

**THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA
OFFICE OF THE SUPERINTENDENT**

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Approved memorandum with signatures is on file.

October 24, 2002

TO: School Board Members

FROM: Katherine Blasik, Ph.D., Assistant Superintendent
Office of Research and Evaluation

VIA: Frank Till
Superintendent of Schools

SUBJECT: 2002 ADVANCED PLACEMENT PROGRAM

The Advanced Placement (AP) program is a nationally recognized strategy for accessing college level work for high school students. A review of the data from the 2002 program has demonstrated that an increased number of high schools are offering the full complement of Advanced Placement core courses through on site offerings or through distance learning opportunities. In addition, data for the 2002 School Year demonstrates that both the number of students enrolled in AP courses and those taking AP examinations have dramatically risen over the most recent three years. Furthermore, even with the increased number of students participating in the program, average scores demonstrated levels of performance in line with students statewide and globally, and remained close to the 3.0 level deemed as the standard.

Attached to this memorandum is the 2002 Advanced Placement Report. Highlights of the report indicate:

- Broward students' mean scores remained closely in line with those noted globally and above Florida figures over the three year timeframe (+.14, +.16 and +.18, respectively, in favor of Broward students).
- Considering the overall proportion of AP participants by ethnicity in light of overall high school enrollment for 2002, African American/Black students were underrepresented in AP classes, while Hispanic/Puerto Rican and White students remained highly represented.
- Hispanic students' AP mean scores were above the district average and surpassed all other groups reported for the past three years at 3.35 in 2000, 3.40 in 2001 and 3.33 in 2002.
- White student performance was just slightly above the district-wide average in 2000 at 3.07 and in line for 2001 at 2.96 before rising slightly to 3.06 in 2002. African American/Black and Asian American/Asian students fell below the district mean all three years (African American/Black: 2.34 in 2000, 2.38 in 2001 and 2.33 in 2002; and Asian American/Asian 2.83 in 2000, 2.82 in 2001 and 2.88 2002).

2002 Advanced Placement Program Results

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Staff has implemented strategies to expand AP offerings and increase student success in class and on college bound assessments. Next steps should involve:

- Master course schedules should be reviewed by Area Directors to ensure the full complement of AP core courses is offered at each school site; and when a core course cannot be offered, students are encouraged to participate in a distance learning program.
- Enrollment in the AP courses should be monitored by Area and District staff during the school year to assist in providing opportunities or linkages between schools for increased enrollment throughout the year, whether through on site offerings or distance learning opportunities.
- Student Predictions Flags are being added to the Data Warehouse to identify students who are ready for AP classes as well as those students who may be nearly ready and for whom some extra assistance may prove to make the difference. School staff should review the prediction flags and encourage students to participate as appropriate. Access to the Virtual Counselor is also expected to assist school personnel in the identification of eligible students.

If you have any question regarding this report please contact **me at (954) 760-7342 or Anne Dilgen, Director of Student Assessment, at (954) 765-7072.**

FT/KAB/AD:sm

Attachments

cc: Senior Management
Area Directors
Diane Carr, Executive Director, Core Curriculum
Frank Vodolo, Executive Director, Educational Programs
High School Principals

THE SCHOOL BOARD OF BROWARD COUNTY, FLORIDA



Office of Research and Evaluation Student Assessment Department

2002 ADVANCED PLACEMENT PROGRAM RESULTS

In keeping with Broward County Public Schools' goal of: *All students will achieve at their highest potential*, recently released data shows that significantly more Broward high school students are taking advantage of the availability of Advanced Placement (AP) coursework each year. Review of the data has found that an increased number of high schools are offering the full complement of Advanced Placement core courses through on site offerings or through distance learning opportunities. In addition, data for the 2002 School Year demonstrates that both the number of students enrolled in AP courses and those taking AP examinations have dramatically risen over the most recent three years. Furthermore, even with the increased number of students participating in the program, average scores demonstrated levels of performance in line with students statewide and globally, and remained close to the 3.0 level deemed as the standard.

The increase in participation in rigorous coursework is strongly supported by the Board and the Superintendent of Broward Schools, and as such, is included as an outcome measure on the Superintendent's annual evaluation instrument.

Background

The AP program is a nationally recognized, successful strategy for introducing students to the challenges of college-level work while they are still in high school.

The AP program:

- is structured so that high schools can offer college level work in 33 courses covering 19 fields of study,
- provides an opportunity for students enrolled in AP courses and others who have completed related honors courses or studied independently to be examined on a level similar to college level course standards, and
- provides voluntary staff development for AP teachers through consultants, workshops, and publications by College Board staff.

AP examinations are scored on a scale ranging from one to five (1: no recommendation, 2: possibly qualified, 3: qualified, 4: well qualified, and 5: extremely well qualified). Many higher education institutions worldwide give credit or advanced placement to students, with each college or university deciding which AP examination score and course will be accepted. Most

higher education institutions grant credit and/or advanced placement for AP scores of 3 or better. Therefore, the standard for competency has been defined as a score of 3 or above.

Students enrolled in AP courses are required to take the AP examination under Broward School Board Policy 6000.1. Students who believe they will be successful on the AP examinations based on their participation in other rigorous academic curriculum, such as International Baccalaureate (IB) classes, may sit for the examination(s) even though they are not enrolled in AP courses.

Examination dates are determined by the College Board and are scheduled in May. Districts may not modify administration dates. Broward staff has requested an additional administration date in January to accommodate schools following a 4x4 block schedule, however, that request has been denied.

Funding

Broward Schools cover the cost of the AP examination for students registered in AP or IB courses. The College Board allows a fee reduction of \$22 per test for students who qualify for free/reduced lunch services. Currently, Broward students not enrolled in an AP class or IB class, home educated students, and private school students must cover the cost of the assessment.

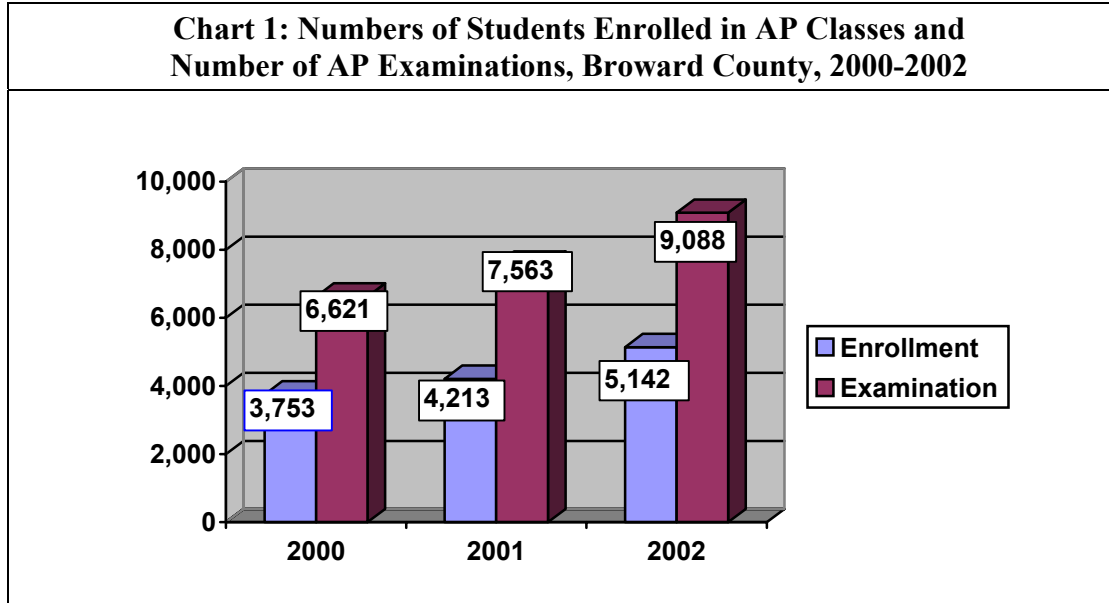
District cost for the examinations during the 2002 school year was \$617,025. The Florida Department of Education (DOE) provides school district funding for the AP Program through an annual allocation based on test performance. Each AP examination of 3 and above generates .24 FTE per student (\$832 per score of 3 or higher during the 2002 school year). A preliminary budget analysis indicates that Broward will receive approximately \$4,000,000 in AP funding for the 2003 school year.

Funding is then distributed to individual schools based on the number of test scores at 3 or above in that school. The allocation may be used for purposes of increasing student achievement in AP coursework by such methods as increasing access to pre-AP courses and distance learning programs, as well as, providing staff development opportunities for participating teachers.

Findings – Global, Florida, and Broward

AP Enrollment and Number of Examinations Administered. Table 1 provides the number of students participating in AP and the number of examinations administered across the Globe, for Florida and in Broward from 2000 to 2002. Chart 1 illustrates that data for Broward only. Broward data reported in Table 1 and Chart 1 is from the *Broward County Advanced Placement Recap Report*. Florida and Global data is from the *College Boards AP Distribution Report*.

Table 1: AP Enrollment and Number of Examinations Administered Broward, Florida and Global, 2000-2002						
Location	Number of Students			Number of Examinations		
	2000	2001	2002	2000	2001	2002
Global*	768,586	844,741	937,951	1,272,317	1,414,387	1,585,516
Florida	45,234	50,430	59,076	78,222	88,348	104,061
Broward	3,753	4,213	5,142	6,621	7,563	9,088
*Worldwide: number of countries varies and includes military and exchange students						



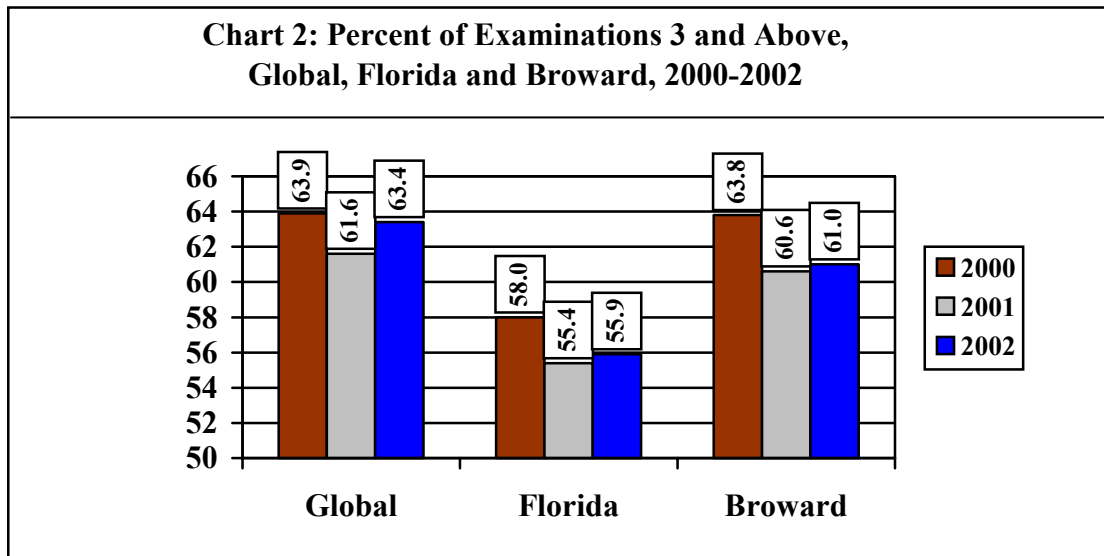
As presented in Table 1, the number of students enrolled in AP courses increased across the Globe, for Florida, and in Broward for each year of 2000, 2001 and 2002. When focusing on Broward, Chart 1 illustrates growth of 460 additional students from 2000 to 2001 (from 3,753 to 4,213) and 929 more students from 2001 to 2002 (from 4,213 to 5,142). Regarding number of AP examinations as presented in Table 1, an increasing trend is noted for district, state and globe over the same three-year timeframe. When reviewing Chart 1 in reference to number of examinations in Broward from 2000 to 2002, increases are evidenced. The 2000 number of 6,621 grew to 7,563 (+942) in 2001 and jumped to 9,088 (+1,525) in 2002. As many students attempt more than one AP examination, the number of examinations exceeds the number of students enrolled.

During the three-year period depicted in Table 1, Broward students posted a 37 percent increase in both the number of students enrolled in AP classes and in the number of AP exams administered. In comparison, across the Globe, there was a 22 percent increase in the number of students enrolled and a 25 percent increase in the number of AP exams administered. Across the state, there was a 31 percent increase in number enrolled and a 33 percent increase in the number of AP exams administered.

AP Mean Scores and Percent Scores at 3 and above. Table 2 provides a comparison of AP mean scores and percent of scores 3 and above for Global, Florida and Broward participants from 2000 to 2002. Chart 2 illustrates the proportion of scores 3 and above for Global, Florida and Broward. Data in Table 2 is reported as released by the *College Boards AP Distribution Report*.

Table 2: AP Mean Scores and Percent of Scores 3 and Above Global, Florida and Broward, 2000 to 2002						
	Mean Score			Percent Scored 3 and Above		
	2000	2001	2002	2000	2001	2002
Global*	3.02	2.97	3.0	63.9	61.6	63.4
Florida	2.86	2.79	2.79	58.0	55.4	55.9
Broward	3.00	2.95	2.97	63.8	60.6	61.0

* Worldwide: Number of countries varies and includes military and exchange students.



*Worldwide number of countries varies and includes military and exchange students

As indicated in Table 2, **Broward students’ mean scores remained closely in line with those noted globally and above Florida figures over the three year timeframe (+.14, +.16 and +.18, respectively, in favor of Broward students).**

When reviewing the proportion of students meeting the 3 or above criteria, Table 2 and Chart 2 demonstrate that Broward’s students were closely in line with Global students with a difference of only +.1, +1.0, and +2.4 in favor of Global figures. However, in reviewing proportions for Broward and Florida, one can see that Broward students outperformed those across Florida each of the three years with a difference of over 5 percent (Broward compared to Florida: +5.8% in 2000, +5.2% in 2001, and +5.1% in 2002).

Findings – Broward by Ethnicity

Broward is a large urban district facing challenges such as overcrowded schools, pockets of poverty, high student mobility, and increasing numbers of limited English proficient youth. Nonetheless, in general, Broward students continue to demonstrate success in the most rigorous of high school coursework, Advanced Placement. However, it is important to note that research indicates there is still an evident gap in the student achievement of diverse ethnic groups.

Recognizing that participation in Advanced Placement courses is an important mechanism for closing the gap, this report includes an analysis of AP scores by ethnicity. The data is reported as released from The College Boards School Distribution by Ethnic Group report.

AP Enrollment and Number of AP Examinations, 2000-2002. Table 3 presents the number of AP students and the accompanying proportion of those students in each ethnicity category. In addition, the table reports number of AP examinations with a number per student average calculated. Data are provided for the 2000-2002 school years. Although all ethnic categories as identified by the College Board are included in the table, the narrative below focuses only on the four largest categories of African American/Black, Asian American/Asian, Hispanic/Puerto Rican, and White.

Ethnicity	Number of Students			Number of Examinations		
	2000	2001	2002	2000	2001	2002
Broward	3,659	4,150	5,083	6,740 (1.84)	7,437 (1.79)	8,948 (1.76)
American Indian/Alaskan Native	7	11	11	19	22	18
African American/Black	494 (13%)	544 (13%)	733 (14%)	741 (1.5)	832 (1.53)	1,120 (1.53)
Chicano/Mexican	37	26	30	42	37	59
Asian American/Asian	268 (7%)	301 (7%)	417 (8%)	570 (2.13)	645 (2.14)	882 (2.12)
Hispanic/Puerto Rican	821 (22%)	965 (23%)	1,188 (23%)	1,204 (1.5)	1,447 (1.5)	1,819 (1.53)
White	1,826 (50%)	1,996 (48%)	2,343 (46%)	3,544 (1.94)	3,923 (1.96)	4,424 (1.89)
Other	142	203	216	249	375	401
Not Stated	64	104	145	101	336	225

As noted in reviewing data in Table 3, four major groups of African American/Black, Asian American/Asian, Hispanic/Puerto Rican, and White demonstrate gains in the number of AP students while the number of AP examinations per student over the last three years in Broward remained relatively stable. When reviewing the proportion of AP enrollees by ethnicity, African American/Black and Asian American/Asian students held constant at 14 percent and 8 percent, respectively. Hispanic/Puerto Rican students remained close in line over the three years at 22 percent in 2000 and 23 percent in 2001 and 23 percent in 2002. White students' participation dipped slightly from 50 percent to 46 percent.

Considering the overall proportion of AP participants by ethnicity in light of overall high school enrollment for 2002, African American/Black students were underrepresented in AP classes, while Hispanic/Puerto Rican and White students remained highly represented. That is, 36 percent of the high school student body in 2002 was identified as African American/Black with only 14 percent of AP enrollees classified as African American/Black. The reverse was seen for Hispanic/Puerto Ricans who make up 21 percent of Broward's high school population and 23% of AP participants. The same was true for White students who make up 39 percent of 9th to 12th graders across the district and who represented 46 percent of those in AP classes.

African American/Black and Hispanic students averaged approximately 1.5 AP examinations each year, with Asian American/Asian and White students hovering around 2 (White: approximately 1.93 and Asian American/Asian: approximately 2.13).

AP Mean Scores, 2000 - 2002. Table 4 presents average AP scores by ethnicity for Broward over the past two years. Again, all data by ethnicity categories as reported by the College Board are included in the table. Discussion regarding findings will focus on major categories of African American/Black, Asian American/Asian, and White. Additionally, Hispanic and Puerto Rican student data is provided.

Table 4: AP Mean Scores, Broward, 2000-2002			
Ethnicity	2000	2001	2002
Broward	3.0	2.95	2.97
American Indian/Alaskan	3.0	3.14	2.56
African American/Black	2.34	2.38	2.33
Chicano/Mexican	3.64	2.78	3.02
Asian American/Asian	2.83	2.82	2.88
Puerto Rican	3.24	2.95	2.84
Hispanic	3.35	3.40	3.33
White	3.07	2.96	3.06
Other	2.68	2.73	2.77

As seen in Table 4, **Hispanic students' AP mean scores were above the district average and surpassed all other groups reported for the past three years at 3.35 in 2000, 3.40 in 2001 and 3.33 in 2002.** Puerto Rican students were also above the Broward mean at 3.24 in 2000 and were in line with the district average in 2001 at 2.95 but slipped slightly behind at 2.84 in 2002. **White student performance was just slightly above district-wide average in 2000 at 3.07 and in line for 2001 at 2.96 before rising slightly to 3.06 in 2002.** African American/Black and Asian American/Asian students fell below the district mean all three years (African American/Black: 2.34 in 2000, 2.38 in 2001 and 2.33 in 2002; Asian American/Asian: 2.83 in 2000, 2.82 in 2001 and 2.88 this year).

Subject Results

The AP Recap Report is attached as Appendix A. The report provides information by AP course from 2000 to 2002. Included is AP enrollment, AP examination participation and 3 and above score data. As seen in Appendix A, Broward students participated in every AP subject area except three: French Literature, Latin: Virgil and Music: Listening & Literature.

Individual School Results

In reviewing individual school aggregate results included in Appendix B, several patterns of improvement are noted:

- Seven schools' percent of AP scores 3 or above (Coral Springs, Cooper City, Stoneman Douglas, Hollywood Hills, Nova, J.P. Taravella and Western) exceeded the district, State and Global averages this year.
- Four additional schools' percent of AP scores 3 or above (Deerfield Beach, Flanagan, Fort Lauderdale and Plantation) exceeded the State average in 2002.

- A positive trendline is seen for two schools' percent of exams administered over the three year period displayed in Appendix B (Deerfield Beach, South Plantation).
- A positive trendline is also seen for two schools' percent of AP scores 3 or above (Pompano, Western).
- Although Northeast High School did not offer the full complement of required AP courses (English Literature) their AP scores exhibits a positive trendline and has risen to the degree that the percent of AP scores 3 or above exceeded the district, state and global averages.
- A positive trendline is seen for Stranahan High School in both the percent of exams administered and in the number of AP scores of 3 or higher.

There are two school findings that require attention:

- School Board Policy 6000.1 stipulates that students enrolled in AP classes must participate in the AP exam. Review of the participation rates calculated and reported by the College Board Recap Report indicates that while most schools are demonstrating over a 90% rate, one school, Boyd Anderson High School, fell significantly short with a 51.8% rate.
- Several schools are evidencing decreases in participation and/or percent achieving 3 and above scores over the three year timeframe.

Citizens Concerned with our Children (CCC) Agreement Related to AP Core Course Offerings

In 1999, CCC and the School Board of Broward County entered into a legal agreement concerning the equality of opportunities and standards for all students across the district. Section five of the agreement specified the development of a core of AP and Honors courses to be available to students at all Broward County Public High Schools. These core courses ensure that all students have equal access to the same educational opportunities. In compliance with the Agreement, the Office of Research and Evaluation reviewed the AP and Honors course data to examine whether core course offerings were expanded to all high schools in December 2000. Findings demonstrated that nearly two-thirds (16) of the high schools offered the required AP core courses. A recommendation was made that "...area directors should work with principals of those high schools that do not meet the core requirements of the CCC Agreement to increase AP course offerings."

Appendix C provides a listing of all AP courses offered by school and highlights those specified in the CCC Agreement. AP core courses include the following classes: AP English Literature, AP English Language, AP Calculus AB, AP Biology, AP US History, and AP Spanish or AP French. Table 5 summarizes by school the status toward meeting the AP core course requirement in 2000 - 2002. School Year 2000 data was secured from a memorandum to School Board Members dated December 20, 2000 entitled, *CCC vs. The School Board of Broward County Settlement Agreement*.

Although the number of schools in compliance with the minimum core course offerings has risen from 19 in 2000 to 21 in 2002, it is important to note that compliance is expected to be at 100 percent for all appropriately enrolled schools. Recently opened comprehensive high school programs such as William T. McFatter Technical High School, which will graduate its first class of seniors in June 2003 and Atlantic Technical Center, which opened its doors in 2002-2003, are expected to be at full compliance no later than the 2005-06 school year.

Table 5: Status of AP Core Courses by School, 2000-2002			
	Met AP Core Course Requirement?		
School	2000	2001	2002
Boyd Anderson	Yes	No (AP English Literature, AP English Language)	No (AP English Language)
Blanche Ely	Yes	Yes	Yes
Coconut Creek	Yes	No (AP US History)	Yes
Cooper City	Yes	Yes	Yes
Coral Springs	Yes	Yes	Yes
Deerfield Beach	Yes	Yes	Yes
Dillard	No (AP Biology)	No (AP Biology)	No (AP Biology)
Charles Flanagan	Yes	Yes	Yes
Fort Lauderdale	Yes	Yes	Yes
Hallandale	Yes	Yes	Yes
Hollywood Hills	Yes	Yes	Yes
McArthur	Yes	Yes	Yes
William T. McFatter Technical High School	N/A	No (AP Biology, AP Calculus AB, AP English Lit. AP English Language, AP French or Spanish)	No (AP Biology, AP Calculus AB, AP English Lit. AP English Language, AP French or Spanish)
Miramar	Yes	No (AP Biology, AP US History)	Yes
Northeast	No (AP English Language, AP English Literature, AP Spanish or AP French)	No (AP English Literature, AP Spanish or AP French)	No (AP English Literature)
Nova	Yes	Yes	Yes
Piper	Yes	Yes	Yes
Plantation	Yes	No (AP Biology)	Yes
Pompano Beach	No (AP Biology, AP Calculus AB, AP English Literature, AP Spanish or AP French)	No (AP Biology, AP English Lit)	Yes
South Broward	No (AP Biology)	No (AP Biology)	Yes
South Plantation	No (AP Biology)	Yes	Yes
Stoneman Douglas	Yes	Yes	Yes
Stranahan	Yes	Yes	Yes
J.P. Taravella	Yes	Yes	Yes
Western	Yes	Yes	Yes

Actions Underway and Next Steps

In an effort to expand AP offerings, to increase student participation in AP courses, and to increase student scores of 3 and above on those assessments, staff has implemented a range of actions to reach these targets. Several actions are noted below:

Ongoing Actions

- Parents of sophomores and juniors who have a 3.0 unweighted GPA and above receive district developed correspondence explaining advanced academic options including AP, dual enrollment and honors coursework. Parents are asked to encourage their children to visit with the guidance counselor for further information.
- Beginning in 2000, 10th grade students were afforded state funded PSAT testing. The pre-college entrance examination for each student was analyzed by the College Board. School reports were provided to identify those students who were deemed capable of succeeding in AP coursework based on test results. The data was to be used for guidance and course selection activities.
- The College Board's Vertical Team initiative has been implemented districtwide.
- Broward has been an active participant in staff development activities sponsored by the Florida Partnership for Student Achievement, a contract for services between Florida Department of Education and The College Board.
- Broward has been a host site for several College Board workshops and through that effort has involved a greater number of local teachers and guidance counselors in the staff development activities.

New Actions

- Master course schedules should be reviewed by Area Directors to ensure the full complement of AP core courses is offered at each school site and that when a core course can not be offered; students are encouraged to participate in a distance learning program.
- Enrollment in the AP courses should be monitored by Area and District staff during the school year to assist in providing opportunities or linkages between schools for increased enrollment throughout the year, whether through on site offerings or distance learning opportunities.
- Student Predictions Flags are being added to the Data Warehouse to identify students who may be ready for AP classes as well as those who may be nearly ready and for whom some extra assistance may prove to make the difference. School staff should review the prediction flags and encourage students to participate as appropriate. Access to the Virtual Counselor is also expected to assist school personnel in the identification of eligible students

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Prepared by:
David Genevive, Research Specialist, Student Assessment Department

APPENDIX A
The School Board of Broward County
Advanced Placement Recap Report

Recap for District	Year	# AP Exams	% AP Exams	# AP Scores 3 and Above	% AP Exams 3 and Above
All Advanced Placement	2000	6,621	99.7%	4,202	63.5%
	2001	7,563	100.1%	4,637	61.3%
	2002	9,088	95.2%	5,628	61.9%
U.S. History	2000	672	99.7%	364	54.2%
	2001	806	99.8%	386	47.9%
	2002	941	101.3%	474	50.4%
Art: History of	2000	9	100.0%	2	22.2%
	2001	86	85.1%	47	54.7%
	2002	89	92.7%	41	46.1%
Art: Studio-Drawing Portfolio	2000	60	89.6%	55	91.7%
	2001	89	86.4%	67	75.3%
	2002	105	83.3%	87	82.9%
Art: Studio-2-D Design	2000	145	90.1%	79	54.5%
	2001	105	77.2%	68	64.8%
	2002	98	92.5%	84	85.7%
Art: Studio-3-D Design	2002*	43	79.6%	27	62.8%
Biology	2000	347	98.%	208	59.9%
	2001	406	96.4%	215	53.0%
	2002	556	94.2%	272	48.9%
Chemistry	2000	208	100.0%	105	50.5%
	2001	206	102.5%	123	59.7%
	2002	233	88.3%	138	59.2%
Computer Science A	2000	96	82.1%	24	25.0%
	2001	96	68.1%	51	53.1%
	2002	93	69.9%	59	63.4%
Computer Science AB	2000	36	26.1%	21	58.3%
	2001	37	25.2%	28	75.7%
	2002	25	18.8	16	64.0%
Economics: Microeconomics	2000	68	77.3%	33	48.5%
	2001	51	106.3%	40	78.4%
	2002	74	107.2	44	59.5%
Economics: Macroeconomics	2000	27	245.5%	11	40.7%
	2001	58	68.2%	23	39.7%
	2002	36	189.5%	17	47.2%
English Language & Composition	2000	709	98.3%	442	62.3%
	2001	839	100.2%	484	57.7%
	2002	946	103.2%	597	63.1%
English Literature & Composition	2000	715	101.1	492	68.8%
	2001	769	99.6%	471	61.2%
	2002	982	108.1%	577	58.8%

APPENDIX A (Continued)

Recap for District	Year	# AP Exams	% AP Exams	#AP Scores 3 and Above	% AP Exams 3 and Above
Environmental Science	2000	158	94.0%	91	57.6%
	2001	223	92.9%	109	48.9%
	2002	218	95.6%	102	46.8%
European History	2000	214	96.0%	157	73.4%
	2001	188	94.5%	131	69.7%
	2002	289	98.0%	158	54.7%
French Language	2000	64	106.7%	31	48.4%
	2001	96	117.1%	59	61.5%
	2002	99	104.2%	62	62.6%
French Literature	2000	1	0.0%	1	100.0%
	2001	0			
	2002	0			
Human Geography	2000	0			
	2001	32	100.0%	6	18.8%
	2002	116	57.4%	74	63.8%
German Language	2000	1	100.0%	1	100.0%
	2001	3	150.0%	3	100.0%
	2002	1	100.0%	1	100.0%
Government & Politics: U.S.	2000	565	98.8%	365	64.6%
	2001	623	95.4%	362	58.1%
	2002	730	99.5%	414	56.7%
Government & Politics: Compr	2000	0			
	2001	19	105.6%	16	84.2%
	2002	18	105.9%	13	72.2%
Latin: Virgil	2000	1	100.0%	0	0.0%
	2001	14	100.0%	10	71.4%
	2002	0			
Latin Literature	2000	17	89.5%	11	64.7%
	2001	0			
	2002	14	280.0%	9	64.3%
Mathematics: Calculus AB	2000	508	84.0%	333	65.6%
	2001	540	85.4%	374	69.3%
	2002	584	80.3%	430	73.6%
Mathematics: Calculus BC	2000	136	90.1%	118	86.8%
	2001	174	96.1%	149	85.6%
	2002	225	92.6%	183	81.3%
Music: Listening & Literature	2000	0			
	2001	0			
	2002	0			
Music: Theory	2000	29	93.5%	11	37.9%
	2001	62	86.1%	18	29.0%
	2002	42	87.5%	18	42.9%

APPENDIX A (Continued)

Recap for District	Year	# AP Exams	% AP Exams	#AP Scores 3 and Above	% AP Exams 3 and Above
Physics B	2000	172	101.2%	79	45.9%
	2001	169	97.1%	78	46.2%
	2002	162	83.5%	99	61.1%
Physics C – Mechanics	2000	96	100.0%	50	52.1%
	2001	88	100.0%	53	60.2%
	2002	102	103.0%	72	70.6%
Physics C – Electric & Magnet	2000	22		9	40.9%
	2001	33		15	45.5%
	2002	36		22	61.1%
Psychology	2000	529	97.2%	317	59.9%
	2001	619	97.9%	340	54.9%
	2002	832	97.5%	550	66.1%
Spanish Language	2000	515	103.8%	445	86.4%
	2001	662	98.2%	552	83.4%
	2002	613	100.3%	530	86.5%
Spanish Literature	2000	92	92.0%	83	90.2%
	2001	73	96.1%	59	80.8%
	2002	94	94.0%	80	85.1%
Statistics	2000	273	95.8%	131	48.0%
	2001	223	88.1%	133	59.6%
	2002	286	96.3%	101	35.3%
World History	2002*	99	101.0%	37	37.4%
* New course offering.					

APPENDIX B

AP Individual School Test Results for North Area						
School	Year	Number Students	Number Exams	Percent Exams	Number Exams 3 & Above	Percent Exams 3 and Above
Coconut Creek	2000	73	93	94.9%	45	48.4%
	2001	61	71	97.3%	38	53.5%
	2002	116	140	95.9%	33	23.6%
Coral Springs	2000	206	405	95.3%	297	73.3%
	2001	199	431	103.4%	308	71.5%
	2002	246	534	88.4%	389	72.8%
Deerfield Beach	2000	138	211	112.2%	105	49.8%
	2001	159	286	117.7%	185	64.7%
	2002	179	415	147.7%	251	60.5%
Blanche Ely	2000	156	268	96.1%	205	76.5%
	2001	162	304	95.0%	209	68.8%
	2002	159	321	86.5%	172	53.6%
Wm. T. McFatter	2002	0	58	0.0%	3	5.2%
Pompano Institute	2000	20	38	97.4%	1	2.6%
	2001	41	53	94.6%	12	22.6%
	2002	64	80	95.2%	24	30.0%
Stoneman Douglas	2000	425	1,000	101.1%	741	74.1%
	2001	453	1,061	102.4%	726	68.4%
	2002	505	1,198	98.0%	836	69.8%
Taravella J.P.	2000	224	460	97.5%	309	67.2%
	2001	323	625	97.5%	409	65.4%
	2002	329	644	98.5%	440	68.3%

AP Individual School Test Results for North Central Area						
School	Year	Number Students	Number Exams	Percent Exams	Number Exams 3 & Above	Percent Exams 3 and Above
Boyd Anderson	2000	39	107	254.8%	52	48.6%
	2001	54	102	178.9%	60	58.8%
	2002	236	214	51.8%	74	34.6%
Northeast	2000	35	33	86.8%	16	48.5%
	2001	36	33	80.5%	24	72.7%
	2002	70	89	95.7%	69	77.5%
Nova	2000	416	957	100.5%	721	75.3%
	2001	422	965	100.0%	694	71.9%
	2002	427	929	97.4%	700	75.3%
Piper	2000	134	165	96.5%	102	61.8%
	2001	164	202	98.1%	96	47.5%
	2002	201	261	97.8%	124	47.5%

APPENDIX B (Continued)

AP Individual School Test Results for South Central Area						
School	Year	Number Students	Number Exams	Percent Exams	Number Exams 3 & Above	Percent Exams 3 and Above
Dillard	2000	123	201	104.7%	48	23.9%
	2001	115	180	100.6%	42	23.3%
	2002	113	152	88.4%	51	33.6%
Fort Lauderdale	2000	116	149	98.0%	83	55.7%
	2001	133	225	116.0%	147	65.3%
	2002	203	299	98.4%	170	56.9%
Plantation	2000	123	168	92.8%	107	63.7%
	2001	125	198	95.7%	116	58.6%
	2002	175	288	87.3%	175	60.8%
South Plantation	2000	132	216	94.3%	106	49.1%
	2001	146	315	98.4%	185	58.7%
	2002	218	380	99.5%	190	50.0%
Stranahan	2000	225	365	99.5%	149	40.8%
	2001	244	469	100.2%	208	44.3%
	2002	184	346	103.0%	180	52.0%
Western	2000	357	608	100.0%	454	74.7%
	2001	414	679	98.3%	519	76.4%
	2002	421	745	96.9%	587	78.8%

AP Individual School Test Results for South Area						
School	Year	Number Students	Number Exams	Percent Exams	Number Exams 3 & Above	Percent Exams 3 and Above
Cooper City	2000	157	244	105.2%	161	66.0%
	2001	182	288	107.9%	183	63.5%
	2002	214	352	97.5%	272	77.3%
Flanagan, Charles	2000	232	370	95.6%	198	53.5%
	2001	256	385	89.1%	176	45.7%
	2002	454	784	90.3%	466	59.4%
Hallandale	2000	93	124	94.7%	48	38.7%
	2001	131	160	89.9%	43	26.9%
	2002	70	88	95.7%	41	46.6%
Hollywood Hills	2000	101	133	89.9%	98	73.7%
	2001	169	237	88.8%	154	65.0%
	2002	196	295	91.9%	191	64.7%
McArthur	2000	88	123	96.9%	70	56.9%
	2001	82	108	95.6%	40	37.0%
	2002	89	112	91.8%	50	44.6%
Miramar	2000	54	65	89.0%	29	44.6%
	2001	50	68	109.7%	24	35.3%
	2002	126	152	92.7%	39	25.7%
South Broward	2000	86	118	97.5%	57	48.3%
	2001	92	116	92.8%	39	33.6%
	2002	147	212	91.8%	101	47.6%

APPENDIX B (Continued)

AP Individual School Test Results – Charter Schools						
Charter Schools	Year	Number Students	Number Exams	Percent Exams	Number Exams 3 & Above	Percent Exams 3 and Above
Coral Springs Charter School	2001	0	45	0%	3	6.7%
	2002	0	58	0%	22	37.9%
North Lauderdale Academy	2001	12	10	83.3%	0	0%
	2002	21	18	75.0%	1	5.6%
Pembroke Pines Charter School	2001	29	48	102.1%	10	20.8%
	2002	111	151	98.1%	59	39.1%

APPENDIX C

AP Course Enrollment by School-North Area								
AP Subject	Coconut Creek	Coral Springs	Deerfield Beach	Blanche Ely	Wm. T. McFatter Technical	Pompano Beach	Stoneman Douglas	J.P. Taravella
Art History								X
Art- Studio		X	X	X			X	X
Art- 2D Design		X	X	X		X	X	X
Art-3D Design			X	X			X	
Biology	X	X	X	X		X	X	X
Calculus AB	X	X	X	X		X	X	X
Calculus BC		X	X	X			X	X
Chemistry	X	X	X	X			X	X
Compt. Sci. A		X		X			X	
Compt. Sci. AB		X		X				
Econ.: Macro		X	X	X				
Econ.: Micro		X	X	X	X			
Eng. Lang./Comp.	X	X	X	X	X	X	X	X
Eng. Lit./Comp.	X	X	X	X	X	X	X	X
Enviro. Sci.				X			X	X
European History				X		X		X
French Lang.*			X					
French Lit.								
German Lang.								
Gov/Politics: Comp.								
Gov/Politics: US	X	X	X	X	X		X	X
Human Geography							X	X
Latin Virgil								
Latin Lit.				X				X
Music Theory								X
Physics B			X	X			X	X
Physics C/ Mechanics		X		X			X	X
Physics C/ Elec. & Mag.				X			X	X
Psychology		X	X	X			X	X
Spanish Lang.*	X	X	X	X		X	X	X
Spanish Lit.			X				X	
Statistics		X	X	X			X	X
US History	X	X	X	X	X	X	X	X

Required Core AP courses are indicated by shading.
 *Either French or Spanish Language satisfies the required language AP course.

APPENDIX C (Continued)

AP Course Enrollment by School-North Central Area				
AP Subject	Boyd Anderson	Northeast	Nova	Piper
Art History	X			
Art- Studio	X	X	X	X
Art-2D Design		X	X	
Art-3D Design			X	
Biology	X	X	X	X
Calculus AB	X	X	X	X
Calculus BC		X	X	
Chemistry	X		X	X
Compt. Sci. A			X	
Compt. Sci. AB			X	
Econ.: Macro	X			
Econ.: Micro	X			
Eng. Lang./Comp.		X	X	X
Eng. Lit./Comp.	X		X	X
Enviro. Sci.			X	X
European History			X	X
French Lang.*	X		X	X
French Lit.				
German Lang.				
Gov/Politics: Comp.			X	
Gov/Politics: US			X	X
Human Geography				
Latin Virgil				
Latin Lit.			X	
Music Theory			X	
Physics B	X			
Physics C /Mechanics			X	
Physics C/Elec. & Mag.			X	
Psychology	X		X	
Spanish Lang.*	X	X	X	X
Spanish Lit.			X	
Statistics	X		X	
US History	X	X	X	X
Required Core AP courses are indicated by shading.				
*Either French or Spanish Language satisfies the AP Language requirement.				

APPENDIX C (Continued)

AP Course Enrollment by School – South Central Area						
AP Subject	Dillard	Fort Lauderdale	Plantation	South Plantation	Stranahan	Western
Art History	X					
Art- Studio	X		X	X	X	X
Art- 2D Design	X		X			X
Art- 3D Design	X		X			X
Biology		X	X	X	X	X
Calculus AB	X	X	X	X	X	X
Calculus BC			X			X
Chemistry		X		X	X	X
Compt. Sci. A	X	X	X		X	X
Compt. Sci. AB			X	X		X
Econ.: Macro						
Econ.: Micro						X
Eng. Lang./Comp.	X	X	X	X	X	X
Eng. Lit./Comp.	X	X	X	X	X	X
Enviro. Sci.		X		X	X	
European History			X	X		X
French Lang.*	X	X	X	X	X	
French Lit.						
German Lang.						
Gov/Politics: Comp.				X		
Gov/Politics: US	X	X	X	X	X	X
Human Geography		X		X		
Latin Virgil						
Latin Lit.						
Music Theory				X	X	X
Physics B				X	X	X
Physics C /Mechanics		X	X			
Physics C/Elec. & Mag.						
Psychology		X			X	X
Spanish Lang.*	X	X	X	X	X	X
Spanish Lit.		X			X	X
Statistics		X		X		X
US History	X	X	X	X	X	X

Required Core AP courses are indicated by shading.
 *Either French or Spanish Language satisfies the AP Language requirement.

APPENDIX C (Continued)

AP Enrollment by School – South Area							
AP Subject	Cooper City	Charles Flanagan	Hallandale	Hollywood Hills	McArthur	Miramar	South Broward
Art History		X					
Art- Studio		X	X	X	X		X
Art- 2D Design		X		X	X		
Art- 3D Design				X	X	X	
Biology	X	X	X	X	X	X	
Calculus AB	X	X	X	X	X	X	X
Calculus BC	X	X		X			
Chemistry	X						
Compt. Sci. A	X	X			X		
Compt. Sci. AB	X	X					
Econ.: Macro							
Econ.: Micro							
Eng. Lang./Comp.	X	X	X	X	X	X	X
Eng. Lit./Comp.	X	X	X	X	X	X	X
Enviro. Sci.							
European History		X		X		X	
French Lang.*		X	X		X	X	X
French Lit.							
German Lang.		X					
Gov/Politics: Comp.							
Gov/Politics: US		X		X			X
Human Geography							
Latin Virgil							
Latin Lit.							
Music Theory							
Physics B		X				X	X
Physics C /Mech		X					
Physics C/Elec. & Mag.		X					
Psychology		X		X			X
Spanish Lang.*	X	X	X	X	X	X	X
Spanish Lit.				X			X
Statistics		X		X			
US History	X	X	X	X	X	X	X

Required Core AP courses are indicated by shading.
 Either French or Spanish Language satisfies the AP Language requirement.