                                | 9.0                         | 11.0                 |
| 4,801           | 5,250         | 1.0                 | 1.0                                | 10.0                        | 12.0                 |
| 5,251           | and above     | 1.0                 | 1.0                                | 11.0                        | 13.0                 |





## MIDDLE SCHOOLS STAFFING RATIOS FOR FY 2026-27 DECEMBER 2025

---

- Starting FY 2021-22, the allocation of norm clerical positions for span schools is based on the Middle and Senior High School Staffing tables using the total school-wide enrollment, excluding enrollment in state pre-school. K-8 Span Schools use the Middle School Clerical Staffing table displayed above. 6-12 and K-12 Span Schools use the Senior High School Clerical Staffing table.

### **Staffing pattern**

The typical staffing pattern at middle schools is as follows:

- One (1) School Administrative Assistant (Job ID 24102500)
- Two (2) Senior Office Technicians (Job ID 24102838)
- All other clerical positions - Office Technician(s) (Job ID 2410282)



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT A – Teacher Norm Tables for PHBAO Middle Schools**

**TABLE 1P: PHBAO Middle Schools**

This table provides for an overall teacher ratio of 23.24:1 for schools identified as PHBAO Middle Schools. This overall ratio is based on an average class size of 25:1 in four (4) academic periods and 36.25:1 in two (2) non-academic periods with an average class size of 27.88:1 based on total enrollment in grades 6-8. It includes provision for one daily conference period for each teacher.

| ACTIVE ENROLLMENT |   |     | NUMBER OF<br>TEACHERS | ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS |
|-------------------|---|-----|-----------------------|-------------------|---|-------|-----------------------|
| FROM              |   | TO  |                       | FROM              |   | TO    |                       |
| 1                 | - | 23  | 1                     | 860               | - | 883   | 38                    |
| 24                | - | 46  | 2                     | 884               | - | 906   | 39                    |
| 47                | - | 69  | 3                     | 907               | - | 929   | 40                    |
| 70                | - | 92  | 4                     | 930               | - | 952   | 41                    |
| 93                | - | 116 | 5                     | 953               | - | 975   | 42                    |
| 117               | - | 139 | 6                     | 976               | - | 999   | 43                    |
| 140               | - | 162 | 7                     | 1,000             | - | 1,022 | 44                    |
| 163               | - | 185 | 8                     | 1,023             | - | 1,045 | 45                    |
| 186               | - | 209 | 9                     | 1,046             | - | 1,068 | 46                    |
| 210               | - | 232 | 10                    | 1,069             | - | 1,092 | 47                    |
| 233               | - | 255 | 11                    | 1,093             | - | 1,115 | 48                    |
| 256               | - | 278 | 12                    | 1,116             | - | 1,138 | 49                    |
| 279               | - | 302 | 13                    | 1,139             | - | 1,161 | 50                    |
| 303               | - | 325 | 14                    | 1,162             | - | 1,185 | 51                    |
| 326               | - | 348 | 15                    | 1,186             | - | 1,208 | 52                    |
| 349               | - | 371 | 16                    | 1,209             | - | 1,231 | 53                    |
| 372               | - | 395 | 17                    | 1,232             | - | 1,254 | 54                    |
| 396               | - | 418 | 18                    | 1,255             | - | 1,278 | 55                    |
| 419               | - | 441 | 19                    | 1,279             | - | 1,301 | 56                    |
| 442               | - | 464 | 20                    | 1,302             | - | 1,324 | 57                    |
| 465               | - | 487 | 21                    | 1,325             | - | 1,347 | 58                    |
| 488               | - | 511 | 22                    | 1,348             | - | 1,370 | 59                    |
| 512               | - | 534 | 23                    | 1,371             | - | 1,394 | 60                    |
| 535               | - | 557 | 24                    | 1,395             | - | 1,417 | 61                    |
| 558               | - | 580 | 25                    | 1,418             | - | 1,440 | 62                    |
| 581               | - | 604 | 26                    | 1,441             | - | 1,463 | 63                    |
| 605               | - | 627 | 27                    | 1,464             | - | 1,487 | 64                    |
| 628               | - | 650 | 28                    | 1,488             | - | 1,510 | 65                    |
| 651               | - | 673 | 29                    | 1,511             | - | 1,533 | 66                    |
| 674               | - | 697 | 30                    | 1,534             | - | 1,556 | 67                    |
| 698               | - | 720 | 31                    | 1,557             | - | 1,580 | 68                    |
| 721               | - | 743 | 32                    | 1,581             | - | 1,603 | 69                    |
| 744               | - | 766 | 33                    | 1,604             | - | 1,626 | 70                    |
| 767               | - | 790 | 34                    | 1,627             | - | 1,649 | 71                    |
| 791               | - | 813 | 35                    | 1,650             | - | 1,673 | 72                    |
| 814               | - | 836 | 36                    | 1,674             | - | 1,696 | 73                    |
| 837               | - | 859 | 37                    | 1,697             | - | 1,719 | 74                    |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT B – Teacher Norm Tables for Non-PHBAO Middle Schools**

**TABLE 1D: Non-PHBAO Middle Schools**

This table provides for an overall teacher ratio of 26.84:1 for schools identified as non-PHBAO middle schools. This overall ratio is based on an average class size of 30.5:1 in four (4) academic periods and 36.25:1 in two (2) non-academic periods with an average class size of 32.20:1 based on total enrollment in grades 6-8. It includes provision for one daily conference period for each teacher.

| ACTIVE ENROLLMENT |   |     | NUMBER OF<br>TEACHERS | ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS |
|-------------------|---|-----|-----------------------|-------------------|---|-------|-----------------------|
| FROM              |   | TO  |                       | FROM              |   | TO    |                       |
| 1                 | - | 26  | 1                     | 993               | - | 1,019 | 38                    |
| 27                | - | 53  | 2                     | 1,020             | - | 1,046 | 39                    |
| 54                | - | 80  | 3                     | 1,047             | - | 1,073 | 40                    |
| 81                | - | 107 | 4                     | 1,074             | - | 1,100 | 41                    |
| 108               | - | 134 | 5                     | 1,101             | - | 1,127 | 42                    |
| 135               | - | 161 | 6                     | 1,128             | - | 1,153 | 43                    |
| 162               | - | 187 | 7                     | 1,154             | - | 1,180 | 44                    |
| 188               | - | 214 | 8                     | 1,181             | - | 1,207 | 45                    |
| 215               | - | 241 | 9                     | 1,208             | - | 1,234 | 46                    |
| 242               | - | 268 | 10                    | 1,235             | - | 1,261 | 47                    |
| 269               | - | 295 | 11                    | 1,262             | - | 1,288 | 48                    |
| 296               | - | 322 | 12                    | 1,289             | - | 1,314 | 49                    |
| 323               | - | 348 | 13                    | 1,315             | - | 1,341 | 50                    |
| 349               | - | 375 | 14                    | 1,342             | - | 1,368 | 51                    |
| 376               | - | 402 | 15                    | 1,369             | - | 1,395 | 52                    |
| 403               | - | 429 | 16                    | 1,396             | - | 1,422 | 53                    |
| 430               | - | 456 | 17                    | 1,423             | - | 1,449 | 54                    |
| 457               | - | 483 | 18                    | 1,450             | - | 1,475 | 55                    |
| 484               | - | 509 | 19                    | 1,476             | - | 1,502 | 56                    |
| 510               | - | 536 | 20                    | 1,503             | - | 1,529 | 57                    |
| 537               | - | 563 | 21                    | 1,530             | - | 1,556 | 58                    |
| 564               | - | 590 | 22                    | 1,557             | - | 1,583 | 59                    |
| 591               | - | 617 | 23                    | 1,584             | - | 1,610 | 60                    |
| 618               | - | 644 | 24                    | 1,611             | - | 1,636 | 61                    |
| 645               | - | 670 | 25                    | 1,637             | - | 1,663 | 62                    |
| 671               | - | 697 | 26                    | 1,664             | - | 1,690 | 63                    |
| 698               | - | 724 | 27                    | 1,691             | - | 1,717 | 64                    |
| 725               | - | 751 | 28                    | 1,718             | - | 1,744 | 65                    |
| 752               | - | 778 | 29                    | 1,745             | - | 1,771 | 66                    |
| 779               | - | 805 | 30                    | 1,772             | - | 1,797 | 67                    |
| 806               | - | 831 | 31                    | 1,798             | - | 1,824 | 68                    |
| 832               | - | 858 | 32                    | 1,825             | - | 1,851 | 69                    |
| 859               | - | 885 | 33                    | 1,852             | - | 1,878 | 70                    |
| 886               | - | 912 | 34                    | 1,879             | - | 1,905 | 71                    |
| 913               | - | 939 | 35                    | 1,906             | - | 1,932 | 72                    |
| 940               | - | 966 | 36                    | 1,933             | - | 1,958 | 73                    |
| 967               | - | 992 | 37                    | 1,959             | - | 1,985 | 74                    |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT C – Teacher Norm Tables for Affiliated Charter Middle Schools**

**TABLE 1A: Affiliated Charter Middle Schools**

This table provides an overall teacher ratio of 28.64:1 for schools identified as Affiliated Charter middle schools. This overall ratio is based on an average class size of 33.50:1 in four (4) academic periods and 36.25:1 in two (2) non-academic periods with an average class size of 34.37 based on total enrollment in grades 6-8. It includes provision for one daily conference period for each teacher.

| ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS | ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS |
|-------------------|---|-------|-----------------------|-------------------|---|-------|-----------------------|
| FROM              |   | TO    |                       | FROM              |   | TO    |                       |
| 1                 | - | 28    | 1                     | 1,060             | - | 1,088 | 38                    |
| 29                | - | 57    | 2                     | 1,089             | - | 1,116 | 39                    |
| 58                | - | 85    | 3                     | 1,117             | - | 1,145 | 40                    |
| 86                | - | 114   | 4                     | 1,146             | - | 1,174 | 41                    |
| 115               | - | 143   | 5                     | 1,175             | - | 1,202 | 42                    |
| 144               | - | 171   | 6                     | 1,203             | - | 1,231 | 43                    |
| 172               | - | 200   | 7                     | 1,232             | - | 1,260 | 44                    |
| 201               | - | 229   | 8                     | 1,261             | - | 1,288 | 45                    |
| 230               | - | 257   | 9                     | 1,289             | - | 1,317 | 46                    |
| 258               | - | 286   | 10                    | 1,318             | - | 1,346 | 47                    |
| 287               | - | 315   | 11                    | 1,347             | - | 1,374 | 48                    |
| 316               | - | 343   | 12                    | 1,375             | - | 1,403 | 49                    |
| 344               | - | 372   | 13                    | 1,404             | - | 1,432 | 50                    |
| 373               | - | 400   | 14                    | 1,433             | - | 1,460 | 51                    |
| 401               | - | 429   | 15                    | 1,461             | - | 1,489 | 52                    |
| 430               | - | 458   | 16                    | 1,490             | - | 1,517 | 53                    |
| 459               | - | 486   | 17                    | 1,518             | - | 1,546 | 54                    |
| 487               | - | 515   | 18                    | 1,547             | - | 1,575 | 55                    |
| 516               | - | 544   | 19                    | 1,576             | - | 1,603 | 56                    |
| 545               | - | 572   | 20                    | 1,604             | - | 1,632 | 57                    |
| 573               | - | 601   | 21                    | 1,633             | - | 1,661 | 58                    |
| 602               | - | 630   | 22                    | 1,662             | - | 1,689 | 59                    |
| 631               | - | 658   | 23                    | 1,690             | - | 1,718 | 60                    |
| 659               | - | 687   | 24                    | 1,719             | - | 1,747 | 61                    |
| 688               | - | 716   | 25                    | 1,748             | - | 1,775 | 62                    |
| 717               | - | 744   | 26                    | 1,776             | - | 1,804 | 63                    |
| 745               | - | 773   | 27                    | 1,805             | - | 1,833 | 64                    |
| 774               | - | 801   | 28                    | 1,834             | - | 1,861 | 65                    |
| 802               | - | 830   | 29                    | 1,862             | - | 1,890 | 66                    |
| 831               | - | 859   | 30                    | 1,891             | - | 1,918 | 67                    |
| 860               | - | 887   | 31                    | 1,919             | - | 1,947 | 68                    |
| 888               | - | 916   | 32                    | 1,948             | - | 1,976 | 69                    |
| 917               | - | 945   | 33                    | 1,977             | - | 2,004 | 70                    |
| 946               | - | 973   | 34                    | 2,005             | - | 2,033 | 71                    |
| 974               | - | 1,002 | 35                    | 2,034             | - | 2,062 | 72                    |
| 1,003             | - | 1,031 | 36                    | 2,063             | - | 2,090 | 73                    |
| 1,032             | - | 1,059 | 37                    | 2,091             | - | 2,119 | 74                    |



# Los Angeles Unified School District

## APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS

### ATTACHMENT D – Special Education Norm Table Guide

These do not include Related Services and their required teacher ratios.

| Acronym                                                 | Name                                                      | Teacher Norm<br>for Students Up<br>to 8 Years Old | Teacher Norm<br>for Students 9<br>Years Old &<br>Above | Notes                                                                                                               |
|---------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| AUT A                                                   | Autism – Alternate Curriculum                             | 6                                                 | 6                                                      |                                                                                                                     |
| AUT C                                                   | Autism – General Education Curriculum                     | 9                                                 | 9                                                      |                                                                                                                     |
| DHH                                                     | Deaf and Hard of Hearing                                  | 6                                                 | 8                                                      |                                                                                                                     |
| ED                                                      | Emotional Disturbance                                     | 8                                                 | 8                                                      |                                                                                                                     |
| IDM                                                     | Intellectual Disability Moderate                          | 12                                                | 12                                                     |                                                                                                                     |
| IDS                                                     | Intellectual Disability Severe                            | 10                                                | 10                                                     |                                                                                                                     |
| MD                                                      | Multiple Disabilities                                     | 8                                                 | 8                                                      |                                                                                                                     |
| PAL                                                     | Preschool for All Learners                                | 10                                                | -                                                      |                                                                                                                     |
| PAL/CC                                                  | Preschool for All Learners Collaborative Classroom        | 10                                                | -                                                      | Part of instructional day is spent with 14-24 GE students and 1 GE teacher                                          |
| PCC                                                     | Preschool Collaborative Classroom Early Education Centers | 10                                                | -                                                      | Also 1 GE Teacher, only at EECs.                                                                                    |
| PSC                                                     | Preschool Comprehensive Program                           | 8                                                 | -                                                      |                                                                                                                     |
| RSP                                                     | Resource Specialist Program                               | 28                                                | 28                                                     |                                                                                                                     |
| SDP/ALT                                                 | Special Day Program-Alternative Curriculum                | 9                                                 | 9                                                      |                                                                                                                     |
| SDP/CORE                                                | Special Day Program-General Education Curriculum          | 12                                                | 12                                                     |                                                                                                                     |
| SLD                                                     | Specific Learning Disability                              | 12                                                | 12                                                     |                                                                                                                     |
| TK/CC                                                   | Transitional Kindergarten Collaborative Classroom         | 8                                                 | -                                                      | Total class norms at 20, including students with disabilities. Also receives 1 GE teacher, formerly known as UTK/CC |
| VI                                                      | Visually Impaired                                         | 6                                                 | 8                                                      |                                                                                                                     |
| Special Education Centers and Career Transition Centers |                                                           | 10                                                | 10                                                     |                                                                                                                     |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT E – List of Non-Credit Bearing/Zero Credit Courses**

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>      |
|----------------------|-------------------------|
| 102311               | *G-English A            |
| 102311H              | H *G-English A          |
| 102312               | *G-English B            |
| 102312H              | H *G-English B          |
| 102313               | *G-ESL/ELD A            |
| 102313H              | H *G-ESL/ELD A          |
| 102314               | *G-ESL/ELD B            |
| 102314H              | H *G-ESL/ELD B          |
| 102351               | *B-English A            |
| 102351H              | H *B-English A          |
| 102352               | *B-English B            |
| 102352H              | H *B-English B          |
| 102353               | *B-ESL/ELD A            |
| 102353H              | H *B-ESL/ELD A          |
| 102354               | *B-ESL/ELD B            |
| 102354H              | H *B-ESL/ELD B          |
| 102551               | *E-Lote 1 A             |
| 102551H              | H *E-Lote 1 A           |
| 102552               | *E-Lote 1 B             |
| 102552H              | H *E-Lote 1 B           |
| 102553               | *E-Lote 2 A             |
| 102553H              | H *E-Lote 2 A           |
| 102554               | *E-Lote 2 B             |
| 102554H              | H *E-Lote 2 B           |
| 102555               | *E-Lote 3 A             |
| 102555H              | H *E-Lote 3 A           |
| 102556               | *E-Lote 3 B             |
| 102556H              | H *E-Lote 3 B           |
| 102557               | *E-Lote 4 A             |
| 102557H              | H *E-Lote 4 A           |
| 102558               | *E-Lote 4 B             |
| 102558H              | H *E-Lote 4 B           |
| 102505               | LOTE BILIT EXAM-OTHER   |
| 102511               | LOTE BILIT EXAM-SPANISH |
| 102512               | LOTE BILIT EXAM-FRENCH  |

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>       |
|----------------------|--------------------------|
| 102513               | LOTE BILIT EXAM-KOREAN   |
| 102514               | LOTE BILIT EXAM-MANDARIN |
| 102515               | LOTE BILIT EXAM-ARMENIAN |
| 102516               | LOTE BILIT EXAM-FILIPINO |
| 102517               | LOTE BILIT EXAM-ITALIAN  |
| 102518               | LOTE BILIT EXAM-ASL      |
| 102519               | LOTE BILIT EXAM-RUSSIAN  |
| 102520               | LOTE BILIT EXAM-ARABIC   |
| 102521               | LOTE BILIT EXAM-JAPANESE |
| 102601               | *G-Other                 |
| 102601H              | H *G-Other               |
| 103011               | *G-Interdisciplinary A   |
| 103011H              | H *G-Interdisciplinary A |
| 103012               | *G-Interdisciplinary B   |
| 103012H              | H *G-Interdisciplinary B |
| 103111               | *G-Mathematics A         |
| 103111H              | H *G-Mathematics A       |
| 103112               | *G-Mathematics B         |
| 103112H              | H *G-Mathematics B       |
| 103113               | *G-Math-Computer Sci     |
| 103113H              | H *G-Math-Computer Sci   |
| 103114               | *G-Math-Computer Sci     |
| 103114H              | H *G-Math-Computer Sci   |
| 103149               | ALGEBRA 2A WAIVER        |
| 103150               | ALGEBRA 2B WAIVER        |
| 103151               | *C-Algebra 1 A           |
| 103151H              | H *C-Algebra 1 A         |
| 103152               | *C-Algebra 1 B           |
| 103152H              | H *C-Algebra 1 B         |
| 103153               | *C-Geometry A            |
| 103153H              | H *C-Geometry A          |
| 103154               | *C-Geometry B            |
| 103154H              | H *C-Geometry B          |
| 103155               | *C-Algebra 2 A           |
| 103155H              | H *C-Algebra 2 A         |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT E – List of Non-Credit Bearing/Zero Credit Courses**

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>     |
|----------------------|------------------------|
| 103156               | *C-Algebra 2 B         |
| 103156H              | H *C-Algebra 2 B       |
| 103157               | *C-Statistics A        |
| 103157H              | H *C-Statistics A      |
| 103158               | *C-Statistics B        |
| 103158H              | H *C-Statistics B      |
| 103159               | *C-Alg 2/Trig A        |
| 103159H              | H *C-Alg 2/Trig A      |
| 103160               | *C-Alg 2/Trig B        |
| 103160H              | H *C-Alg 2/Trig B      |
| 103161               | *C-Adv Math A          |
| 103161H              | H *C-Adv Math A        |
| 103162               | *C-Adv Math B          |
| 103162H              | H *C-Adv Math B        |
| 103163               | *C-Integr Math I A     |
| 103163H              | H *C-Integr Math I A   |
| 103164               | *C-Integr Math I B     |
| 103164H              | H *C-Integr Math I B   |
| 103165               | *C-Integr Math II A    |
| 103165H              | H *C-Integr Math II A  |
| 103166               | *C-Integr Math II B    |
| 103166H              | H *C-Integr Math II B  |
| 103167               | *C-Integr Math III A   |
| 103167H              | H *C-Integr Math III A |
| 103168               | *C-Integr Math III B   |
| 103168H              | H *C-Integr Math III B |
| 103169               | *C-Computer Sci A      |
| 103169H              | H *C-Computer Sci A    |
| 103170               | *C-Computer Sci B      |
| 103170H              | H *C-Computer Sci B    |
| 103171               | *C-Pre-Calculus A      |
| 103171H              | H *C-Pre-Calculus A    |
| 103172               | *C-Pre-Calculus B      |
| 103172H              | H *C-Pre-Calculus B    |
| 103173               | *C-Calculus A          |
| 103173H              | H *C-Calculus A        |

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>      |
|----------------------|-------------------------|
| 103174               | *C-Calculus B           |
| 103174H              | H *C-Calculus B         |
| 103611               | *G-Biological Sci A     |
| 103611H              | H *G-Biological Sci A   |
| 103612               | *G-Biological Sci B     |
| 103612H              | H *G-Biological Sci B   |
| 103613               | *G-Physical Sci A       |
| 103613H              | H *G-Physical Sci A     |
| 103614               | *G-Physical Sci B       |
| 103614H              | H *G-Physical Sci B     |
| 103615               | *G-Integrated Sci A     |
| 103615H              | H *G-Integrated Sci A   |
| 103616               | *G-Integrated Sci B     |
| 103616H              | H *G-Integrated Sci B   |
| 103651               | *D-Biological Sci A     |
| 103651H              | H *D-Biological Sci A   |
| 103652               | *D-Biological Sci B     |
| 103652H              | H *D-Biological Sci B   |
| 103653               | *D-Chemistry A          |
| 103653H              | H *D-Chemistry A        |
| 103654               | *D-Chemistry B          |
| 103654H              | H *D-Chemistry B        |
| 103655               | *D-Physics A            |
| 103655H              | H *D-Physics A          |
| 103656               | *D-Physics B            |
| 103656H              | H *D-Physics B          |
| 103657               | *D-Integrated Sci A     |
| 103657H              | H *D-Integrated Sci A   |
| 103658               | *D-Integrated Sci B     |
| 103658H              | H *D-Integrated Sci B   |
| 103659               | *D-Computer Sci A       |
| 103659H              | H *D-Computer Sci A     |
| 103660               | *D-Computer Sci B       |
| 103660H              | H *D-Computer Sci B     |
| 103661               | *D-Bio/Earth&Sp Sci A   |
| 103661H              | H *D-Bio/Earth&Sp Sci A |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT E – List of Non-Credit Bearing/Zero Credit Courses**

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>       |
|----------------------|--------------------------|
| 103662               | *D-Bio/Earth&Sp Sci B    |
| 103662H              | H *D-Bio/Earth&Sp Sci B  |
| 103663               | *D-Chem/Earth&Sp Sci A   |
| 103663H              | H *D-Chem/Earth&Sp Sci A |
| 103664               | *D-Chem/Earth&Sp Sci B   |
| 103664H              | H *D-Chem/Earth&Sp Sci B |
| 103665               | *D-Phys/Earth&Sp Sci A   |
| 103665H              | H *D-Phys/Earth&Sp Sci A |
| 103666               | *D-Phys/Earth&Sp Sci B   |
| 103666H              | H *D-Phys/Earth&Sp Sci B |
| 103667               | *D-Earth&Space Sci A     |
| 103667H              | H *D-Earth&Space Sci A   |
| 103668               | *D-Earth&Space Sci B     |
| 103668H              | H *D-Earth&Space Sci B   |
| 103669               | *D-Applied Sci A         |
| 103669H              | H *D-Applied Sci A       |
| 103670               | *D-Applied Sci B         |
| 103670H              | H *D-Applied Sci B       |
| 103671               | *D-Engineering A         |
| 103671H              | H *D-Engineering A       |
| 103672               | *D-Engineering B         |
| 103672H              | H *D-Engineering B       |
| 103711               | *G-Hist/SocSci A         |
| 103711H              | H *G-Hist/SocSci A       |
| 103712               | *G-Hist/SocSci B         |
| 103712H              | H *G-Hist/SocSci B       |
| 103751               | *A-Am Govt&Civ A         |
| 103751H              | H *A-Am Govt&Civ A       |
| 103752               | *A-Am Govt&Civ B         |
| 103752H              | H *A-Am Govt&Civ B       |
| 103753               | *A-US History A          |
| 103753H              | H *A-US History A        |
| 103754               | *A-US History B          |
| 103754H              | H *A-US History B        |
| 103755               | * A-WldHstGeo&Cul A      |
| 103755H              | H * A-WldHstGeo&Cul A    |

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>    |
|----------------------|-----------------------|
| 103756               | * A-WldHstGeo&Cul B   |
| 103756H              | H * A-WldHstGeo&Cul B |
| 103811               | *G-Vis&Perf Arts A    |
| 103811H              | H *G-Vis&Perf Arts A  |
| 103812               | *G-Vis&Perf Arts B    |
| 103812H              | H *G-Vis&Perf Arts B  |
| 103851               | *F-Theater A          |
| 103851H              | H *F-Theater A        |
| 103852               | *F-Theater B          |
| 103852H              | H *F-Theater B        |
| 103853               | *F-Music A            |
| 103853H              | H *F-Music A          |
| 103854               | *F-Music B            |
| 103854H              | H *F-Music B          |
| 103855               | *F-Interdisc Arts A   |
| 103855H              | H *F-Interdisc Arts A |
| 103856               | *F-Interdisc Arts B   |
| 103856H              | H *F-Interdisc Arts B |
| 103857               | *F-Visual Arts A      |
| 103857H              | H *F-Visual Arts A    |
| 103858               | *F-Visual Arts B      |
| 103858H              | H *F-Visual Arts B    |
| 103859               | *F-Dance A            |
| 103859H              | H *F-Dance A          |
| 103860               | *F-Dance B            |
| 103860H              | H *F-Dance B          |
| 105010               | *Adult Class          |
| 107018               | *Col Comp Sci         |
| 107020               | *Col Art              |
| 107021               | *Col Business         |
| 107023               | *Col English          |
| 107025               | *Col For Lang         |
| 107031               | *Col Math             |
| 107032               | *Col Music Th         |
| 107033               | *Col PE               |
| 107036               | *Col Bio Scien        |





**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT E – List of Non-Credit Bearing/Zero Credit Courses**

---

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>          |
|----------------------|-----------------------------|
| 107037               | *Col Soc Scien              |
| 107038               | *Col Vis/Perf               |
| 107336               | *Col Phys Sci               |
| 109901               | GENERIC                     |
| 109903               | STAR ASSESSMENT             |
| 110166               | GRADE 6                     |
| 122317               | MS ELD ST                   |
| 180100               | COMPUTER SCI                |
| 200100               | ART                         |
| 210100               | BUSINESS                    |
| 230100               | ENGLISH                     |
| 250100               | FOREIGN LANG                |
| 250201               | LOTE 1 TEST                 |
| 250202               | LOTE 2 TEST                 |
| 250203               | LOTE 3 TEST                 |
| 250204               | LOTE 4 TEST                 |
| 251140               | BILT AWRD ARAB              |
| 251197               | LOTE 2 ARABIC WAIVER A      |
| 251198               | LOTE 2 ARABIC WAIVER B      |
| 252040               | BILT AWARD ASL              |
| 252097               | LOTE 2 AM SIGN LNG WAIVER A |
| 252098               | LOTE 2 AM SIGN LNG WAIVER B |
| 252540               | BILT AWRD MAN               |
| 252597               | LOTE 2 MAND WAIVER A        |
| 252598               | LOTE 2 MAND WAIVER B        |
| 253540               | BILT AWRD FRE               |
| 253597               | LOTE 2 FRENCH WAIVER A      |
| 253598               | LOTE 2 FRENCH WAIVER B      |
| 253740               | BILT AWRD GER               |
| 253797               | LOTE 2 GERMAN WAIVER A      |
| 253798               | LOTE 2 GERMAN WAIVER B      |
| 254197               | LOTE 2 HEBREW WAIVER A      |
| 254198               | LOTE 2 HEBREW WAIVER B      |
| 254340               | BILT AWRD ITAL              |
| 254397               | LOTE 2 ITALIAN WAIVER A     |
| 254398               | LOTE 2 ITALIAN WAIVER B     |

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>      |
|----------------------|-------------------------|
| 254540               | BILT AWRD JAPANESE      |
| 254597               | LOTE 2 JAPAN WAIVER A   |
| 254598               | LOTE 2 JAPAN WAIVER B   |
| 254840               | BILT AWRD LAT           |
| 254940               | BILT AWRD KOR           |
| 254997               | LOTE 2 KOREAN WAIVER A  |
| 254998               | LOTE 2 KOREAN WAIVER B  |
| 255540               | BILT AWRD RUS           |
| 255597               | LOTE 2 RUSSIAN WAIVER A |
| 255598               | LOTE 2 RUSSIAN WAIVER B |
| 256040               | BILT AWRD SPAN          |
| 256097               | LOTE 2 SPANISH WAIVER A |
| 256098               | LOTE 2 SPANISH WAIVER B |
| 259040               | BILT ARWD OTHR          |
| 259997               | LOTE 2 OTHER WAIVER A   |
| 259998               | LOTE 2 OTHER WAIVER B   |
| 269948               | HEALTH ALT              |
| 305074               | ED/CAREER PLAN          |
| 305075               | HS EQUIV TEST STRATEG   |
| 305077               | HS EQUIV TEST PREP      |
| 305080               | STEP OUT                |
| 305094               | HS EQUIV TEST PREP DNL  |
| 310100               | MATHEMATICS             |
| 310339H              | H ACC CC ALG 1A         |
| 310341               | CC ALGEBRA 1            |
| 310341C              | CC ALGEBRA 1            |
| 310341H              | H CC ALGEBRA 1          |
| 319407               | CC ALG 1 EDG            |
| 320100               | MUSIC                   |
| 330009               | PE ELEM 6 ITINERANT     |
| 330100               | PHYSICAL ED             |
| 331101               | PHYS ACT LOG 4X4        |
| 339901               | PE WAIVER DR            |
| 339949               | PE REQUIRE MET          |
| 360700               | BIO SCIENCE             |
| 361300               | PHYS SCIENCE            |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT E – List of Non-Credit Bearing/Zero Credit Courses**

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>           |
|----------------------|------------------------------|
| 370100               | SOCIAL SCIENCE               |
| 380100               | VIS/PERF ARTS                |
| 420103               | HOMEROOM                     |
| 421106               | MS SUM ENRICH GR 6 VRTL      |
| 421107               | MS SUM ENRICH GR 7 VRTL      |
| 421108               | MS SUM ENRICH GR 8 VRTL      |
| 421109               | MS SUM ENRICH GR 6-8 VRTL    |
| 421111               | DIG TOOLS FOR LRNG GR 6-8    |
| 421126               | MIGRANT ED MS PH             |
| 421127               | MIGRANT ED HS PH             |
| 421135               | MIGRANT ED MS VRTL PH        |
| 421136               | MIGRANT ED HS VRTL PH        |
| 421814               | GR 6-8 MATH GAMES ENR ST     |
| 421815               | GR 6-8 CODE STORY SCI ENR ST |
| 421824               | GR 6-8 CODE WITH ME ST       |
| 421827               | GR 6-8 GAME BSD LRNG ST      |
| 421828               | GR 9-12 GAME BSD LRNG ST     |
| 421837               | GR 6-8 COMP SCI PROG ENR     |
| 421840               | INTRO TO AI ENR              |
| 421841               | AI IS GOOD                   |
| 421843               | COMPUTER SCI CLUB MS         |
| 421844               | COMPUTER SCI CLUB HS         |
| 421846               | ESPORTS CLUB MS              |
| 421847               | ESPORTS CLUB HS              |
| 421849               | ENRICHCAMP ESPORTS MS        |
| 421916               | CBZ REBOOT DANCE ENR         |
| 421917               | ENRICHCAMP CAREER EX MS      |
| 421918               | ENRICHCAMP BRDGAMES MS       |
| 422008               | MS ANIMATION ENRICH          |
| 422011               | MS DIG ART SUST FUT ENR      |
| 422014               | MS WARNER STORY LAB          |
| 422016               | MS ALL YOU CAN ART           |
| 422018               | ENRICHCAMP ART MS            |
| 422019               | ENRICHCAMP ART HS            |
| 422316               | MS GR 6 ELA PREP ST BLND     |
| 422317               | MS GR 7 ELA PREP ST BLND     |

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>          |
|----------------------|-----------------------------|
| 422318               | MS GR 8 ELA PREP ST BLND    |
| 422326               | MS GR 6 ELA PREP ST VRTL    |
| 422327               | MS GR 7 ELA PREP ST VRTL    |
| 422328               | MS GR 8 ELA PREP ST VRTL    |
| 422332               | MS MY VOICE MY FUTURE ST    |
| 422333               | MS PEER DEBATES             |
| 422335               | HS PEER DEBATES             |
| 422356               | MS SF LIT INTVN             |
| 422357               | MS SF NUM INTVN             |
| 422358               | HS SF LIT INTVN             |
| 422359               | HS SF NUM INTVN             |
| 422366               | MS DF LIT INTVN             |
| 422408               | MS ENV SCI ENRICH ST        |
| 422608               | MS SCI OF FOOD ENRICH ST    |
| 422610               | HS SCI OF FOOD ENRICH ST    |
| 422708               | MS SPORTS MED ENRICH ST     |
| 422710               | HS SPORTS MED ENRICH ST     |
| 423116               | MS GR 6 MATH PREP ST BLND   |
| 423117               | MS GR 7 MATH PREP ST BLND   |
| 423118               | MS GR 8 MATH PREP ST BLND   |
| 423123               | MS JO BOALER MATH CAMP      |
| 423126               | MS GR 6 MATH PREP ST VRTL   |
| 423127               | MS GR 7 MATH PREP ST VRTL   |
| 423128               | MS GR 8 MATH PREP ST VRTL   |
| 423129               | MS MATH SKILLS              |
| 423132               | GR 6-8 FINANCIAL LIT ENR ST |
| 423133               | HS FIN LIT DIG WLD ST       |
| 423134               | FINANCIAL LIT               |
| 423222               | GUITAR CON ENR              |
| 423223               | ELECTRIC GUITAR CON ENR     |
| 423224               | ELECTRIC BASS CON ENR       |
| 423225               | UKELELE CON ENR             |
| 423304               | GR 6-8 MIND STAY FIT ST     |
| 423305               | GR 9-12 MIND STAY FIT ST    |
| 423308               | MS WELL MIND & BODY         |
| 423310               | ENRICHCAMP SWIM HS          |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT E – List of Non-Credit Bearing/Zero Credit Courses**

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>           |
|----------------------|------------------------------|
| 423608               | MS SPACE EXPL ENRICH         |
| 423610               | HS SPACE EXPL ENRICH         |
| 423614               | GR 6-8 ENDGRD ANIMALS ENR ST |
| 423622               | MS STEM ENRICH               |
| 423623               | STEM CREATOR PACK            |
| 423624               | STEM INNOVATOR PACK          |
| 423632               | GR6-8 FLYING CLASSROOM       |
| 423633               | STEM CREATOR PACK GR7-8      |
| 423635               | YA HABLA! LATINX CULTURE     |
| 423636               | MS SPORTS & ENG ENR          |
| 423640               | MS INTRO TO ROBOTICS         |
| 423642               | HS INTRO TO ROBOTICS         |
| 423701               | GR 6-8 STU EMP&LEAD ST       |
| 423702               | GR 9-12 STU EMP&LEAD ST      |
| 423703               | MS LEADERSHIP ENR            |
| 423704               | HS LEADERSHIP ENR            |
| 423710               | HS TITANIC ENRICH ST         |
| 423711               | MS K-POP                     |
| 423714               | GR 6-8 EXPLR HIP HOP ENR     |
| 423715               | GR 9-12 EXPLR HIP HOP ENR    |
| 423718               | MS ART & ACTIVISM            |
| 423720               | MS ARMENIAN HIST             |
| 423721               | MS BLK/PAN AFR AMER HIST     |
| 423722               | MS SALVADORAN HIST           |
| 423723               | MS CHINESE HIST              |
| 423724               | MS FILIPINO HIST             |
| 423725               | MS JAPANESE HIST             |
| 423726               | MS KOREAN HIST               |
| 423727               | MS MEXICAN HIST              |
| 423743               | GR 6-8 CULT HERITAGE ENR     |
| 423744               | SAS STUDENT LEADERS          |
| 423810               | QUMANITY ART LAB ENR         |
| 423811               | STRASBERG METHOD ENR         |
| 423815               | MS PLAYWR & ACTING ENR       |
| 423818               | HEROS JOURNEY MS             |
| 424106               | COS GRADE 6                  |
|                      |                              |

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>        |
|----------------------|---------------------------|
| 424116               | COS MS ELA 6 SUM INTRVN   |
| 424117               | COS MS ELA 7 SUM INTRVN   |
| 424118               | COS MS ELA 8 SUM INTRVN   |
| 424126               | COS MS MATH 6 SUM INTRVN  |
| 424127               | COS MS MATH 7 SUM INTRVN  |
| 424128               | COS MS MATH 8 SUM INTRVN  |
| 424410               | HS NJROTC ENRICH ST       |
| 424501               | HS APR AP AFR AMER STU    |
| 424502               | HS APR AP ENGLISH LANG    |
| 424503               | HS APR AP ENGLISH LIT     |
| 424504               | HS APR AP PSYCHOLOGY      |
| 424505               | HS APR AP ENG 10 SEM      |
| 424506               | HS APR AP SPANISH LANG    |
| 424507               | HS APR AP SPANISH LIT     |
| 424508               | HS APR AP US HISTORY      |
| 424509               | HS APR AP US GOVRNMT      |
| 424510               | HS APR AP WORLD HIST      |
| 424601               | HS APR AP BIOLOGY         |
| 424602               | HS APR AP CHEMISTRY       |
| 424603               | HS APR AP ENVIRO SCI      |
| 424604               | HS APR AP PHYSICS 1       |
| 424605               | HS APR AP PRE-CALCULUS    |
| 424606               | HS APR AP CALCULUS AB     |
| 424607               | HS APR AP CALCULUS BC     |
| 424608               | HS APR AP STATISTICS      |
| 424609               | HS APR AP COMP SCI PRIN   |
| 425105               | MS CARNEGIE ELA VT        |
| 425106               | MS CARNEGIE MATH VT       |
| 425107               | MS CIGNITION ELA VT       |
| 425108               | MS CIGNITION MATH VT      |
| 425109               | MS HEYTUTOR ELA IP        |
| 425110               | MS HEYTUTOR MATH IP       |
| 425117               | MS STUDYSMART ELA IP      |
| 425118               | MS STUDYSMART MATH IP     |
| 425121               | MS TUTOREDBYTCHRS ELA VT  |
| 425122               | MS TUTOREDBYTCHRS MATH VT |
|                      |                           |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT E – List of Non-Credit Bearing/Zero Credit Courses**

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>        |
|----------------------|---------------------------|
| 425123               | MS TUTORME ELA IP         |
| 425124               | MS TUTORME MATH IP        |
| 425137               | MS LRNG ALLY ELA HBVT     |
| 425138               | MS LRNG ALLY MATH HBVT    |
| 425141               | MS STEP UP MATH HBVT      |
| 425144               | MS BOOKNOOK ELA VT        |
| 425145               | MS ONEONONE LRNG ELA IP   |
| 425146               | MS ONEONONE LRNG MATH IP  |
| 425149               | MS SYLVAN LRNG ELA IP     |
| 425150               | MS SYLVAN LRNG MATH IP    |
| 425151               | MS STUDENTNEST ELA IP     |
| 425152               | MS STUDENTNEST MATH IP    |
| 425155               | MS TREEKNOW ELA IP        |
| 425156               | MS TREEKNOW MATH IP       |
| 425157               | MS THRIVE ELA IP          |
| 425158               | MS THRIVE MATH IP         |
| 425159               | MS BRAINFUSE ELA VT       |
| 425160               | MS BRAINFUSE MATH VT      |
| 425161               | MS BOOKNOOK MATH VT       |
| 425163               | MS BRAINTRUST ELA IP      |
| 425164               | MS BRAINTRUST MATH IP     |
| 425165               | MS VARSITYTUTORS ELA VT   |
| 425166               | MS VARSITYTUTORS MATH VT  |
| 425167               | MS SOUTHEAST ELA IP       |
| 425168               | MS SOUTHEAST MATH IP      |
| 425169               | MS K12 ELA VT             |
| 425170               | MS K12 MATH VT            |
| 425171               | MS INTERVENE ELA VT       |
| 425172               | MS INTERVENE MATH VT      |
| 425173               | MS BETTERTOMORROW ELA IP  |
| 425174               | MS BETTERTOMORROW MATH IP |
| 425175               | MS TUTORDOTCOM ELA VT     |
| 425176               | MS TUTORDOTCOM MATH VT    |
| 425204               | HS CARNEGIE ELA VT        |
| 425205               | HS CARNEGIE MATH VT       |
| 425207               | HS CIGNITION ELA VT       |

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>          |
|----------------------|-----------------------------|
| 425208               | HS CIGNITION MATH VT        |
| 425210               | HS HEYTUTOR ELA IP          |
| 425211               | HS HEYTUTOR MATH IP         |
| 425220               | HS STUDYSMART ELA IP        |
| 425221               | HS STUDYSMART MATH IP       |
| 425226               | HS TUTORED BY TCHRS ELA VT  |
| 425227               | HS TUTORED BY TCHRS MATH VT |
| 425229               | HS TUTORME ELA IP           |
| 425230               | HS TUTORME MATH IP          |
| 425247               | HS LRNG ALLY ELA HBVT       |
| 425248               | HS LRNG ALLY MATH HBVT      |
| 425251               | HS ONEONONE LRNG ELA IP     |
| 425252               | HS ONEONONE LRNG MATH IP    |
| 425255               | HS SYLVAN LRNG ELA IP       |
| 425256               | HS SYLVAN LRNG MATH IP      |
| 425257               | HS STUDENTNEST ELA IP       |
| 425258               | HS STUDENTNEST MATH IP      |
| 425261               | HS TREEKNOW ELA IP          |
| 425262               | HS TREEKNOW MATH IP         |
| 425263               | HS THRIVE ELA IP            |
| 425264               | HS THRIVE MATH IP           |
| 425265               | HS BRAINFUSE ELA VT         |
| 425266               | HS BRAINFUSE MATH VT        |
| 425267               | HS VARSITYTUTORS ELA VT     |
| 425268               | HS VARSITYTUTORS MATH VT    |
| 425269               | HS SOUTHEAST ELA IP         |
| 425270               | HS SOUTHEAST MATH IP        |
| 425271               | HS K12 ELA VT               |
| 425272               | HS K12 MATH VT              |
| 425273               | HS INTERVENE ELA VT         |
| 425274               | HS INTERVENE MATH VT        |
| 425275               | HS BETTERTOMORROW ELA IP    |
| 425276               | HS BETTERTOMORROW MATH IP   |
| 425278               | HS TUTORDOTCOM MATH VT      |
| 425303               | ETO MS RES SUB ELA INTRV    |
| 425304               | ETO MS RES SUB MATH INTRV   |



**Los Angeles Unified School District**  
**APPENDIX 1 – NORM TABLES FOR MIDDLE SCHOOLS**  
**ATTACHMENT E – List of Non-Credit Bearing/Zero Credit Courses**

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>          |
|----------------------|-----------------------------|
| 426002               | MS WINTER ACADEMY           |
| 426003               | HS WINTER ACADEMY           |
| 426009               | SPRING LOCAL DESIGN MS      |
| 426010               | SPRING LOCAL DESIGN HS      |
| 426011               | ES-MS BRIDGE READINESS      |
| 426012               | MS-HS BRIDGE READINESS      |
| 426014               | MS-HS LL BRIDGE             |
| 429203               | HS WORK-READ DIG AGE        |
| 429210               | HS ENVIRO SRVC LRNG ENR     |
| 429211               | HS SOC JUST SRVC LRNG ENR   |
| 429221               | JUNIOR COLLEGE JOURNAL      |
| 429222               | SENIOR COLLEGE JOURNAL      |
| 429949               | SERVICE LEARN               |
| 431360               | ASL/ENG BI-LING ED:LITERACY |
| 431361               | ASL/ENG BI-LING ED:LEVEL 1  |
| 431362               | ASL/ENG BI-LING ED:LEVEL 2  |
| 431363               | ASL/ENG BI-LING ED:LEVEL 3  |
| 490053               | MS ESY TUTOR (AC)           |
| 490054               | MS ESY TUTOR (CC)           |
| 490055               | HS ESY TUTOR (AC)           |
| 490056               | HS ESY TUTOR (CC)           |
| 500150               | ESL MULTI/ED                |
| 500170               | ESL/CITIZENSHI              |
| 500178               | VESL/SKLS FOR CAR SUCCESS   |
| 500179               | VESL/SKLS FOR CAR SUC I-LOW |
| 500180               | ESL/CITIZEN400              |
| 500451               | ESL/INT CONVER              |
| 500452               | ESL/ML PRONUNI              |
| 500453               | ESL/INT VOCAB               |
| 500455               | ESL/INTERNT/CB              |
| 500456               | ESL/TUTR EL/CB              |
| 500457               | ESL/ML CBET 1               |
| 500458               | ESL/ML CBET 2               |
| 530360               | ADULT BE: ECP               |
| 617100               | LL SUMMER BRIDGE            |
| 617110               | CTE HS EMER PREP ENR        |

| <b>COURSE NUMBER</b> | <b>COURSE NAME</b>             |
|----------------------|--------------------------------|
| 617111               | CTE HS INTRO HLTH SCI ENR      |
| 617112               | CTE HS CHILD DEV ENR           |
| 617113               | CTE HS CYBER CAREERS ENR       |
| 617114               | CTE MS ENGIN EXPL ENR          |
| 617115               | CTE HS AGRI CAREERS ENR        |
| 617116               | CTE HS BUS SURV SKILLS ENR     |
| 617117               | CTE HS SPACE FOOD ENR          |
| 617118               | SELMA 101-VOTING RIGHTS        |
| 617119               | MS TEEN INNOV & ENTRP          |
| 617120               | CTE 2D GAME DESIGN MS          |
| 617121               | CTE MY FUTURE CAREER MS        |
| 617122               | CTE EXPLR OF TRANS             |
| 617123               | HS TEEN INNOV & ENTRP          |
| 700149               | HIGH SCHOOL EQUIVALENCY TEST   |
| 700150               | CTE/EDU & CAREER PLANNING      |
| 701700               | ESL CAREER EXP                 |
| 701701               | ESL HEALTH LIT                 |
| 701702               | ESL CITIZEN PATH               |
| 706501               | IET/PRE GRAPH DSN FUNDAMENTALS |
| 726501               | IET/PRE-PHOTOVOLTAIC           |
| 727501               | IET/PRE-ELECTRICIAN            |
| 751501               | IET/PRE-ACCOUNTING             |
| 753501               | IET/PRE-ADMIN ASSISTANT        |
| 753502               | IET/PRE-COMP OPERATIONS        |
| 761501               | IET PRE-HEA INFO TECHNOLOGY    |
| 771590               | CULART SERVSAF                 |
| 774001               | IET/PRE-MED ASSISTANT          |
| 774501               | IET/PRE-PHYSICAL THERAPY       |
| 775001               | IET/PRE-CERT NURSING ASSISTANT |
| 775055               | EMER MED TC/RE                 |
| 776501               | IET/PRE-NETWORKING             |
| 778070               | HOME HEALTH AIDE SUPP          |
| 779001               | IET/PRE-PHARM TECHNICIAN       |
| 781001               | IET/PRE-MANICURE               |
| 785001               | IET/PRE-CULINARY ARTS          |
| 788550               | CAMPUS AIDE                    |

[illegible]



# Los Angeles Unified School District

## APPENDIX 2 – 2017-18 Class Size (Base)

### ATTACHMENT A – Teacher Norm Tables for PHBAO Middle Schools

**TABLE 1P: PHBAO Middle Schools**

This table provides for an overall teacher ratio of 30.36:1 at PHBAO middle schools. This overall ratio is based on an average class size of 34:1 in four (4) academic periods and 42.5:1 in two (2) non-academic periods with an average class size of 36.43:1 based on total enrollment in grades 6-8. It includes provision for one daily conference period for each teacher.

| ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS | ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS |
|-------------------|---|-------|-----------------------|-------------------|---|-------|-----------------------|
| FROM              |   | TO    |                       | FROM              |   | TO    |                       |
| 1                 | - | 30    | 1                     | 1,124             | - | 1,153 | 38                    |
| 31                | - | 60    | 2                     | 1,154             | - | 1,183 | 39                    |
| 61                | - | 91    | 3                     | 1,184             | - | 1,214 | 40                    |
| 92                | - | 121   | 4                     | 1,215             | - | 1,244 | 41                    |
| 122               | - | 151   | 5                     | 1,245             | - | 1,275 | 42                    |
| 152               | - | 182   | 6                     | 1,276             | - | 1,305 | 43                    |
| 183               | - | 212   | 7                     | 1,306             | - | 1,335 | 44                    |
| 213               | - | 242   | 8                     | 1,336             | - | 1,366 | 45                    |
| 243               | - | 273   | 9                     | 1,367             | - | 1,396 | 46                    |
| 274               | - | 303   | 10                    | 1,397             | - | 1,426 | 47                    |
| 304               | - | 333   | 11                    | 1,427             | - | 1,457 | 48                    |
| 334               | - | 364   | 12                    | 1,458             | - | 1,487 | 49                    |
| 365               | - | 394   | 13                    | 1,488             | - | 1,517 | 50                    |
| 395               | - | 425   | 14                    | 1,518             | - | 1,548 | 51                    |
| 426               | - | 455   | 15                    | 1,549             | - | 1,578 | 52                    |
| 456               | - | 485   | 16                    | 1,579             | - | 1,608 | 53                    |
| 486               | - | 516   | 17                    | 1,609             | - | 1,639 | 54                    |
| 517               | - | 546   | 18                    | 1,640             | - | 1,669 | 55                    |
| 547               | - | 576   | 19                    | 1,670             | - | 1,700 | 56                    |
| 577               | - | 607   | 20                    | 1,701             | - | 1,730 | 57                    |
| 608               | - | 637   | 21                    | 1,731             | - | 1,760 | 58                    |
| 638               | - | 667   | 22                    | 1,761             | - | 1,791 | 59                    |
| 668               | - | 698   | 23                    | 1,792             | - | 1,821 | 60                    |
| 699               | - | 728   | 24                    | 1,822             | - | 1,851 | 61                    |
| 729               | - | 758   | 25                    | 1,852             | - | 1,882 | 62                    |
| 759               | - | 789   | 26                    | 1,883             | - | 1,912 | 63                    |
| 790               | - | 819   | 27                    | 1,913             | - | 1,942 | 64                    |
| 820               | - | 850   | 28                    | 1,943             | - | 1,973 | 65                    |
| 851               | - | 880   | 29                    | 1,974             | - | 2,003 | 66                    |
| 881               | - | 910   | 30                    | 2,004             | - | 2,033 | 67                    |
| 911               | - | 941   | 31                    | 2,034             | - | 2,064 | 68                    |
| 942               | - | 971   | 32                    | 2,065             | - | 2,094 | 69                    |
| 972               | - | 1,001 | 33                    | 2,095             | - | 2,125 | 70                    |
| 1,002             | - | 1,032 | 34                    | 2,126             | - | 2,155 | 71                    |
| 1,033             | - | 1,062 | 35                    | 2,156             | - | 2,185 | 72                    |
| 1,063             | - | 1,092 | 36                    | 2,186             | - | 2,216 | 73                    |
| 1,093             | - | 1,123 | 37                    | 2,217             | - | 2,246 | 74                    |





# Los Angeles Unified School District

## APPENDIX 2 – 2017-18 Class Size (Base)

### ATTACHMENT B – Teacher Norm Tables for Non-PHBAO Middle Schools

**TABLE 1D: Non-PHBAO Middle Schools**

This table provides for an overall teacher ratio of 33.71:1 at Non-PHBAO middle schools. This overall ratio is based on an average class size of 39.5:1 in four (4) academic periods and 42.5:1 in two (2) non-academic periods with an average class size of 40.45:1 based on total enrollment in grades 6-8. It includes provision for one daily conference period for each teacher.

| ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS | ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS |
|-------------------|---|-------|-----------------------|-------------------|---|-------|-----------------------|
| FROM              |   | TO    |                       | FROM              |   | TO    |                       |
| 1                 | - | 33    | 1                     | 1,248             | - | 1,280 | 38                    |
| 34                | - | 67    | 2                     | 1,281             | - | 1,314 | 39                    |
| 68                | - | 101   | 3                     | 1,315             | - | 1,348 | 40                    |
| 102               | - | 134   | 4                     | 1,349             | - | 1,382 | 41                    |
| 135               | - | 168   | 5                     | 1,383             | - | 1,415 | 42                    |
| 169               | - | 202   | 6                     | 1,416             | - | 1,449 | 43                    |
| 203               | - | 235   | 7                     | 1,450             | - | 1,483 | 44                    |
| 236               | - | 269   | 8                     | 1,484             | - | 1,516 | 45                    |
| 270               | - | 303   | 9                     | 1,517             | - | 1,550 | 46                    |
| 304               | - | 337   | 10                    | 1,551             | - | 1,584 | 47                    |
| 338               | - | 370   | 11                    | 1,585             | - | 1,618 | 48                    |
| 371               | - | 404   | 12                    | 1,619             | - | 1,651 | 49                    |
| 405               | - | 438   | 13                    | 1,652             | - | 1,685 | 50                    |
| 439               | - | 471   | 14                    | 1,686             | - | 1,719 | 51                    |
| 472               | - | 505   | 15                    | 1,720             | - | 1,752 | 52                    |
| 506               | - | 539   | 16                    | 1,753             | - | 1,786 | 53                    |
| 540               | - | 573   | 17                    | 1,787             | - | 1,820 | 54                    |
| 574               | - | 606   | 18                    | 1,821             | - | 1,854 | 55                    |
| 607               | - | 640   | 19                    | 1,855             | - | 1,887 | 56                    |
| 641               | - | 674   | 20                    | 1,888             | - | 1,921 | 57                    |
| 675               | - | 707   | 21                    | 1,922             | - | 1,955 | 58                    |
| 708               | - | 741   | 22                    | 1,956             | - | 1,988 | 59                    |
| 742               | - | 775   | 23                    | 1,989             | - | 2,022 | 60                    |
| 776               | - | 809   | 24                    | 2,023             | - | 2,056 | 61                    |
| 810               | - | 842   | 25                    | 2,057             | - | 2,090 | 62                    |
| 843               | - | 876   | 26                    | 2,091             | - | 2,123 | 63                    |
| 877               | - | 910   | 27                    | 2,124             | - | 2,157 | 64                    |
| 911               | - | 943   | 28                    | 2,158             | - | 2,191 | 65                    |
| 944               | - | 977   | 29                    | 2,192             | - | 2,224 | 66                    |
| 978               | - | 1,011 | 30                    | 2,225             | - | 2,258 | 67                    |
| 1,012             | - | 1,045 | 31                    | 2,259             | - | 2,292 | 68                    |
| 1,046             | - | 1,078 | 32                    | 2,293             | - | 2,325 | 69                    |
| 1,079             | - | 1,112 | 33                    | 2,326             | - | 2,359 | 70                    |
| 1,113             | - | 1,146 | 34                    | 2,360             | - | 2,393 | 71                    |
| 1,147             | - | 1,179 | 35                    | 2,394             | - | 2,427 | 72                    |
| 1,180             | - | 1,213 | 36                    | 2,428             | - | 2,460 | 73                    |
| 1,214             | - | 1,247 | 37                    | 2,461             | - | 2,494 | 74                    |





# Los Angeles Unified School District

## APPENDIX 2 – 2017-18 Class Size (Base)

### ATTACHMENT C – Teacher Norm Tables for Affiliated Charter Middle Schools

**TABLE 1A: District Norm - Affiliated Charter Middle Schools**

This table provides for an overall teacher ratio of 42.5:1 at Affiliated Charter middle schools based on total enrollment in grades 6-8. It includes provision for one daily conference period for each teacher.

| ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS | ACTIVE ENROLLMENT |   |       | NUMBER OF<br>TEACHERS |
|-------------------|---|-------|-----------------------|-------------------|---|-------|-----------------------|
| FROM              |   | TO    |                       | FROM              |   | TO    |                       |
| 1                 | - | 35    | 1                     | 1,311             | - | 1,345 | 38                    |
| 36                | - | 70    | 2                     | 1,346             | - | 1,381 | 39                    |
| 71                | - | 106   | 3                     | 1,382             | - | 1,416 | 40                    |
| 107               | - | 141   | 4                     | 1,417             | - | 1,452 | 41                    |
| 142               | - | 177   | 5                     | 1,453             | - | 1,487 | 42                    |
| 178               | - | 212   | 6                     | 1,488             | - | 1,522 | 43                    |
| 213               | - | 247   | 7                     | 1,523             | - | 1,558 | 44                    |
| 248               | - | 283   | 8                     | 1,559             | - | 1,593 | 45                    |
| 284               | - | 318   | 9                     | 1,594             | - | 1,629 | 46                    |
| 319               | - | 354   | 10                    | 1,630             | - | 1,664 | 47                    |
| 355               | - | 389   | 11                    | 1,665             | - | 1,700 | 48                    |
| 390               | - | 425   | 12                    | 1,701             | - | 1,735 | 49                    |
| 426               | - | 460   | 13                    | 1,736             | - | 1,770 | 50                    |
| 461               | - | 495   | 14                    | 1,771             | - | 1,806 | 51                    |
| 496               | - | 531   | 15                    | 1,807             | - | 1,841 | 52                    |
| 532               | - | 566   | 16                    | 1,842             | - | 1,877 | 53                    |
| 567               | - | 602   | 17                    | 1,878             | - | 1,912 | 54                    |
| 603               | - | 637   | 18                    | 1,913             | - | 1,947 | 55                    |
| 638               | - | 672   | 19                    | 1,948             | - | 1,983 | 56                    |
| 673               | - | 708   | 20                    | 1,984             | - | 2,018 | 57                    |
| 709               | - | 743   | 21                    | 2,019             | - | 2,054 | 58                    |
| 744               | - | 779   | 22                    | 2,055             | - | 2,089 | 59                    |
| 780               | - | 814   | 23                    | 2,090             | - | 2,125 | 60                    |
| 815               | - | 850   | 24                    | 2,126             | - | 2,160 | 61                    |
| 851               | - | 885   | 25                    | 2,161             | - | 2,195 | 62                    |
| 886               | - | 920   | 26                    | 2,196             | - | 2,231 | 63                    |
| 921               | - | 956   | 27                    | 2,232             | - | 2,266 | 64                    |
| 957               | - | 991   | 28                    | 2,267             | - | 2,302 | 65                    |
| 992               | - | 1,027 | 29                    | 2,303             | - | 2,337 | 66                    |
| 1,028             | - | 1,062 | 30                    | 2,338             | - | 2,372 | 67                    |
| 1,063             | - | 1,097 | 31                    | 2,373             | - | 2,408 | 68                    |
| 1,098             | - | 1,133 | 32                    | 2,409             | - | 2,443 | 69                    |
| 1,134             | - | 1,168 | 33                    | 2,444             | - | 2,479 | 70                    |
| 1,169             | - | 1,204 | 34                    | 2,480             | - | 2,514 | 71                    |
| 1,205             | - | 1,239 | 35                    | 2,515             | - | 2,550 | 72                    |
| 1,240             | - | 1,275 | 36                    | 2,551             | - | 2,585 | 73                    |
| 1,276             | - | 1,310 | 37                    | 2,586             | - | 2,620 | 74                    |