February 24, 2009

## MEMORANDUM

To: Members of the Board of Education
From: Jerry D. Weast, Superintendent of Schools
Subject: Honors or Advanced Placement Course Enrollment 2007-2008 Report

In my memorandum to the members of the Board of Education dated February 4, 2009, you received information about the Class of 2008 Advanced Placement (AP) exam participation and performance. The attached report entitled, Honors or Advanced Placement Course Enrollment 2007-2008, provides further information regarding Honors and AP course enrollment. This report also includes individual school data.

Compared with 2006-2007, enrollment in at least one Honors or AP course increased for all students and for all groups of students. The rate of enrollment has continuously increased over the last seven years. Overall, 74 percent of last year's comprehensive high school students were enrolled in such courses, as compared with 58 percent in the 2000-2001 school year.

The attached report provides data in relation to established targets for student participation in at least one Honors or AP course through 2010. The report and individual school data also are posted at www.montgomeryschoolsmd.org/departments/regulatoryaccountability/pdf/reports/HAP2008.pdf.

If you have any questions, please contact Dr. Stacy L. Scott, associate superintendent, Office of Shared Accountability, at 301-279-3925.

JDW:amg
Attachment
Copy to:
Executive Staff


Honors or Advanced Placement Course Enrollment 2007-2008

Department of Policy, Records, and Reporting
February 2009

Missy Gumula

## - Montgomery County Public Schools

## Department of Policy, Records, and Reporting

Mrs. Stephanie P. Williams, Director
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Dr. Jerry D. Weast Superintendent of Schools

Dr. Stacy L. Scott
Associate Superintendent

# Honors or Advanced Placement Course Enrollment 2007-2008 

## Background

## 2007-2008 Enrollment in at Least One Honors or Advanced Placement Course

Continued progress was made during the 2007-2008 school year in increasing the enrollment of students in at least one Honors or Advanced Placement (AP) course in high school. Montgomery County Public Schools (MCPS) seeks to increase enrollment in and performance of all students in accelerated and enriched instruction, Honors, AP, and other advanced-level programs, as part of ongoing efforts to provide an effective instructional program-one of five major goals identified in Our Call to Action: Pursuit of Excellence.

This report measures the progress that all comprehensive high schools have made toward increasing the enrollment of students in at least one Honors or AP course. This report also includes performance results on recently established targets that raise expectations and standards for student achievement and reinforce a commitment to closing the gap in student performance by race and ethnicity and other student groups. The targets extend through 2010 and reflect the requirements of national, state, and local accountability mandates for student achievement.

MCPS has undertaken efforts to prepare and encourage more students to stretch themselves academically and take the most challenging courses. Various systemwide and individual school initiatives have opened the enrollment and encouraged more diverse student participation in Honors and AP courses. Initiatives include creating a positive school climate that communicates high expectations for all students, motivating students to participate in challenging coursework, and removing barriers to the recruitment and selection of students for enrollment in Honors and AP courses.

## Honors or Advanced Placement Course Enrollment

Compared with the prior year, 2007-2008 enrollment in at least one Honors or AP course increased for all students and for all groups of students (Table 1). The greatest increase occurred among limited English proficient (LEP) and African American students, and students receiving Free and Reduced-price Meals System (FARMS) services, whose enrollment in at least one Honors or AP course increased by more than 4 percentage points. The number of Hispanic students enrolled in at least one Honors or AP course increased by nearly 3 percentage points, whereas the number of White students increased by 2 percentage points.

During 2007-2008, the percentage of all students and all groups of students enrolled in at least one Honors or AP course was the highest since the baseline year of 2000-2001 (Table 1). Over the seven-year period, the enrollment of African American and Hispanic students, and students receiving LEP and FARMS services in at least one Honors or AP course rose by at least 20 percentage points, the enrollment of male students rose more than 16 percentage points, the enrollment of female students rose more than 15 percentage points, the enrollment of Asian American and White students rose by more than 13 percentage points, and the enrollment of special education students rose by more than 11 percentage points.

Table 1
Percentage of Students Enrolled in at Least One Honors or AP Course During 2001, 2006-2008, by Student Group

| Group | 2001 | 2006 | 2007 | 2008 |
| :--- | :---: | :---: | :---: | :---: |
| All students | 58.2 | 69.7 | 71.8 | 74.0 |
| Asian American | 73.4 | 84.4 | 85.8 | 86.8 |
| African American | 35.4 | 50.7 | 53.6 | 58.9 |
| White | 69.6 | 82.3 | 84.5 | 86.5 |
| Hispanic | 33.6 | 49.2 | 52.9 | 55.8 |
| Male | 53.4 | 65.1 | 67.5 | 69.7 |
| Female | 63.2 | 74.5 | 76.4 | 78.5 |
| Special Education | 16.1 | 23.3 | 23.7 | 27.5 |
| LEP | 16.9 | 28.1 | 31.9 | 36.9 |
| FARMS | 26.5 | 41.6 | 44.9 | 49.8 |

## Strategic Plan Improvement Targets

MCPS established targets for Honors or AP course enrollment that reflect rigorous expectations for both the percentage of students enrolled in at least one Honors or AP course and for the percentage of schools meeting the expected rate of enrollment. The targets for Honors or AP course enrollment are two fold: the student performance target designates the percentage of each student group that successfully meets or exceeds the expected percentage of enrollment in at least one Honors or AP course, while the district-level target designates the number of schools having all students and all groups of students at or above the expected enrollment rate.

During 2007-2008, 71.7 percent of all students and all groups of students were expected to be enrolled in at least one Honors or AP course (Table 2). Over the next two years, the studentlevel target for the rate of enrollment in Honors or AP courses will rise to an expected enrollment rate of 75 percent in 2010. For the 2007-2008 school year, the expected rate of enrollment in at least one Honors or AP course was met for all students, as well as for Asian American and White students.

Table 2
Expected and Actual Percentage of all Students and all Groups of Students Enrolled in at Least One Honors or AP Course

| Group | Percent Enrolled in at Least one Honors or AP Course |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | 2006 | 2007 | 2008 | 2009 | 2010 |
|  | Expected | Expected | Expected | Expected | Expected |
|  | 68.4 | 70.1 | 71.7 | 73.4 | 75.0 |
| All students | Actual | Actual | Actual |  |  |
| Asian American | 69.7 | 71.8 | 74.0 |  |  |
| African American | 84.4 | 85.8 | 86.8 |  |  |
| White | 50.7 | 53.6 | 58.9 |  |  |
| Hispanic | 82.3 | 84.5 | 86.5 |  |  |
| Special Education | 49.2 | 52.9 | 55.8 |  |  |
| LEP | 23.3 | 23.7 | 27.5 |  |  |
| FARMS | 28.1 | 31.9 | 36.9 |  |  |

Note. Shaded areas indicate target met
The 2008 district-level target expectation was that 19 out of 25 MCPS comprehensive high schools were to have met or exceeded the expected Honors/AP course enrollment for all students and for all groups of students. Over the next two years, the target number of schools meeting expectation will increase by three schools each year such that, by 2010, all comprehensive high schools are expected to meet or exceed the expected rate of Honors/AP course enrollment.

During 2007-2008, the target rate of enrollment in Honors/AP courses was met by all high schools for Asian American students and 24 comprehensive high schools for White students (Table 3). However, only 15 high schools met the expected enrollment rate for all students, 5 met expectation for Hispanic students, 3 met expectation for African American students, and 1 met expectation for FARMS and LEP students. No schools met expectation for special education students. Total schools used for determining the district target vary; schools with fewer than five students in a group are not included.

Table 3
Target and Actual Number ( N ) of High Schools
With Enrollment in at Least One Honors or Advanced Placement Course
At or Above Expectation, by Group

|  | 2006 |  | 2007 |  | 2008 |  | 2009 |  | 2010 |  |
| :--- | :---: | ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $N$ |  | $N$ |  | $N$ | $N$ |  |  |  |  |
| Group | Target | Actual | Target | Actual | Target | Actual | Target | Actual | Target | Actual |
| All students | 12 | 9 | 16 | 11 | 19 | 15 | 22 |  | 25 |  |
| Asian American | 12 | 23 | 16 | 24 | 19 | 25 | 22 |  | 25 | 25 |
| African American | 12 | 1 | 16 | 1 | 19 | 3 | 22 |  | 25 |  |
| White | 12 | 23 | 16 | 25 | 19 | 24 | 22 |  | 25 |  |
| Hispanic | 12 | 5 | 16 | 5 | 19 | 5 | 22 |  | 25 |  |
| Special Education | 12 | 0 | 16 | 1 | 19 | 0 | 22 |  | 22 |  |
| LEP | 11 | 0 | 14 | 0 | 17 | 1 | 19 |  | 25 |  |
| FARMS | 12 | 1 | 16 | 1 | 19 | 1 | 22 |  |  |  |

Note. Shaded areas indicate target met.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Summary: County Schools (Special Schools Included)

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Summary: County High Schools

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Summary: County Special Schools

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Bethesda-Chevy Chase High School - \#406

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Montgomery Blair High School - \#757

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
James Hubert Blake High School - \#321

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Winston Churchill High School - \#602

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Clarksburg High School - \#249


[^0]Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Damascus High School - \#701

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Albert Einstein High School - \#789

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Gaithersburg High School - \#551

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Walter Johnson High School - \#424

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
John F. Kennedy High School - \#815

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Col. Zadok Magruder High School - \#510


[^1]Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Richard Montgomery High School - \#201

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Northwest High School - \#246

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Northwood High School - \#796

| Group |  | Percentage Enrolled (Spring Semester) |  |  |  | Total Enrollment |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2000-2001 | 2005-2006 | 2006-2007 | 2007-2008 | 2000-2001 | 2005-2006 | 2006-2007 | 2007-2008 |
| All Students | Total |  | 54.3 | 60.4 | 62.4 | 0 | 715 | 941 | 1319 |
|  | Male |  | 52.4 | 53.9 | 57.2 | 0 | 372 | 486 | 689 |
|  | Female |  | 56.3 | 67.3 | 68.1 | 0 | 343 | 455 | 630 |
| Asian American | Total |  | 59.4 | 68.9 | 78.3 | 0 | 32 | 45 | 83 |
|  | Male |  | 66.7 | 56.5 | 71.8 | 0 | 15 | 23 | 39 |
|  | Female |  | 52.9 | 81.8 | 84.1 | 0 | 17 | 22 | 44 |
| African American | Total |  | 52.5 | 53.6 | 55.5 | 0 | 255 | 349 | 465 |
|  | Male |  | 45.8 | 48.9 | 50.8 | 0 | 131 | 182 | 248 |
|  | Female |  | 59.7 | 58.7 | 60.8 | 0 | 124 | 167 | 217 |
| White | Total |  | 80.6 | 80.0 | 83.4 | 0 | 191 | 245 | 326 |
|  | Male |  | 79.4 | 74.1 | 79.6 | 0 | 107 | 135 | 181 |
|  | Female |  | 82.1 | 87.3 | 88.3 | 0 | 84 | 110 | 145 |
| Hispanic | Total |  | 33.9 | 51.2 | 50.7 | 0 | 236 | 301 | 440 |
|  | Male |  | 33.1 | 41.4 | 42.7 | 0 | 118 | 145 | 218 |
|  | Female |  | 34.7 | 60.3 | 58.6 | 0 | 118 | 156 | 222 |
| Special Education | Total |  | 29.7 | 21.4 | 32.8 | 0 | 111 | 126 | 183 |
|  | Male |  | 29.5 | 20.2 | 30.7 | 0 | 78 | 84 | 127 |
|  | Female |  | 30.3 | 23.8 | 37.5 | 0 | 33 | 42 | 56 |
| LEP | Total |  | 10.6 | 31.4 | 33.9 | 0 | 66 | 86 | 124 |
|  | Male |  | 11.1 | 25.6 | 25.5 | 0 | 27 | 43 | 55 |
|  | Female |  | 10.3 | 37.2 | 40.6 | 0 | 39 | 43 | 69 |
| FARMS | Total |  | 37.8 | 45.8 | 50.1 | 0 | 193 | 295 | 441 |
|  | Male |  | 34.7 | 35.1 | 43.1 | 0 | 95 | 148 | 218 |
|  | Female |  | 40.8 | 56.5 | 57.0 | 0 | 98 | 147 | 223 |

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Paint Branch High School - \#315

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Poolesville High School - \#152

| Group |  | Percentage Enrolled (Spring Semester) |  |  |  | Total Enrollment |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2000-2001 | 2005-2006 | 2006-2007 | 2007-2008 | 2000-2001 | 2005-2006 | 2006-2007 | 2007-2008 |
| All Students | Total | 74.3 | 81.7 | 83.6 | 90.1 | 693 | 849 | 923 | 1010 |
|  | Male | 65.3 | 74.6 | 79.5 | 88.0 | 334 | 378 | 444 | 499 |
|  | Female | 82.7 | 87.5 | 87.5 | 92.2 | 359 | 471 | 479 | 511 |
| Asian American | Total | 95.5 | 96.9 | 98.6 | 99.2 | 22 | 32 | 69 | 127 |
|  | Male | 85.7 | 90.9 | 97.1 | 98.4 | 7 | 11 | 35 | 64 |
|  | Female | 100.0 | 100.0 | 100.0 | 100.0 | 15 | 21 | 34 | 63 |
| African American | Total | 52.9 | 46.0 | 58.0 | 81.5 | 34 | 50 | 50 | 54 |
|  | Male | 50.0 | 32.0 | 45.5 | 65.2 | 16 | 25 | 22 | 23 |
|  | Female | 55.6 | 60.0 | 67.9 | 93.5 | 18 | 25 | 28 | 31 |
| White | Total | 75.4 | 83.9 | 84.3 | 89.1 | 614 | 741 | 765 | 781 |
|  | Male | 65.3 | 77.9 | 80.6 | 87.4 | 300 | 326 | 366 | 381 |
|  | Female | 85.0 | 88.7 | 87.7 | 90.8 | 314 | 415 | 399 | 400 |
| Hispanic | Total | 60.0 | 73.9 | 76.5 | 92.5 | 20 | 23 | 34 | 40 |
|  | Male | 72.7 | 66.7 | 70.0 | 92.9 | 11 | 15 | 20 | 28 |
|  | Female | 44.4 | 87.5 | 85.7 | 91.7 | 9 | 8 | 14 | 12 |
| Special Education | Total | 25.4 | 30.7 | 35.4 | 52.3 | 63 | 75 | 65 | 65 |
|  | Male | 22.7 | 26.4 | 38.8 | 55.3 | 44 | 53 | 49 | 47 |
|  | Female | 31.6 | 40.9 | 25.0 | 44.4 | 19 | 22 | 16 | 18 |
| LEP | Total |  |  |  |  | 0 | 0 | 0 | 0 |
|  | Male |  |  |  |  | 0 | 0 | 0 | 0 |
|  | Female |  |  |  |  | 0 | 0 | 0 | 0 |
| FARMS | Total | 42.9 | 44.4 | 50.0 | 79.5 | 28 | 27 | 26 | 39 |
|  | Male | 28.6 | 36.4 | 50.0 | 72.7 | 21 | 11 | 16 | 22 |
|  | Female | 85.7 | 50.0 | 50.0 | 88.2 | 7 | 16 | 10 | 17 |

[^2]Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Quince Orchard High School - \#125

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Rockville High School - \#230

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Seneca Valley High School - \#104

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Sherwood High School - \#503

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Springbrook High School - \#798

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Watkins Mill High School - \#545

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Wheaton High School - \#782

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Walt Whitman High School - \#427

| Group |  | Percentage Enrolled (Spring Semester) |  |  |  | Total Enrollment |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2000-2001 | 2005-2006 | 2006-2007 | 2007-2008 | 2000-2001 | 2005-2006 | 2006-2007 | 2007-2008 |
| All Students | Total | 79.7 | 88.4 | 88.2 | 84.9 | 1755 | 1860 | 1854 | 1909 |
|  | Male | 76.4 | 85.5 | 85.1 | 82.3 | 886 | 968 | 964 | 1002 |
|  | Female | 83.1 | 91.5 | 91.7 | 87.7 | 869 | 892 | 890 | 907 |
| Asian American | Total | 75.4 | 88.3 | 87.5 | 88.1 | 276 | 240 | 248 | 236 |
|  | Male | 69.8 | 85.2 | 85.5 | 86.9 | 139 | 128 | 124 | 122 |
|  | Female | 81.0 | 92.0 | 89.5 | 89.5 | 137 | 112 | 124 | 114 |
| African American | Total | 42.2 | 47.1 | 52.9 | 41.6 | 64 | 68 | 70 | 89 |
|  | Male | 35.3 | 46.3 | 43.2 | 37.7 | 34 | 41 | 44 | 53 |
|  | Female | 50.0 | 48.1 | 69.2 | 47.2 | 30 | 27 | 26 | 36 |
| White | Total | 82.9 | 91.6 | 91.0 | 87.4 | 1329 | 1424 | 1396 | 1452 |
|  | Male | 80.6 | 89.2 | 88.3 | 84.9 | 666 | 733 | 717 | 757 |
|  | Female | 85.2 | 94.1 | 93.8 | 90.1 | 663 | 691 | 679 | 695 |
| Hispanic | Total | 72.6 | 74.8 | 80.6 | 80.8 | 84 | 127 | 139 | 130 |
|  | Male | 67.4 | 69.2 | 78.5 | 80.0 | 46 | 65 | 79 | 70 |
|  | Female | 78.9 | 80.6 | 83.3 | 81.7 | 38 | 62 | 60 | 60 |
| Special Education | Total | 28.5 | 47.2 | 45.2 | 40.0 | 151 | 178 | 186 | 215 |
|  | Male | 31.3 | 45.5 | 45.7 | 41.2 | 96 | 121 | 129 | 148 |
|  | Female | 23.6 | 50.9 | 43.9 | 37.3 | 55 | 57 | 57 | 67 |
| LEP | Total | 36.1 | 55.0 | 58.8 | 49.5 | 83 | 100 | 80 | 93 |
|  | Male | 38.5 | 49.2 | 55.8 | 55.6 | 52 | 59 | 43 | 54 |
|  | Female | 32.3 | 63.4 | 62.2 | 41.0 | 31 | 41 | 37 | 39 |
| FARMS | Total | 30.6 | 20.0 | 34.4 | 30.4 | 36 | 30 | 32 | 46 |
|  | Male | 18.2 | 12.5 | 28.6 | 25.0 | 22 | 16 | 21 | 28 |
|  | Female | 50.0 | 28.6 | 45.5 | 38.9 | 14 | 14 | 11 | 18 |

[^3]Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Thomas S. Wootton High School - \#234

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Alternative Programs - \#239

" " - Data not reported for fewer than 5 students.

Percentage of Students Enrolled in at Least One Honors/AP Course and Total Enrollment
Regional Institute For Children And Adolescents - \#965


[^4]
[^0]:    " " - Data not reported for fewer than 5 students.

[^1]:    " " - Data not reported for fewer than 5 students.

[^2]:    " " - Data not reported for fewer than 5 students.

[^3]:    " " - Data not reported for fewer than 5 students.

[^4]:    " " - Data not reported for fewer than 5 students.

