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INFORMATION

Office of Shared Accountability
MONTGOMERY COUNTY PUBLIC SCHOOLS
Rockville, Maryland

October 6, 2011

MEMORANDUM

To: Middle School Principals

From: Adrian B. Talley, Associate Superintendent 

Subject: INFORMATION: Successful Completion of Algebra 1 with a C or Higher by Grade 8

This memorandum provides data about students in Montgomery County Public Schools (MCPS) who have completed Algebra 1 with a C or higher by Grade 8. The attainment of a C or higher in Algebra 1 by Grade 8 is Key 4 of the Seven Keys to College Readiness. Research, nationally and within MCPS, indicates that Grade 8 students who have completed Algebra 1 with a C or higher are more likely to enroll in rigorous high school mathematics courses that prepare them for success after high school. The completion of Algebra 1 by Grade 8 is an important factor in mathematics education and for postsecondary planning for students. MCPS encourages all students to complete Algebra 1 with a C or higher by the end of Grade 8. Reflecting the research, MCPS revised the Algebra 1 completion target from a D or higher to a C or higher in 2011. The Algebra 1 M-Stat process continues to be used to monitor students' Algebra 1 enrollment and successful completion with a C or higher.

For the 2010–2011 school year, the performance target for students' successful completion of Algebra 1 by Grade 8 was set at 67.0 percent and was not met for all students. From 2010 to 2011, the rate for successful completion of Algebra 1 by the end of Grade 8 dropped slightly by 0.9 percentage points (Figure 1).



Figure 1. Successful Algebra 1 completion rates for Grade 8 students for 2010 and 2011.

Between 2010 and 2011, there was a 0.9 percentage point increase in the successful Algebra 1 completion rate for Black or African American Grade 8 students; however, the successful completion rate decreased for Asian, Hispanic/Latino, and two or more races (Table 1).

Table 1
Algebra 1 Completion Rate by Race/Ethnicity

| Racial/Ethnic Group | Algebra 1 with C or Higher by Grade 8 | | |
|---------------------------|---------------------------------------|------|------------|
| | 2010 | 2011 | Difference |
| Asian | 83.3 | 81.9 | -1.4 |
| Black or African American | 43.8 | 44.7 | 0.9 |
| Hispanic/Latino | 44.5 | 43.3 | -1.2 |
| White | 79.2 | 79.4 | 0.2 |
| Two or More Races | 72.7 | 68.1 | -4.6 |

There was a slight decrease in the successful Algebra 1 completion rate for Grade 8 female students and students receiving special services. The successful Algebra 1 completion rate for male students and students receiving English for Speakers of Other Languages (ESOL) and Free and Reduced-price Meals System (FARMS) services remained steady (Table 2).

Table 2
Successful Algebra 1 Completion Rate by Gender and Service Group

| Gender/Service Group | Algebra 1 with C or Higher by Grade 8 | | |
|----------------------|---------------------------------------|------|------------|
| | 2010 | 2011 | Difference |
| Male | 60.9 | 60.7 | -0.2 |
| Female | 66.6 | 64.9 | -1.7 |
| Special Education | 24.3 | 20.9 | -3.4 |
| ESOL | 20.7 | 20.6 | -0.1 |
| FARMS | 38.6 | 37.9 | -0.7 |

The attached table indicates that 17 out of 38 middle schools met the Algebra 1 performance target for all Grade 8 students and provides information about students' Algebra 1 participation and the attainment of a C or higher by Grade 8 by middle school, race/ethnicity, gender, and special services. The table presents data for 2010 and 2011 for the purpose of displaying trend data.

If you have any questions, please contact Dr. Vasuki Rethinam, supervisor, Applied Research Unit, Office of Shared Accountability, at 301-279-3564.

ABT:vr

Attachment

Copy to:

Executive Staff

Mrs. Collins

Ms. Ferrell

Ms. Gumula

Dr. Rethinam

Dr. Steinberg

Dr. Mugge

Approved:


Frieda K. Lacey, Deputy Superintendent of Schools

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|---|-----------------------------------|-------|---|------|---|------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| All Middle Schools | 10625 | 10478 | 6768 | 6576 | 63.7 | 62.8 |
| Asian | 1589 | 1547 | 1323 | 1267 | 83.3 | 81.9 |
| Black or African American | 2215 | 2352 | 971 | 1051 | 43.8 | 44.7 |
| Hispanic/Latino | 2570 | 2531 | 1144 | 1095 | 44.5 | 43.3 |
| White | 3791 | 3623 | 3002 | 2876 | 79.2 | 79.4 |
| Two or More Races | 436 | 408 | 317 | 278 | 72.7 | 68.1 |
| Male | 5460 | 5380 | 3327 | 3265 | 60.9 | 60.7 |
| Female | 5165 | 5098 | 3441 | 3311 | 66.6 | 64.9 |
| Special Education | 1263 | 1220 | 307 | 255 | 24.3 | 20.9 |
| ESOL | 478 | 515 | 99 | 106 | 20.7 | 20.6 |
| FARMS | 3128 | 3318 | 1207 | 1256 | 38.6 | 37.9 |
| James Hubert Blake, Paint Branch, Sherwood, Springbrook Clusters | | | | | | |
| Benjamin Banneker | 268 | 280 | 138 | 133 | 51.5 | 47.5 |
| Asian | 39 | 40 | 27 | 33 | 69.2 | 82.5 |
| Black or African American | 149 | 178 | 62 | 71 | 41.6 | 39.9 |
| Hispanic/Latino | 37 | 32 | 17 | 9 | 45.9 | 28.1 |
| White | 36 | 24 | 29 | 17 | 80.6 | 70.8 |
| Two or More Races | 7 | 6 | 3 | 3 | 42.9 | 50.0 |
| Male | 133 | 144 | 58 | 59 | 43.6 | 41.0 |
| Female | 135 | 136 | 80 | 74 | 59.3 | 54.4 |
| Special Education | 23 | 28 | 2 | 4 | 8.7 | 14.3 |
| ESOL | 10 | 19 | 5 | 2 | 50.0 | 10.5 |
| FARMS | 106 | 123 | 42 | 43 | 39.6 | 35.0 |
| Briggs Chaney | 305 | 306 | 141 | 168 | 46.2 | 54.9 |
| Asian | 57 | 46 | 38 | 34 | 66.7 | 73.9 |
| Black or African American | 130 | 151 | 42 | 69 | 32.3 | 45.7 |
| Hispanic/Latino | 51 | 56 | 18 | 20 | 35.3 | 35.7 |
| White | 57 | 39 | 40 | 37 | 70.2 | 94.9 |
| Two or More Races | 9 | 14 | 2 | 8 | 22.2 | 57.1 |
| Male | 158 | 154 | 69 | 78 | 43.7 | 50.6 |
| Female | 147 | 152 | 72 | 90 | 49.0 | 59.2 |
| Special Education | 35 | 29 | 3 | 5 | 8.6 | 17.2 |
| ESOL | 5 | 9 | 1 | 0 | 20.0 | 0.0 |
| FARMS | 126 | 127 | 43 | 48 | 34.1 | 37.8 |
| William H. Farquhar | 232 | 218 | 153 | 160 | 65.9 | 73.4 |
| Asian | 32 | 33 | 27 | 30 | 84.4 | 90.9 |
| Black or African American | 43 | 47 | 24 | 26 | 55.8 | 55.3 |
| Hispanic/Latino | 30 | 22 | 13 | 12 | 43.3 | 54.5 |
| White | 115 | 105 | 85 | 85 | 73.9 | 81.0 |
| Two or More Races | 12 | 10 | 4 | 6 | 33.3 | 60.0 |
| Male | 119 | 102 | 72 | 64 | 60.5 | 62.7 |
| Female | 113 | 116 | 81 | 96 | 71.7 | 82.8 |
| Special Education | 29 | 26 | 2 | 5 | 6.9 | 19.2 |
| ESOL | 3 | 9 | -- | 3 | -- | 33.3 |
| FARMS | 33 | 26 | 13 | 13 | 39.4 | 50.0 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|--|-----------------------------------|------|---|------|---|-------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Francis Scott Key | 269 | 297 | 132 | 159 | 49.1 | 53.5 |
| Asian | 32 | 33 | 22 | 25 | 68.8 | 75.8 |
| Black or African American | 131 | 117 | 63 | 55 | 48.1 | 47.0 |
| Hispanic/Latino | 83 | 122 | 27 | 57 | 32.5 | 46.7 |
| White | 20 | 18 | 18 | 15 | 90.0 | 83.3 |
| Two or More Races | 2 | 5 | -- | 5 | -- | 100.0 |
| Male | 132 | 154 | 63 | 67 | 47.7 | 43.5 |
| Female | 137 | 143 | 69 | 92 | 50.4 | 64.3 |
| Special Education | 23 | 34 | 3 | 6 | 13.0 | 17.6 |
| ESOL | 22 | 27 | 2 | 4 | 9.1 | 14.8 |
| FARMS | 157 | 188 | 63 | 89 | 40.1 | 47.3 |
| Rosa M. Parks | 288 | 298 | 189 | 220 | 65.6 | 73.8 |
| Asian | 14 | 24 | 12 | 22 | 85.7 | 91.7 |
| Black or African American | 26 | 44 | 16 | 22 | 61.5 | 50.0 |
| Hispanic/Latino | 29 | 26 | 13 | 15 | 44.8 | 57.7 |
| White | 210 | 190 | 142 | 148 | 67.6 | 77.9 |
| Two or More Races | 8 | 14 | 5 | 13 | 62.5 | 92.9 |
| Male | 137 | 166 | 85 | 125 | 62.0 | 75.3 |
| Female | 151 | 132 | 104 | 95 | 68.9 | 72.0 |
| Special Education | 41 | 32 | 5 | 8 | 12.2 | 25.0 |
| ESOL | 2 | 0 | -- | -- | -- | -- |
| FARMS | 31 | 26 | 11 | 12 | 35.5 | 46.2 |
| White Oak | 219 | 217 | 125 | 143 | 57.1 | 65.9 |
| Asian | 33 | 29 | 27 | 24 | 81.8 | 82.8 |
| Black or African American | 64 | 68 | 34 | 46 | 53.1 | 67.6 |
| Hispanic/Latino | 87 | 90 | 35 | 47 | 40.2 | 52.2 |
| White | 30 | 21 | 26 | 19 | 86.7 | 90.5 |
| Two or More Races | 5 | 8 | 3 | 6 | 60.0 | 75.0 |
| Male | 120 | 114 | 66 | 69 | 55.0 | 60.5 |
| Female | 99 | 103 | 59 | 74 | 59.6 | 71.8 |
| Special Education | 26 | 23 | 6 | 8 | 23.1 | 34.8 |
| ESOL | 26 | 13 | 3 | 4 | 11.5 | 30.8 |
| FARMS | 124 | 134 | 49 | 76 | 39.5 | 56.7 |
| Winston Churchill, Richard Montgomery, Poolesville, Rockville, Thomas S. Wootton Clusters | | | | | | |
| Cabin John | 326 | 302 | 271 | 249 | 83.1 | 82.5 |
| Asian | 85 | 76 | 72 | 71 | 84.7 | 93.4 |
| Black or African American | 30 | 26 | 21 | 14 | 70.0 | 53.8 |
| Hispanic/Latino | 25 | 27 | 16 | 18 | 64.0 | 66.7 |
| White | 164 | 163 | 142 | 138 | 86.6 | 84.7 |
| Two or More Races | 20 | 10 | 19 | 8 | 95.0 | 80.0 |
| Male | 171 | 159 | 132 | 130 | 77.2 | 81.8 |
| Female | 155 | 143 | 139 | 119 | 89.7 | 83.2 |
| Special Education | 39 | 38 | 9 | 8 | 23.1 | 21.1 |
| ESOL | 7 | 4 | 3 | -- | 42.9 | -- |
| FARMS | 19 | 18 | 8 | 7 | 42.1 | 38.9 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|---------------------------|-----------------------------------|------|---|------|---|------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Robert Frost | 440 | 393 | 347 | 314 | 78.9 | 79.9 |
| Asian | 139 | 146 | 122 | 125 | 87.8 | 85.6 |
| Black or African American | 15 | 22 | 6 | 12 | 40.0 | 54.5 |
| Hispanic/Latino | 37 | 23 | 25 | 9 | 67.6 | 39.1 |
| White | 215 | 188 | 167 | 157 | 77.7 | 83.5 |
| Two or More Races | 34 | 14 | 27 | 11 | 79.4 | 78.6 |
| Male | 224 | 209 | 180 | 169 | 80.4 | 80.9 |
| Female | 216 | 184 | 167 | 145 | 77.3 | 78.8 |
| Special Education | 35 | 31 | 9 | 4 | 25.7 | 12.9 |
| ESOL | 8 | 7 | 3 | 4 | 37.5 | 57.1 |
| FARMS | 27 | 25 | 13 | 7 | 48.1 | 28.0 |
| Herbert Hoover | 348 | 340 | 307 | 298 | 88.2 | 87.6 |
| Asian | 85 | 94 | 85 | 88 | 100.0 | 93.6 |
| Black or African American | 22 | 16 | 12 | 7 | 54.5 | 43.8 |
| Hispanic/Latino | 23 | 34 | 17 | 25 | 73.9 | 73.5 |
| White | 206 | 185 | 183 | 168 | 88.8 | 90.8 |
| Two or More Races | 12 | 11 | 10 | 10 | 83.3 | 90.9 |
| Male | 172 | 178 | 146 | 151 | 84.9 | 84.8 |
| Female | 176 | 162 | 161 | 147 | 91.5 | 90.7 |
| Special Education | 43 | 38 | 19 | 17 | 44.2 | 44.7 |
| ESOL | 4 | 9 | -- | 5 | -- | 55.6 |
| FARMS | 14 | 17 | 7 | 7 | 50.0 | 41.2 |
| John Poole | 139 | 104 | 98 | 71 | 70.5 | 68.3 |
| Asian | 0 | 1 | -- | -- | -- | -- |
| Black or African American | 10 | 8 | 3 | 2 | 30.0 | 25.0 |
| Hispanic/Latino | 12 | 8 | 9 | 5 | 75.0 | 62.5 |
| White | 114 | 80 | 83 | 58 | 72.8 | 72.5 |
| Two or More Races | 2 | 7 | -- | 5 | -- | 71.4 |
| Male | 76 | 49 | 55 | 37 | 72.4 | 75.5 |
| Female | 63 | 55 | 43 | 34 | 68.3 | 61.8 |
| Special Education | 10 | 13 | 3 | 3 | 30.0 | 23.1 |
| ESOL | 0 | 0 | -- | -- | -- | -- |
| FARMS | 15 | 14 | 4 | 4 | 26.7 | 28.6 |
| Julius West | 330 | 365 | 208 | 209 | 63.0 | 57.3 |
| Asian | 71 | 78 | 52 | 52 | 73.2 | 66.7 |
| Black or African American | 54 | 65 | 28 | 33 | 51.9 | 50.8 |
| Hispanic/Latino | 78 | 104 | 26 | 42 | 33.3 | 40.4 |
| White | 99 | 100 | 80 | 69 | 80.8 | 69.0 |
| Two or More Races | 27 | 18 | 21 | 13 | 77.8 | 72.2 |
| Male | 165 | 176 | 95 | 97 | 57.6 | 55.1 |
| Female | 165 | 189 | 113 | 112 | 68.5 | 59.3 |
| Special Education | 27 | 47 | 2 | 7 | 7.4 | 14.9 |
| ESOL | 28 | 30 | 2 | 3 | 7.1 | 10.0 |
| FARMS | 96 | 118 | 43 | 46 | 44.8 | 39.0 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|--|-----------------------------------|------|---|------|---|------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Earle B. Wood | 294 | 287 | 212 | 208 | 72.1 | 72.5 |
| Asian | 31 | 27 | 27 | 23 | 87.1 | 85.2 |
| Black or African American | 51 | 53 | 22 | 31 | 43.1 | 58.5 |
| Hispanic/Latino | 99 | 86 | 64 | 56 | 64.6 | 65.1 |
| White | 105 | 110 | 91 | 90 | 86.7 | 81.8 |
| Two or More Races | 8 | 10 | 8 | 8 | 100.0 | 80.0 |
| Male | 135 | 132 | 94 | 87 | 69.6 | 65.9 |
| Female | 159 | 155 | 118 | 121 | 74.2 | 78.1 |
| Special Education | 47 | 37 | 20 | 18 | 42.6 | 48.6 |
| ESOL | 12 | 9 | 4 | 1 | 33.3 | 11.1 |
| FARMS | 99 | 101 | 53 | 61 | 53.5 | 60.4 |
| Clarksburg, Northwest, Quince Orchard, Seneca Valley Clusters | | | | | | |
| Roberto W. Clemente | 374 | 402 | 220 | 224 | 58.8 | 55.7 |
| Asian | 76 | 83 | 68 | 71 | 89.5 | 85.5 |
| Black or African American | 107 | 99 | 37 | 37 | 34.6 | 37.4 |
| Hispanic/Latino | 91 | 106 | 43 | 35 | 47.3 | 33.0 |
| White | 88 | 99 | 64 | 73 | 72.7 | 73.7 |
| Two or More Races | 12 | 13 | 8 | 7 | 66.7 | 53.8 |
| Male | 187 | 211 | 102 | 115 | 54.5 | 54.5 |
| Female | 187 | 191 | 118 | 109 | 63.1 | 57.1 |
| Special Education | 45 | 60 | 14 | 12 | 31.1 | 20.0 |
| ESOL | 7 | 12 | 3 | 3 | 42.9 | 25.0 |
| FARMS | 120 | 140 | 41 | 39 | 34.2 | 27.9 |
| Dr. Martin Luther King, Jr. | 195 | 204 | 133 | 132 | 68.2 | 64.7 |
| Asian | 31 | 15 | 27 | 12 | 87.1 | 80.0 |
| Black or African American | 50 | 66 | 28 | 36 | 56.0 | 54.5 |
| Hispanic/Latino | 57 | 54 | 33 | 28 | 57.9 | 51.9 |
| White | 45 | 54 | 39 | 43 | 86.7 | 79.6 |
| Two or More Races | 12 | 15 | 6 | 13 | 50.0 | 86.7 |
| Male | 89 | 108 | 57 | 71 | 64.0 | 65.7 |
| Female | 106 | 96 | 76 | 61 | 71.7 | 63.5 |
| Special Education | 26 | 28 | 6 | 3 | 23.1 | 10.7 |
| ESOL | 11 | 7 | 1 | 4 | 9.1 | 57.1 |
| FARMS | 74 | 81 | 43 | 41 | 58.1 | 50.6 |
| Kingsview | 290 | 294 | 225 | 224 | 77.6 | 76.2 |
| Asian | 81 | 85 | 72 | 78 | 88.9 | 91.8 |
| Black or African American | 58 | 57 | 32 | 29 | 55.2 | 50.9 |
| Hispanic/Latino | 35 | 35 | 24 | 22 | 68.6 | 62.9 |
| White | 96 | 97 | 79 | 86 | 82.3 | 88.7 |
| Two or More Races | 19 | 19 | 17 | 9 | 89.5 | 47.4 |
| Male | 140 | 158 | 100 | 112 | 71.4 | 70.9 |
| Female | 150 | 136 | 125 | 112 | 83.3 | 82.4 |
| Special Education | 25 | 27 | 6 | 7 | 24.0 | 25.9 |
| ESOL | 4 | 4 | -- | -- | -- | -- |
| FARMS | 49 | 65 | 29 | 32 | 59.2 | 49.2 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|---|-----------------------------------|------|---|------|---|------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Lakelands Park | 304 | 284 | 214 | 210 | 70.4 | 73.9 |
| Asian | 43 | 43 | 41 | 35 | 95.3 | 81.4 |
| Black or African American | 45 | 40 | 17 | 21 | 37.8 | 52.5 |
| Hispanic/Latino | 50 | 52 | 24 | 31 | 48.0 | 59.6 |
| White | 156 | 140 | 125 | 115 | 80.1 | 82.1 |
| Two or More Races | 10 | 8 | 7 | 7 | 70.0 | 87.5 |
| Male | 156 | 156 | 102 | 112 | 65.4 | 71.8 |
| Female | 148 | 128 | 112 | 98 | 75.7 | 76.6 |
| Special Education | 37 | 47 | 10 | 16 | 27.0 | 34.0 |
| ESOL | 14 | 12 | 2 | 3 | 14.3 | 25.0 |
| FARMS | 49 | 67 | 15 | 29 | 30.6 | 43.3 |
| Ridgeview | 254 | 228 | 184 | 154 | 72.4 | 67.5 |
| Asian | 43 | 32 | 37 | 26 | 86.0 | 81.3 |
| Black or African American | 32 | 39 | 14 | 16 | 43.8 | 41.0 |
| Hispanic/Latino | 43 | 50 | 17 | 24 | 39.5 | 48.0 |
| White | 129 | 95 | 109 | 81 | 84.5 | 85.3 |
| Two or More Races | 6 | 12 | 6 | 7 | 100.0 | 58.3 |
| Male | 130 | 112 | 90 | 80 | 69.2 | 71.4 |
| Female | 124 | 116 | 94 | 74 | 75.8 | 63.8 |
| Special Education | 25 | 15 | 3 | 2 | 12.0 | 13.3 |
| ESOL | 5 | 7 | 0 | 1 | 0.0 | 14.3 |
| FARMS | 54 | 58 | 19 | 19 | 35.2 | 32.8 |
| Rocky Hill | 382 | 412 | 223 | 242 | 58.4 | 58.7 |
| Asian | 73 | 80 | 59 | 59 | 80.8 | 73.8 |
| Black or African American | 60 | 94 | 19 | 35 | 31.7 | 37.2 |
| Hispanic/Latino | 67 | 65 | 23 | 25 | 34.3 | 38.5 |
| White | 161 | 159 | 110 | 115 | 68.3 | 72.3 |
| Two or More Races | 21 | 13 | 12 | 7 | 57.1 | 53.8 |
| Male | 204 | 221 | 110 | 123 | 53.9 | 55.7 |
| Female | 178 | 191 | 113 | 119 | 63.5 | 62.3 |
| Special Education | 40 | 39 | 4 | 4 | 10.0 | 10.3 |
| ESOL | 8 | 13 | 1 | 1 | 12.5 | 7.7 |
| FARMS | 75 | 93 | 22 | 29 | 29.3 | 31.2 |
| Montgomery Blair, Albert Einstein, John F. Kennedy, Northwood Clusters | | | | | | |
| Argyle | 286 | 251 | 136 | 122 | 47.6 | 48.6 |
| Asian | 36 | 28 | 28 | 21 | 77.8 | 75.0 |
| Black or African American | 104 | 107 | 35 | 56 | 33.7 | 52.3 |
| Hispanic/Latino | 99 | 100 | 39 | 37 | 39.4 | 37.0 |
| White | 37 | 11 | 29 | 6 | 78.4 | 54.5 |
| Two or More Races | 10 | 4 | 5 | -- | 50.0 | -- |
| Male | 160 | 132 | 73 | 65 | 45.6 | 49.2 |
| Female | 126 | 119 | 63 | 57 | 50.0 | 47.9 |
| Special Education | 38 | 24 | 7 | 1 | 18.4 | 4.2 |
| ESOL | 17 | 19 | 1 | 4 | 5.9 | 21.1 |
| FARMS | 146 | 153 | 53 | 66 | 36.3 | 43.1 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|----------------------------|-----------------------------------|------|---|------|---|------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Eastern | 261 | 265 | 134 | 125 | 51.3 | 47.2 |
| Asian | 40 | 33 | 27 | 28 | 67.5 | 84.8 |
| Black or African American | 66 | 76 | 28 | 24 | 42.4 | 31.6 |
| Hispanic/Latino | 87 | 88 | 18 | 13 | 20.7 | 14.8 |
| White | 56 | 60 | 53 | 53 | 94.6 | 88.3 |
| Two or More Races | 10 | 8 | 8 | 7 | 80.0 | 87.5 |
| Male | 137 | 108 | 58 | 44 | 42.3 | 40.7 |
| Female | 124 | 157 | 76 | 81 | 61.3 | 51.6 |
| Special Education | 29 | 26 | 1 | 1 | 3.4 | 3.8 |
| ESOL | 22 | 23 | 3 | 0 | 13.6 | 0.0 |
| FARMS | 129 | 129 | 32 | 18 | 24.8 | 14.0 |
| Col. E. Brooke Lee | 144 | 203 | 67 | 100 | 46.5 | 49.3 |
| Asian | 14 | 18 | 11 | 14 | 78.6 | 77.8 |
| Black or African American | 59 | 64 | 26 | 36 | 44.1 | 56.3 |
| Hispanic/Latino | 57 | 91 | 21 | 33 | 36.8 | 36.3 |
| White | 12 | 24 | 8 | 14 | 66.7 | 58.3 |
| Two or More Races | 1 | 5 | -- | 3 | -- | 60.0 |
| Male | 74 | 118 | 29 | 57 | 39.2 | 48.3 |
| Female | 70 | 85 | 38 | 43 | 54.3 | 50.6 |
| Special Education | 28 | 28 | 11 | 7 | 39.3 | 25.0 |
| ESOL | 15 | 25 | 0 | 7 | 0.0 | 28.0 |
| FARMS | 85 | 133 | 32 | 53 | 37.6 | 39.8 |
| Newport Mill | 229 | 233 | 145 | 124 | 63.3 | 53.2 |
| Asian | 23 | 34 | 19 | 26 | 82.6 | 76.5 |
| Black or African American | 47 | 39 | 27 | 18 | 57.4 | 46.2 |
| Hispanic/Latino | 124 | 117 | 68 | 54 | 54.8 | 46.2 |
| White | 25 | 40 | 23 | 23 | 92.0 | 57.5 |
| Two or More Races | 7 | 3 | 6 | -- | 85.7 | -- |
| Male | 124 | 130 | 76 | 61 | 61.3 | 46.9 |
| Female | 105 | 103 | 69 | 63 | 65.7 | 61.2 |
| Special Education | 37 | 41 | 11 | 4 | 29.7 | 9.8 |
| ESOL | 20 | 14 | 4 | 2 | 20.0 | 14.3 |
| FARMS | 125 | 131 | 65 | 61 | 52.0 | 46.6 |
| Silver Spring Int'l | 249 | 271 | 144 | 194 | 57.8 | 71.6 |
| Asian | 14 | 22 | 9 | 19 | 64.3 | 86.4 |
| Black or African American | 66 | 77 | 37 | 52 | 56.1 | 67.5 |
| Hispanic/Latino | 109 | 94 | 46 | 53 | 42.2 | 56.4 |
| White | 52 | 72 | 47 | 67 | 90.4 | 93.1 |
| Two or More Races | 7 | 6 | 4 | 3 | 57.1 | 50.0 |
| Male | 141 | 126 | 86 | 83 | 61.0 | 65.9 |
| Female | 108 | 145 | 58 | 111 | 53.7 | 76.6 |
| Special Education | 29 | 33 | 13 | 9 | 44.8 | 27.3 |
| ESOL | 18 | 12 | 6 | 2 | 33.3 | 16.7 |
| FARMS | 122 | 113 | 58 | 65 | 47.5 | 57.5 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|---|-----------------------------------|------|---|------|---|-------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Sligo | 211 | 186 | 113 | 109 | 53.6 | 58.6 |
| Asian | 17 | 22 | 12 | 17 | 70.6 | 77.3 |
| Black or African American | 55 | 41 | 24 | 23 | 43.6 | 56.1 |
| Hispanic/Latino | 97 | 79 | 38 | 33 | 39.2 | 41.8 |
| White | 37 | 41 | 35 | 33 | 94.6 | 80.5 |
| Two or More Races | 4 | 3 | -- | -- | -- | -- |
| Male | 118 | 93 | 60 | 50 | 50.8 | 53.8 |
| Female | 93 | 93 | 53 | 59 | 57.0 | 63.4 |
| Special Education | 33 | 27 | 9 | 8 | 27.3 | 29.6 |
| ESOL | 15 | 13 | 1 | 2 | 6.7 | 15.4 |
| FARMS | 113 | 87 | 42 | 42 | 37.2 | 48.3 |
| Takoma Park | 288 | 279 | 217 | 205 | 75.3 | 73.5 |
| Asian | 54 | 60 | 51 | 56 | 94.4 | 93.3 |
| Black or African American | 79 | 67 | 37 | 36 | 46.8 | 53.7 |
| Hispanic/Latino | 44 | 44 | 24 | 17 | 54.5 | 38.6 |
| White | 99 | 86 | 95 | 78 | 96.0 | 90.7 |
| Two or More Races | 12 | 21 | 10 | 17 | 83.3 | 81.0 |
| Male | 149 | 154 | 115 | 116 | 77.2 | 75.3 |
| Female | 139 | 125 | 102 | 89 | 73.4 | 71.2 |
| Special Education | 28 | 21 | 15 | 8 | 53.6 | 38.1 |
| ESOL | 16 | 15 | 2 | 3 | 12.5 | 20.0 |
| FARMS | 76 | 48 | 35 | 21 | 46.1 | 43.8 |
| Bethesda-Chevy Chase, Walter Johnson, Wheaton, Walt Whitman Clusters | | | | | | |
| A. Mario Loiederman | 334 | 245 | 165 | 125 | 49.4 | 51.0 |
| Asian | 30 | 20 | 23 | 13 | 76.7 | 65.0 |
| Black or African American | 67 | 66 | 29 | 23 | 43.3 | 34.8 |
| Hispanic/Latino | 160 | 122 | 60 | 62 | 37.5 | 50.8 |
| White | 59 | 27 | 44 | 20 | 74.6 | 74.1 |
| Two or More Races | 18 | 10 | 9 | 7 | 50.0 | 70.0 |
| Male | 139 | 117 | 65 | 46 | 46.8 | 39.3 |
| Female | 195 | 128 | 100 | 79 | 51.3 | 61.7 |
| Special Education | 34 | 39 | 8 | 7 | 23.5 | 17.9 |
| ESOL | 20 | 21 | 4 | 3 | 20.0 | 14.3 |
| FARMS | 168 | 154 | 58 | 61 | 34.5 | 39.6 |
| North Bethesda | 269 | 269 | 220 | 225 | 81.8 | 83.6 |
| Asian | 39 | 23 | 36 | 23 | 92.3 | 100.0 |
| Black or African American | 10 | 23 | 3 | 13 | 30.0 | 56.5 |
| Hispanic/Latino | 44 | 39 | 34 | 29 | 77.3 | 74.4 |
| White | 158 | 166 | 131 | 144 | 82.9 | 86.7 |
| Two or More Races | 18 | 18 | 16 | 16 | 88.9 | 88.9 |
| Male | 141 | 132 | 112 | 108 | 79.4 | 81.8 |
| Female | 128 | 137 | 108 | 117 | 84.4 | 85.4 |
| Special Education | 38 | 21 | 17 | 8 | 44.7 | 38.1 |
| ESOL | 10 | 7 | 7 | 6 | 70.0 | 85.7 |
| FARMS | 16 | 18 | 8 | 6 | 50.0 | 33.3 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|---------------------------|-----------------------------------|------|---|------|---|------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Parkland | 299 | 284 | 174 | 123 | 58.2 | 43.3 |
| Asian | 35 | 45 | 25 | 32 | 71.4 | 71.1 |
| Black or African American | 76 | 74 | 37 | 27 | 48.7 | 36.5 |
| Hispanic/Latino | 120 | 127 | 55 | 38 | 45.8 | 29.9 |
| White | 59 | 33 | 52 | 23 | 88.1 | 69.7 |
| Two or More Races | 7 | 5 | 5 | 3 | 71.4 | 60.0 |
| Male | 178 | 140 | 110 | 68 | 61.8 | 48.6 |
| Female | 121 | 144 | 64 | 55 | 52.9 | 38.2 |
| Special Education | 32 | 36 | 9 | 6 | 28.1 | 16.7 |
| ESOL | 14 | 15 | 0 | 1 | 0.0 | 6.7 |
| FARMS | 128 | 148 | 44 | 43 | 34.4 | 29.1 |
| Thomas W. Pyle | 494 | 412 | 371 | 339 | 75.1 | 82.3 |
| Asian | 57 | 38 | 49 | 31 | 86.0 | 81.6 |
| Black or African American | 17 | 13 | 6 | 8 | 35.3 | 61.5 |
| Hispanic/Latino | 53 | 30 | 28 | 20 | 52.8 | 66.7 |
| White | 343 | 311 | 270 | 264 | 78.7 | 84.9 |
| Two or More Races | 24 | 20 | 18 | 16 | 75.0 | 80.0 |
| Male | 259 | 212 | 202 | 171 | 78.0 | 80.7 |
| Female | 235 | 200 | 169 | 168 | 71.9 | 84.0 |
| Special Education | 57 | 44 | 20 | 15 | 35.1 | 34.1 |
| ESOL | 25 | 20 | 9 | 10 | 36.0 | 50.0 |
| FARMS | 11 | 5 | 4 | 3 | 36.4 | 60.0 |
| Tilden | 241 | 239 | 162 | 173 | 67.2 | 72.4 |
| Asian | 47 | 46 | 39 | 41 | 83.0 | 89.1 |
| Black or African American | 10 | 26 | 3 | 12 | 30.0 | 46.2 |
| Hispanic/Latino | 46 | 33 | 24 | 21 | 52.2 | 63.6 |
| White | 131 | 125 | 91 | 94 | 69.5 | 75.2 |
| Two or More Races | 7 | 9 | 5 | 5 | 71.4 | 55.6 |
| Male | 140 | 118 | 93 | 87 | 66.4 | 73.7 |
| Female | 101 | 121 | 69 | 86 | 68.3 | 71.1 |
| Special Education | 40 | 31 | 9 | 7 | 22.5 | 22.6 |
| ESOL | 14 | 18 | 7 | 10 | 50.0 | 55.6 |
| FARMS | 27 | 25 | 10 | 13 | 37.0 | 52.0 |
| Westland | 359 | 431 | 256 | 312 | 71.3 | 72.4 |
| Asian | 23 | 25 | 18 | 19 | 78.3 | 76.0 |
| Black or African American | 59 | 56 | 27 | 25 | 45.8 | 44.6 |
| Hispanic/Latino | 66 | 63 | 41 | 34 | 62.1 | 54.0 |
| White | 191 | 267 | 154 | 218 | 80.6 | 81.6 |
| Two or More Races | 20 | 19 | 16 | 16 | 80.0 | 84.2 |
| Male | 187 | 224 | 129 | 161 | 69.0 | 71.9 |
| Female | 172 | 207 | 127 | 151 | 73.8 | 72.9 |
| Special Education | 41 | 35 | 14 | 8 | 34.1 | 22.9 |
| ESOL | 11 | 12 | 3 | 5 | 27.3 | 41.7 |
| FARMS | 46 | 40 | 17 | 10 | 37.0 | 25.0 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|--|-----------------------------------|------|---|------|---|------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Damascus, Gaithersburg, Magruder, Watkins Mill Clusters | | | | | | |
| John T. Baker | 218 | 237 | 157 | 132 | 72.0 | 55.7 |
| Asian | 10 | 8 | 9 | 5 | 90.0 | 62.5 |
| Black or African American | 19 | 23 | 6 | 5 | 31.6 | 21.7 |
| Hispanic/Latino | 27 | 29 | 18 | 16 | 66.7 | 55.2 |
| White | 152 | 167 | 118 | 104 | 77.6 | 62.3 |
| Two or More Races | 9 | 10 | 6 | 2 | 66.7 | 20.0 |
| Male | 106 | 122 | 72 | 62 | 67.9 | 50.8 |
| Female | 112 | 115 | 85 | 70 | 75.9 | 60.9 |
| Special Education | 33 | 30 | 8 | 5 | 24.2 | 16.7 |
| ESOL | 0 | 0 | -- | -- | -- | -- |
| FARMS | 31 | 36 | 11 | 10 | 35.5 | 27.8 |
| Forest Oak | 275 | 304 | 98 | 109 | 35.6 | 35.9 |
| Asian | 32 | 38 | 22 | 23 | 68.8 | 60.5 |
| Black or African American | 67 | 79 | 21 | 17 | 31.3 | 21.5 |
| Hispanic/Latino | 124 | 103 | 27 | 26 | 21.8 | 25.2 |
| White | 50 | 70 | 28 | 37 | 56.0 | 52.9 |
| Two or More Races | 1 | 14 | -- | 6 | -- | 42.9 |
| Male | 152 | 150 | 51 | 57 | 33.6 | 38.0 |
| Female | 123 | 154 | 47 | 52 | 38.2 | 33.8 |
| Special Education | 46 | 41 | 4 | 6 | 8.7 | 14.6 |
| ESOL | 20 | 22 | 3 | 2 | 15.0 | 9.1 |
| FARMS | 134 | 151 | 23 | 33 | 17.2 | 21.9 |
| Gaithersburg | 248 | 226 | 146 | 116 | 58.9 | 51.3 |
| Asian | 23 | 18 | 21 | 13 | 91.3 | 72.2 |
| Black or African American | 69 | 48 | 38 | 20 | 55.1 | 41.7 |
| Hispanic/Latino | 76 | 80 | 29 | 28 | 38.2 | 35.0 |
| White | 62 | 69 | 47 | 51 | 75.8 | 73.9 |
| Two or More Races | 16 | 11 | 11 | 4 | 68.8 | 36.4 |
| Male | 126 | 118 | 70 | 58 | 55.6 | 49.2 |
| Female | 122 | 108 | 76 | 58 | 62.3 | 53.7 |
| Special Education | 38 | 33 | 6 | 3 | 15.8 | 9.1 |
| ESOL | 9 | 16 | 2 | 2 | 22.2 | 12.5 |
| FARMS | 90 | 80 | 35 | 24 | 38.9 | 30.0 |
| Montgomery Village | 233 | 212 | 123 | 95 | 52.8 | 44.8 |
| Asian | 16 | 22 | 9 | 16 | 56.3 | 72.7 |
| Black or African American | 87 | 74 | 38 | 27 | 43.7 | 36.5 |
| Hispanic/Latino | 85 | 85 | 39 | 35 | 45.9 | 41.2 |
| White | 37 | 23 | 31 | 12 | 83.8 | 52.2 |
| Two or More Races | 8 | 7 | 6 | 4 | 75.0 | 57.1 |
| Male | 120 | 116 | 55 | 54 | 45.8 | 46.6 |
| Female | 113 | 96 | 68 | 41 | 60.2 | 42.7 |
| Special Education | 27 | 40 | 6 | 5 | 22.2 | 12.5 |
| ESOL | 19 | 18 | 2 | 5 | 10.5 | 27.8 |
| FARMS | 127 | 120 | 53 | 48 | 41.7 | 40.0 |

(continued)

Number and Percentage of MCPS Grade 8 Students
Who Successfully Completed Algebra 1 with a C or Higher
from 2010 to 2011 by Middle School and Demographic Group

| Cluster/ School/Group | N of Grade 8 Students Enrolled | | N Completing Algebra 1 with a C or Higher | | % Completing Algebra 1 with a C or Higher | |
|---------------------------|-----------------------------------|------|---|------|---|------|
| | 2010 | 2011 | 2010 | 2011 | 2010 | 2011 |
| Neelsville | 291 | 300 | 112 | 80 | 38.5 | 26.7 |
| Asian | 38 | 32 | 30 | 22 | 78.9 | 68.8 |
| Black or African American | 100 | 122 | 28 | 25 | 28.0 | 20.5 |
| Hispanic/Latino | 97 | 97 | 25 | 11 | 25.8 | 11.3 |
| White | 45 | 39 | 21 | 20 | 46.7 | 51.3 |
| Two or More Races | 10 | 9 | 8 | 2 | 80.0 | 22.2 |
| Male | 142 | 157 | 46 | 45 | 32.4 | 28.7 |
| Female | 149 | 143 | 66 | 35 | 44.3 | 24.5 |
| Special Education | 34 | 27 | 2 | 1 | 5.9 | 3.7 |
| ESOL | 24 | 31 | 6 | 0 | 25.0 | 0.0 |
| FARMS | 148 | 171 | 47 | 22 | 31.8 | 12.9 |
| Redland | 223 | 199 | 154 | 114 | 69.1 | 57.3 |
| Asian | 43 | 16 | 39 | 13 | 90.7 | 81.3 |
| Black or African American | 39 | 44 | 20 | 19 | 51.3 | 43.2 |
| Hispanic/Latino | 59 | 57 | 29 | 23 | 49.2 | 40.4 |
| White | 75 | 70 | 60 | 53 | 80.0 | 75.7 |
| Two or More Races | 7 | 11 | 6 | 6 | 85.7 | 54.5 |
| Male | 114 | 103 | 80 | 54 | 70.2 | 52.4 |
| Female | 109 | 96 | 74 | 60 | 67.9 | 62.5 |
| Special Education | 20 | 25 | 4 | 6 | 20.0 | 24.0 |
| ESOL | 9 | 13 | 0 | 2 | 0.0 | 15.4 |
| FARMS | 70 | 77 | 31 | 23 | 44.3 | 29.9 |
| Shady Grove | 216 | 201 | 154 | 136 | 71.3 | 67.7 |
| Asian | 33 | 34 | 31 | 26 | 93.9 | 76.5 |
| Black or African American | 42 | 43 | 21 | 23 | 50.0 | 53.5 |
| Hispanic/Latino | 62 | 61 | 37 | 32 | 59.7 | 52.5 |
| White | 65 | 55 | 53 | 48 | 81.5 | 87.3 |
| Two or More Races | 14 | 8 | 12 | 7 | 85.7 | 87.5 |
| Male | 105 | 107 | 69 | 72 | 65.7 | 67.3 |
| Female | 111 | 94 | 85 | 64 | 76.6 | 68.1 |
| Special Education | 25 | 26 | 7 | 3 | 28.0 | 11.5 |
| ESOL | 4 | 10 | -- | 1 | -- | 10.0 |
| FARMS | 68 | 78 | 31 | 32 | 45.6 | 41.0 |

Note. American Indian or Alaskan Native and Native Hawaiian or Other Pacific Islander students are included with all students but are not reported separately. Results are not reported (--) for groups with fewer than five students enrolled. FARMS = Free and Reduced-price Meals System; ESOL = English for Speakers of Other Languages.

Successful completion of Algebra 1 is based upon students who earned a course grade of C or higher in both semesters 1 and 2 and a D or higher on the semester 2 final exam by the end of Grade 8.