## APPENDIX

# The "College Prep for All" Mandate - 

 An Examination of New Graduation Requirements in the Context Of San Diego: Part IJulian R. Betts, Sam M. Young, Andrew C. Zau, and Karen Volz Bachofer


## SanDERA

## APPENDIX

Appendix Table 1 shows a pair of regression models for cumulative a-g semesters completed by the end of grade 9 (models 1 and 2 ) and the number of subject areas in which the a-g requirements had been completed by the end of grade 9 (models 3 and 4 ). Model 2 extends model 1 by adding a predicted probability that the student would complete $a-g$ course requirements with grades of $D$ or higher by the end of grade 12 , using data for the student available at the end of grade 6 . Similarly, for the outcome on the number of subject areas completed, model 4 adds this explanatory model to model 3. In these models, the variable for graduating class estimates a linear trend, while the variable "Class of 2016" allows for a break from trend for the class of 2016.

## Appendix Table 1: Main Outcomes From Linear Regression of Semester Courses and Subject Areas Completed with Grades of D or Higher

| VARIABLES | (1) <br> Cumulative Semesters | (2) <br> Cumulative Semesters | (3) <br> Subject <br> Areas | (4) <br> Subject Areas |
| :---: | :---: | :---: | :---: | :---: |
| Class of 2016 | 0.481*** | 0.357** | -0.009 | -0.029 |
|  | (0.177) | (0.146) | (0.043) | (0.042) |
| Graduating Class of (Year) | 0.157** | -0.042 | 0.067*** | 0.042*** |
|  | (0.071) | (0.064) | (0.015) | (0.014) |
| Grade 6 Predicted Probability of Completing a-g |  | 11.311*** |  | 1.321*** |
|  |  | (0.343) |  | (0.165) |
| Predicted Probability Missing |  | 3.866*** |  | 0.380*** |
|  |  | (0.310) |  | (0.068) |
| Constant | -306.752** | 87.965 | $-133.447^{* * *}$ | -84.745*** |
|  | (141.927) | (129.316) | (30.050) | (28.993) |
| Observations | 62,503 | 62,503 | 62,503 | 62,503 |
| R-squared | 0.009 | 0.354 | 0.019 | 0.145 |

Robust standard errors, clustered by school, in parentheses
*** $\mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$
Note: Outcomes are measured at the end of grade 9 .

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Appendix Table 2: Main Outcomes From Linear Regression of Semester Courses and Subject Areas Completed Based on Completion of Coursework with Grades of C or Better

| VARIABLES | (1) | (2) | (3) | (4) |
| :---: | :---: | :---: | :---: | :---: |
|  | Cumulative Semesters | Cumulative Semesters | Subject <br> Areas | Subject <br> Areas |
| Class of 2016 | $0.473^{* * *}$ | 0.304** | -0.003 | -0.028 |
|  | (0.171) | (0.130) | (0.041) | (0.039) |
| Graduating Class of (Year) | 0.187*** | -0.006 | $0.065^{* * *}$ | $0.041^{* * *}$ |
|  | (0.067) | (0.059) | (0.014) | (0.013) |
| Grade 6 Predicted Probability of Completing a-g (Grades of C or Higher) |  | $12.360^{* * *}$ |  | $1.460^{* * *}$ |
|  |  | (0.336) |  | (0.165) |
| Predicted Probability Missing |  | $2.928^{* * *}$ |  | $0.281^{* * *}$ |
|  |  | (0.302) |  | (0.052) |
| Constant | $-367.797^{* * *}$ | 16.183 | $-130.415^{* * *}$ | -82.726*** |
|  | (134.586) | (119.476) | (27.810) | (26.200) |
| Observations | 62,503 | 62,503 | 62,503 | 62,503 |
| R-squared | 0.010 | 0.390 | 0.019 | 0.176 |

Robust standard errors, clustered by school, in parentheses
${ }^{* * *} \mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$
Note: Outcomes are measured at the end of grade 9 .

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Appendix Table 3 models the cumulative number of Career and Technical Education (CTE) year-long courses, the percentage of days absent, and annual Grade Point Average (GPA), all measured in grade 9. The key question is whether the class of 2016 shows a break from any pre-existing trends in these outcomes. If the coefficient on the variable "Class of 2016" is significantly different from zero, it would indicate such a break from trend. In no case does it become significant.

## Appendix Table 3: Side Effects

| VARIABLES | (1) | (2) | (3) | (4) | (5) | (6) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cumulative CTE Years | Cumulative CTE Years | Absent Percent | Absent <br> Percent | Annual GPA | Annual GPA |
| Class of 2016 | 0.040 | 0.029 | -0.040 | -0.003 | -0.011 | -0.005 |
|  | (0.039) | (0.039) | (0.212) | (0.209) | (0.022) | (0.022) |
| Graduating Class of (Year) | -0.010 | -0.014 | $-0.224^{* * *}$ | -0.111* | $0.022^{* *}$ | -0.001 |
|  | (0.011) | (0.011) | (0.064) | (0.056) | (0.007) | (0.006) |
| Grade 6 Predicted Probability of |  |  |  |  |  |  |
| Completing a-g |  | 0.095 |  | $-6.948^{* * *}$ |  | $1.638^{* * *}$ |
|  |  | (0.094) |  | (0.494) |  | (0.060) |
| Predicted Probability Missing |  | -0.090 |  | $-2.856^{* * *}$ |  | 0.863*** |
|  |  | (0.058) |  | (0.268) |  | (0.058) |
| Constant | 20.973 | 28.681 | 456.123*** | 230.998** | $-42.455^{* * *}$ | 3.030 |
|  | (22.025) | (21.357) | (129.585) | (113.589) | (14.392) | (12.714) |
| Observations | 62,462 | 62,462 | 62,513 | 62,513 | 60,955 | 60,955 |
| R -squared | 0.001 | 0.012 | 0.004 | 0.051 | 0.003 | 0.240 |

Robust standard errors, clustered by school, in parentheses
${ }^{* * *} \mathrm{p}<0.01$, ${ }^{* *} \mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$
Note: Outcomes are measured at the end of grade 9.

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Appendix Table 4: Regression Models by Language and Special Education Status of the Average Number of a-g Semester Courses and Subject Areas Completed with Grades of D or Higher by the end of Grade 9

| VARIABLES | (1) <br> Cumulative <br> Semesters | (2) <br> Cumulative <br> Semesters | (3) <br> Subject <br> Areas | (4) <br> Subject <br> Areas | (5) <br> Cumulative <br> Semesters | (6) <br> Cumulative <br> Semesters | (7) <br> Subject <br> Areas | (8) Subject Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EL | $\begin{gathered} 412.192^{* * *} \\ (113.039) \end{gathered}$ | $\begin{gathered} 156.453 \\ (114.591) \end{gathered}$ | $\begin{gathered} 79.133 * * * \\ (27.396) \end{gathered}$ | $\begin{gathered} 43.756 \\ (29.837) \end{gathered}$ |  |  |  |  |
| Class of 2016*Non-EL | $\begin{gathered} 0.443^{* * *} \\ (0.162) \end{gathered}$ | $\begin{aligned} & 0.322^{* *} \\ & (0.146) \end{aligned}$ | $\begin{aligned} & -0.011 \\ & (0.046) \end{aligned}$ | $\begin{aligned} & -0.029 \\ & (0.045) \end{aligned}$ |  |  |  |  |
| Class of 2016*EL | $\begin{gathered} 0.204 \\ (0.256) \end{gathered}$ | $\begin{gathered} 0.442 \\ (0.268) \end{gathered}$ | $\begin{gathered} -0.075 \\ (0.056) \end{gathered}$ | $\begin{aligned} & -0.059 \\ & (0.054) \end{aligned}$ |  |  |  |  |
| Graduation Year*Non-EL | $\begin{aligned} & 0.138^{* *} \\ & (0.063) \end{aligned}$ | $\begin{gathered} -0.036 \\ (0.062) \end{gathered}$ | $\begin{gathered} 0.068^{* * *} \\ (0.015) \end{gathered}$ | $\begin{gathered} 0.045^{* * *} \\ (0.015) \end{gathered}$ |  |  |  |  |
| Graduation Year*EL | $\begin{gathered} -0.070 \\ (0.076) \end{gathered}$ | $\begin{gathered} -0.115 \\ (0.075) \end{gathered}$ | $\begin{aligned} & 0.029^{*} \\ & (0.016) \end{aligned}$ | $\begin{gathered} 0.024 \\ (0.016) \end{gathered}$ |  |  |  |  |
| Grade 6 Predicted Probability of Completing a-g |  | $\begin{gathered} 9.975 * * * \\ (0.349) \end{gathered}$ |  | $\begin{gathered} 1.217^{* * *} \\ (0.166) \end{gathered}$ |  | $\begin{gathered} 10.477^{* * *} \\ (0.393) \end{gathered}$ |  | $\begin{gathered} 1.257^{* * *} \\ (0.168) \end{gathered}$ |
| Predicted Probability Missing |  | $\begin{gathered} 3.336^{* * *} \\ (0.285) \end{gathered}$ |  | $\begin{gathered} 0.339 * * * \\ (0.068) \end{gathered}$ |  | $\begin{gathered} 3.486^{* * *} \\ (0.297) \end{gathered}$ |  | $\begin{gathered} 0.350^{* * *} \\ (0.069) \end{gathered}$ |
| Special Ed |  |  |  |  | $\begin{aligned} & 295.073^{* *} \\ & (125.878) \end{aligned}$ | $\begin{gathered} -33.573 \\ (129.030) \end{gathered}$ | $\begin{aligned} & 59.071^{* *} \\ & (25.705) \end{aligned}$ | $\begin{gathered} 15.808 \\ (26.170) \end{gathered}$ |
| Class of 2016*Non-Special Ed |  |  |  |  | $\begin{gathered} 0.534^{* * *} \\ (0.174) \end{gathered}$ | $\begin{gathered} 0.395^{* * *} \\ (0.147) \end{gathered}$ | $\begin{aligned} & -0.001 \\ & (0.045) \end{aligned}$ | $\begin{aligned} & -0.023 \\ & (0.044) \end{aligned}$ |

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## Appendix Table 4, Continued

| VARIABLES | (1) <br> Cumulative <br> Semesters | (2) <br> Cumulative <br> Semesters | (3) <br> Subject <br> Areas | (4) <br> Subject <br> Areas | (5) <br> Cumulative <br> Semesters | (6) <br> Cumulative <br> Semesters |  | (8) <br> Subject <br> Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class of 2016*Special Ed |  |  |  |  | $\begin{gathered} 0.395 \\ (0.259) \end{gathered}$ | $\begin{gathered} 0.220 \\ (0.231) \end{gathered}$ | $\begin{aligned} & -0.033 \\ & (0.043) \end{aligned}$ | $\begin{gathered} -0.064 \\ (0.039) \end{gathered}$ |
| Graduation Year*Non-Special Ed |  |  |  |  | $\begin{aligned} & 0.166^{* *} \\ & (0.075) \end{aligned}$ | $\begin{gathered} -0.034 \\ (0.070) \end{gathered}$ | $\begin{gathered} 0.069^{* * *} \\ (0.016) \end{gathered}$ | $\begin{gathered} 0.044^{* * *} \\ (0.015) \end{gathered}$ |
| Graduation Year*Special Ed |  |  |  |  | $\begin{gathered} 0.018 \\ (0.063) \end{gathered}$ | $\begin{aligned} & -0.019 \\ & (0.065) \end{aligned}$ | $\begin{gathered} 0.040^{* * *} \\ (0.013) \end{gathered}$ | $\begin{gathered} 0.036^{* * *} \\ (0.013) \end{gathered}$ |
| Constant | $\begin{gathered} -267.142^{* *} \\ (127.312) \end{gathered}$ | $\begin{gathered} 77.014 \\ (124.739) \end{gathered}$ | $\begin{gathered} -135.939^{* * *} \\ (30.401) \end{gathered}$ | $\begin{gathered} -91.049^{* * *} \\ (30.440) \end{gathered}$ | $\begin{gathered} -325.235^{* *} \\ (151.171) \end{gathered}$ | $\begin{gathered} 73.605 \\ (139.853) \end{gathered}$ | $\begin{gathered} -138.686^{* * *} \\ (31.662) \end{gathered}$ | $\begin{gathered} -87.991^{* * *} \\ (30.894) \end{gathered}$ |
| Observations | 62,307 | 62,307 | 62,307 | 62,307 | 62,503 | 62,503 | 62,503 | 62,503 |
| R-squared | 0.144 | 0.383 | 0.053 | 0.148 | 0.094 | 0.373 | 0.040 | 0.148 |
| p -value on F test of equal breaks | 0.377 | 0.636 | 0.283 | 0.584 | 0.563 | 0.417 | 0.463 | 0.296 |
| p-value on $F$ test of equal pretrends | 0.000 | 0.170 | 0.005 | 0.146 | 0.020 | 0.808 | 0.023 | 0.544 |

Robust standard errors, clustered by school, in parentheses
*** $\mathrm{p}<0.01$, ** $\mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$
Note: Outcomes are measured at the end of grade 9.

In Appendix Tables 5 and 6 on the following pages, we shorten column headings to preserve space. In those tables, "Cum Sem" refers to Cumulative Semesters, and "Subj Areas" refers to Subject Areas, as in Appendix Table 4 above.

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Appendix Table 5: Regression Models by Race/Ethnicity of the Average Number of a-g Semester Courses Completed, and of Subject Areas Completed, with Grades of D or Higher by the End of Grade 9

|  | $(1)$ | $(2)$ | $(3)$ | $(4)$ |
| :--- | :---: | :---: | :---: | :---: |
| VARIABLES | Cum Sem | Cum Sem | Subj Areas | Subj Areas |
|  |  |  |  |  |
| African-American | 57.005 | -78.035 | 3.564 | -10.966 |
| Asian/Pacific Islander | $(165.578)$ | $(161.257)$ | $(43.806)$ | $(40.172)$ |
| Hispanic | 99.687 | 132.363 | $-77.347^{* *}$ | $-71.563^{* *}$ |
| Class of 2016*White | $(148.426)$ | $(134.490)$ | $(35.992)$ | $(31.800)$ |
| Class of 2016*African-American | 34.696 | -104.387 | 13.551 | -5.136 |
|  | $(182.707)$ | $(166.024)$ | $(37.680)$ | $(32.969)$ |
| Class of 2016*Asian/Pacific Islander | $0.492^{* * *}$ | $0.364^{* * *}$ | 0.074 | 0.054 |
| Graduation Year*White | $(0.147)$ | $(0.094)$ | $(0.055)$ | $(0.047)$ |

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| Graduation Year*African-American | $0.134^{*}$ | -0.006 | $0.060^{* * *}$ | $0.041^{* *}$ |
| :--- | :---: | :---: | :---: | :---: |
| Graduation Year*Asian/Pacific Islander | $(0.073)$ | $(0.068)$ | $(0.017)$ | $(0.016)$ |
|  | $0.114^{* *}$ | $-0.110^{*}$ | $0.100^{* * *}$ | $0.071^{* * *}$ |
| Graduation Year*Hispanic | $(0.057)$ | $(0.059)$ | $(0.016)$ | $(0.017)$ |
| Grade 6 Predicted Probability of Completing a-g |  | 0.145 | 0.007 | $0.055^{* * *}$ |
|  | $(0.095)$ | $(0.087)$ | $(0.017)$ | $\left(0.038^{* *}\right.$ |
| Predicted Probability Missing |  | $9.938^{* * *}$ |  | $1.217^{* * *}$ |
| Constant |  | $(0.303)$ |  | $(0.144)$ |
| Observations |  | $3.200^{* * *}$ |  | $0.332^{* * *}$ |
| R-squared |  | $(0.271)$ |  | $(0.063)$ |
| p-value on F test of equal breaks | $-319.475^{* *}$ | 94.358 | $-123.789^{* * *}$ | $-70.799^{* *}$ |
| p-value on F test of equal pre-trends | $(123.164)$ | $(121.761)$ | $(36.748)$ | $(34.751)$ |

Robust standard errors, clustered by school, in parentheses
${ }^{* * *} \mathrm{p}<0.01,{ }^{* *} \mathrm{p}<0.05,{ }^{*} \mathrm{p}<0.1$
Note: Main indicator for white race is omitted to avoid collinearity.
Outcomes are measured at the end of grade 9.

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Appendix Table 6: Regression Models by Parental Education of the Average Number of a-g Semester Courses Completed, and of Subject Areas Completed, with Grades of D or Higher by the End of Grade 9

| VARIABLES | (1) | (2) | (3) | (4) |
| :---: | :---: | :---: | :---: | :---: |
|  | Cum Sem | Cum Sem | Subj Areas | Subj Areas |
| High School Graduate | -180.399* | -150.309 | -42.875* | -36.539* |
|  | (102.316) | (97.969) | (22.141) | (21.062) |
| Some College | -66.481 | -119.218 | -28.290 | -31.519 |
|  | (154.439) | (138.374) | (29.340) | (27.857) |
| College Graduate | -441.061** | -217.438 | -89.965** | -58.619* |
|  | (174.721) | (165.041) | (34.125) | (30.868) |
| Graduate School | -125.772 | -15.746 | -23.143 | -6.483 |
|  | (216.435) | (186.521) | (58.103) | (47.723) |
| Class of 2016*Less Than High School Diploma | 0.370 | 0.553** | -0.053 | -0.038 |
|  | (0.255) | (0.235) | (0.073) | (0.073) |
| Class of 2016*High School Graduate | 0.085 | 0.143 | -0.087 | -0.083 |
|  | (0.226) | (0.214) | (0.056) | (0.057) |
| Class of 2016*Some College | 0.603*** | 0.484*** | -0.015 | -0.033 |
|  | (0.193) | (0.179) | (0.049) | (0.050) |
| Class of 2016*College Graduate | 0.092 | 0.095 | -0.060 | -0.063 |
|  | (0.204) | (0.186) | (0.071) | (0.065) |
| Class of 2016*Graduate School | 0.697*** | 0.402*** | 0.068 | 0.028 |
|  | (0.191) | (0.134) | (0.052) | (0.039) |
| Graduation Year*Less Than High School Diploma | -0.038 | -0.138 | 0.042** | 0.031* |
|  | (0.098) | (0.086) | (0.018) | (0.017) |
| Graduation Year*High School Graduate | 0.052 | -0.063 | $0.064^{* *}$ | 0.049*** |
|  | (0.081) | (0.077) | (0.016) | (0.015) |
| Graduation Year*Some College | -0.003 | -0.078 | 0.056*** | 0.047*** |
|  | (0.069) | (0.066) | (0.016) | (0.016) |
| Graduation Year*College Graduate | 0.183*** | -0.029 | 0.087*** | $0.060^{* * *}$ |
|  | (0.058) | (0.065) | (0.017) | (0.017) |
| Graduation Year*Graduate School | 0.027 | -0.129** | 0.054** | 0.034 |
|  | (0.064) | (0.060) | (0.027) | (0.024) |
| Grade 6 Predicted Probability of Completing a-g |  | 9.648*** |  | 1.137*** |
|  |  | (0.284) |  | (0.159) |
| Predicted Probability Missing |  | $3.524^{* *}$ |  | 0.350*** |
|  |  | (0.256) |  | (0.072) |
| Constant | 83.293 | 281.263 | -84.197** | -61.867* |
|  | (197.241) | (172.815) | (37.177) | (34.466) |
| Observations | 45,423 | 45,423 | 45,423 | 45,423 |
| R-squared | 0.145 | 0.391 | 0.060 | 0.143 |
| p -value on F test of equal breaks | 0.018 | 0.052 | 0.075 | 0.228 |
| p -value on F test of equal pre-trends | 0.003 | 0.058 | 0.001 | 0.002 |

Robust standard errors, clustered by school, in parentheses
${ }^{* * *} \mathrm{p}<0.01, * * \mathrm{p}<0.05, * \mathrm{p}<0.1$
Note: Main indicator for 'less than high school diploma' is omitted to avoid collinearity.
Note: "Graduate School" refers to students with a parent who attended graduate school or received other postgraduate training.

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Appendix Table 7: A Comparison by Language and Special Education Status of the Average Number of a-g Semester Courses Completed with Grades of D or Higher by the End of Grade 9, Among Students in the Classes of 2011-2013 Who Met the District's New a-g Requirement and Students in the Class of 2016

| Subject | History/ <br> Social <br> Studies | English <br> Language Arts | Math | Lab <br> Sciences | World <br> Languages | Visual and <br> Performing <br> Arts | College <br> Preparatory Elective | Total | \% of Class of 2016 | $\%$ of Completers from Classes of 2011-2013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| All Students |  |  |  |  |  |  |  |  |  |  |
| Successful Students in Classes of 20112013 | 0.5 | 2.0 | 3.9 | 1.3 | 2.7 | 0.9 | 0.7 | 12.0 |  | 100.0\% |
| Class of 2016 | 0.4 | 1.6 | 3.2 | 1.0 | 2.2 | 1.1 | 0.6 | 9.9 | 100.0\% |  |
| Difference | 0.1 | 0.4 | 0.8 | 0.3 | 0.5 | -0.2 | 0.2 | 2.1 |  |  |

Non-EL Students
Successful Students
in Classes of 2011-
2013
Class of 2016
Difference

| 0.4 | 1.6 | 3.4 | 1.1 | 2.4 | 1.1 | 0.6 | 10.6 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.1 | 0.4 | 0.6 | 0.2 | 0.4 | -0.2 | 0.1 | 1.6 |

$$
87.5 \%
$$

EL students
Successful Students
in Classes of 2011-
2013
Class of 2016
Difference

| 0.2 | 1.9 | 3.1 | 0.5 | 1.1 | 0.8 | 1.4 | 9.0 |  | $5.6 \%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.2 | 1.0 | 1.6 | 0.3 | 0.8 | 0.7 | 0.6 | 5.1 | $12.5 \%$ |  |
| 0.0 | 0.9 | 1.6 | 0.2 | 0.3 | 0.1 | 0.7 | 3.9 |  |  |

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Appendix Table 7, Continued: A Comparison by Language and Special Education Status of the Average Number of a-g Semester Courses Completed with Grades of D or Higher by the End of Grade 9, Among Students in the Classes of 2011-2013 Who Met the District's New a-g Requirement and Students in the Class of 2016


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Appendix Table 8: A Comparison by Race/Ethnicity of the Average Number of a-g Semester Courses Completed with Grades of D or Higher by the End of Grade 9, Among Students in the Classes of 2011-2013 Who Met the District's New a-g Requirement and Students in the Class of 2016
,

|  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Subject | History / <br> Social <br> Studies | English Language | Math | Lab Sciences | World Languages | Visual and Performing | College <br> Preparatory <br> Elective | Total | $\%$ of Class of 2016 | Completers from Classe |

White

| Successful Students <br> in Classes of 2011- <br> 2013 0.6 2.0 4.2 1.6 3.3 0.9 0.4 13.1 |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|         <br> Class of 2016 0.5 1.8 3.8 1.5 3.0 1.2 0.4 | 12.2 | $24.7 \%$ |  |  |  |  |  |  |  |
| Difference | 0.1 | 0.2 | 0.3 | 0.2 | 0.3 | -0.3 | 0.0 | 0.9 |  |

African-American
Successful Students in Classes of 20112013
0
3.3 .0
1.9
0.8
1.1
10.6

Class of 2016
Difference

| 0.3 | 1.5 | 2.8 | 0.8 | 1.7 | 1.0 | 0.6 | 8.8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.0 | 0.5 | 0.7 | 0.1 | 0.2 | -0.2 | 0.4 | 1.8 |

9.8\%

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Appendix Table 8, Continued: A Comparison by Race/Ethnicity of the Average Number of a-g Semester Courses Completed with Grades of D or Higher by the End of Grade 9, Among Students in the Classes of 2011-2013 Who Met the District's New a-g Requirement and Students in the Class of 2016

| Subject | History/ Social | English | Math | Lab Sciences | World <br> Languages | Visual and <br> Performing | College | Total | \% of Class of |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  | Language |  |  |  |  | Preparatory |  |  | from Classes |
|  | Studies | Arts |  |  |  | Arts | Elective |  | 2016 | of 2011-2013 |

## Asian/Pacific

Islander
Successful Students
in Classes of 2011-
2013

| $24.6 \%$ |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Class of 2016 <br> Difference | 0.5 | 1.8 | 3.8 | 1.3 | 2.5 | 1.1 | 0.6 | 11.5 | $17.9 \%$ |

Hispanic

| Successful Students |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| in Classes of 2011-$2013$ | 0.3 | 2.0 | 3.7 | 1.0 | 2.3 | 0.9 | 1.0 | 11.2 |  | 31.5\% |
|  |  |  |  |  |  |  |  |  |  |  |
| Class of 2016 | 0.3 | 1.4 | 2.7 | 0.7 | 1.7 | 0.9 | 0.6 | 8.3 | 46.1\% |  |
| Difference | 0.0 | 0.6 | 1.0 | 0.3 | 0.6 | 0.0 | 0.4 | 2.9 |  |  |

## SanDERA

Appendix Table 9: A Comparison by Parental Education of the Average Number of a-g Semester Courses Completed with Grades of D or Higher by the End of Grade 9, Among Students in the Classes of 2011-2013 Who Met the District's New a-g Requirement and Students in the Class of 2016

| Subject | History/ <br> Social <br> Studies | English <br> Language Arts | Math | Lab Sciences | World <br> Languages | Visual and Performing Arts | College <br> Preparatory <br> Elective | Total | $\begin{gathered} \text { \% of } \\ \text { Class of } \\ 2016 \end{gathered}$ | $\%$ of Completers from Classes of 2011-2013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Less Than High School Diploma |  |  |  |  |  |  |  |  |  |  |
| Successful Students in Classes of 20112013 | 0.3 | 2.0 | 3.7 | 0.9 | 2.1 | 0.9 | 1.0 | 10.9 |  |  |
| Class of 2016 | 0.3 | 1.3 | 2.5 | 0.4 | 1.4 | 0.9 | 0.6 | 7.6 | 15.8\% |  |
| Difference | 0.0 | 0.7 | 1.2 | 0.3 | 0.7 | 0.0 | 0.4 | 3.3 |  |  |
| High School Graduate |  |  |  |  |  |  |  |  |  |  |
| Successful Students <br> in Classes of 2011 - $2013$ | 0.4 | 2.0 | 3.8 | 1.1 | 2.4 | 0.8 | 0.9 | 11.4 |  |  |
| Class of 2016 | 0.3 | 1.4 | 2.8 | 0.7 | 1.7 | 0.9 | 0.7 | 8.6 | 21.2\% |  |
| Difference. | 0.1 | 0.6 | 1.0 | 0.3 | 0.7 | -0.1 | 0.3 | 2.8 |  |  |

## SanDERA

Appendix Table 9, Continued: A Comparison by Parental Education of the Average Number of a-g Semester Courses Completed with Grades of D or Higher by the End of Grade 9, Among Students in the Classes of 2011-2013 Who Met the District's New a-g Requirement and Students in the Class of 2016

| Subject | History/ <br> Social <br> Studies | English <br> Language <br> Arts | Math | Lab <br> Sciences | World <br> Languages | Visual and <br> Performing <br> Arts | College <br> Preparatory Elective | Total | $\begin{aligned} & \text { \% of } \\ & \text { Class of } \\ & 2016 \end{aligned}$ | $\%$ of Completers from Classes of 2011-2013 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Less Than High <br> School Diploma |  |  |  |  |  |  |  |  |  |  |
| Successful Students in Classes of 20112013 | 0.3 | 2.0 | 3.7 | 0.9 | 2.1 | 0.9 | 1.0 | 10.9 |  | 1.9 |
| Class of 2016 | 0.3 | 1.3 | 2.5 | 0.6 | 1.4 | 0.9 | 0.6 | 7.6 | 15.8\% |  |
| Difference | 0.0 | 0.7 | 1.2 | 0.3 | 0.7 | 0.0 | 0.4 | 3.3 |  |  |
| High School Graduate |  |  |  |  |  |  |  |  |  |  |
| Successful Students in Classes of 20112013 | 0.4 | 2.0 | 3.8 | 1.1 | 2.4 | 0.8 | 0.9 | 11.4 |  |  |
| Class of 2016 | 0.3 | 1.4 | 2.8 | 0.7 | 1.7 | 0.9 | 0.7 | 8.6 | 21.2\% |  |
| Difference | 0.1 | 0.6 | 1.0 | 0.3 | 0.7 | -0.1 | 0.3 | 2.8 |  |  |

## SanDERA

Appendix Table 9, Continued: A Comparison by Parental Education of the Average Number of a-g Semester Courses Completed with Grades of D or Higher by the End of Grade 9, Among Students in the Classes of 2011-2013 Who Met the District's New a-g Requirement and Students in the Class of 2016


Some College
Successful Students in Classes of 20112013
$0.5 \quad 2$
2.8
0.9
0.7
12.1

Class of 2016
Difference

| 0.4 | 1.7 | 3.3 | 1.0 | 2.3 | 1.1 | 0.7 | 10.4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0.1 | 0.3 | 0.6 | 0.3 | 0.5 | -0.3 | 0.0 | 1.7 |

$23.4 \%$

College Graduate
Successful Students
in Classes of 2011-
2013

| 0.6 | 2.0 | 4.0 | 1.6 | 3.2 | 0.8 | 0.5 | 12.8 |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.5 | 1.8 | 3.7 | 1.3 | 2.8 | 1.2 | 0.5 | 11.8 | $23.2 \%$ |  |
| 0.2 | 0.2 | 0.3 | 0.2 | 0.4 | -0.4 | 0.0 | 1.0 |  |  |

## SanDERA

Appendix Table 10: For Student Subgroups in the Classes of 2011-2013, Average a-g Semester Courses Completed among Completers, and Percentage Completing, with D or Higher

|  | Average Semester <br> Courses among <br> Completers (2011-2013) | Percent Completing |
| :---: | :---: | :---: |
| All students | 42.0 | $56.7 \%$ |
| Not English learner | 42.2 | $62.8 \%$ |
| English learner | 39.3 | $21.7 \%$ |
| Not in special education | 42.1 |  |
| In special education | 40.3 | $61.5 \%$ |
|  |  | $19.4 \%$ |
| White | 42.4 | $74.0 \%$ |
| African-American | 40.7 | $48.0 \%$ |
| Asian/Pacific Islander | 42.3 | $71.2 \%$ |
| Hispanic | 41.6 | $41.8 \%$ |
|  |  |  |
| Not high school graduate | 41.5 | $41.9 \%$ |
| High school graduate | 41.6 | $50.0 \%$ |
| Some college | 41.9 | $61.8 \%$ |
| College graduate | 42.3 | $75.6 \%$ |
| Post graduate school | 43.1 | $77.9 \%$ |

