



**ALBUQUERQUE  
PUBLIC SCHOOLS**

# **Advanced Placement Enrollment & Exam Performance**

## **Five-Year Trend (2007-2011)**

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# Advanced Placement Enrollment and Exam Performance: 2007-2011

## Table of Contents

	<u>Page</u>
Executive Summary .....	ii
Advanced Placement Courses .....	ii
District AP Enrollment .....	ii
AP Enrollment by Ethnicity .....	iii
AP Courses Offered .....	iv
Exams .....	iv
Equity Targets .....	iv
Technical Report .....	1
Introduction .....	1
District AP Enrollment .....	1
AP Course Offerings .....	2
AP Enrollment by Ethnicity .....	4
Index for AP Ethnic Enrollment .....	9
AP Enrollment by Gender .....	10
AP Courses Offered by District .....	10
Enrollment in Multiple AP Courses .....	12
Qualifying AP Exam Scores .....	13
Conclusion .....	14
Appendix:	
Number of Students Enrolled in Each Course at Each School (2010-2011) .....	16
<u>Figures</u>	
1. District enrollment 2007-2011 .....	1
2. District trends by ethnicity .....	4
3. AP enrollment by ethnicity .....	5
4. Index values of ethnic representation in AP courses .....	9
5. AP enrollment by gender .....	10
<u>Tables</u>	
1. Enrollment over three years .....	2
2. Changes in district courses offerings for the past two years .....	3
3. Ethnic diversity in AP enrollment compared to school enrollment .....	6
4. AP courses at district level .....	11
5. Percent of unique students taking an AP course (2010-2011) .....	12
6. Percent of test takers over three years .....	13
7. Percent of qualifying scores over three years .....	14

# Advanced Placement

## Enrollment and Exam Performance: 2007-2011

### Executive Summary

#### Highlights

- ◆ APS saw a 22% increase in AP enrollment from 2009-10 ( $n=6984$ ) to 2010-11 ( $n=8540$ ).
- ◆ Atrisco Heritage Academy, in its 2nd year offering AP courses, had greatest impact with 603 enrollments—a six-fold increase over previous year.
- ◆ Four other high schools had significant growth in AP enrollment: Sandia (58%), Volcano Vista (52%), Valley (36%) and Highland (27%).
- ◆ For the first time, AP enrollment by Hispanics surpassed that of Whites.
- ◆ Index values of ethnic representation in AP courses indicate that Whites and Asians are overrepresented while Blacks, Hispanics and Native Americans are underrepresented.
- ◆ APS offered 28 of 34 AP courses.
- ◆ English Lang&Comp, English Lit&Comp, US History and World History by far had the greatest enrollments, ranging from 1286 to 1097 students.

#### ADVANCED PLACEMENT COURSES

Advanced Placement (AP) courses are one way APS students can participate in college level course work while still in high school. AP courses are curricula and exams created by the College Board, a non-profit educational organization, and are much more rigorous than general course offerings. AP curricula are focused on improving writing skills; sharpening problem-solving abilities; and developing time management skills, discipline and study habits. Many colleges and universities will award credit for these courses if the student receives a qualifying score of 3 or higher on the AP subject exam (highest score available is a 5).

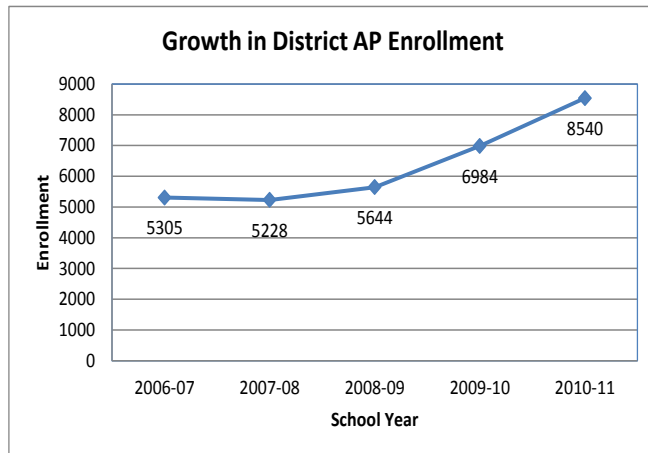
With 34 AP courses to choose from, each school district selects the AP courses to offer and must have the course syllabus approved by the College Board. Teachers who are assigned to teach AP courses are expected to have undertaken some form of professional development prior to teaching AP for the first time. College Board and College Board-endorsed workshops provide teachers with valuable course-specific content and pedagogical knowledge, and serve as collegial environments in which teachers can interact with experienced members of the AP community.

#### DISTRICT AP ENROLLMENT

Albuquerque Public Schools believes that participating in these AP courses, whether the students take the AP exam for college credit or not, is such an important part of the students' high school career that the district supports open enrollment and individual student support to succeed in these courses. District and school level initiatives such as these over the last four years have dramatically increased AP enrollment.

## DISTRICT AP ENROLLMENT (CONT'D)

The growth in AP enrollment of 22% from 2010 to 2011 was nearly the largest the District has seen (compared to 24% growth in 2010). This represents an increase of 1556 AP course enrollments (see graph below). Atrisco Heritage Academy in its second year offering AP courses had the greatest impact on this increase with an additional 603 enrollments—a six-fold increase over the previous year. Additionally, Sandia, Volcano Vista, Valley and Highland showed the greatest increases in their enrollment of 58%, 52%, 36% and 27%, respectively. The table below is a comparative look at district AP enrollment over the last three years. CEC also offers Physics C for students in seven of the high schools.

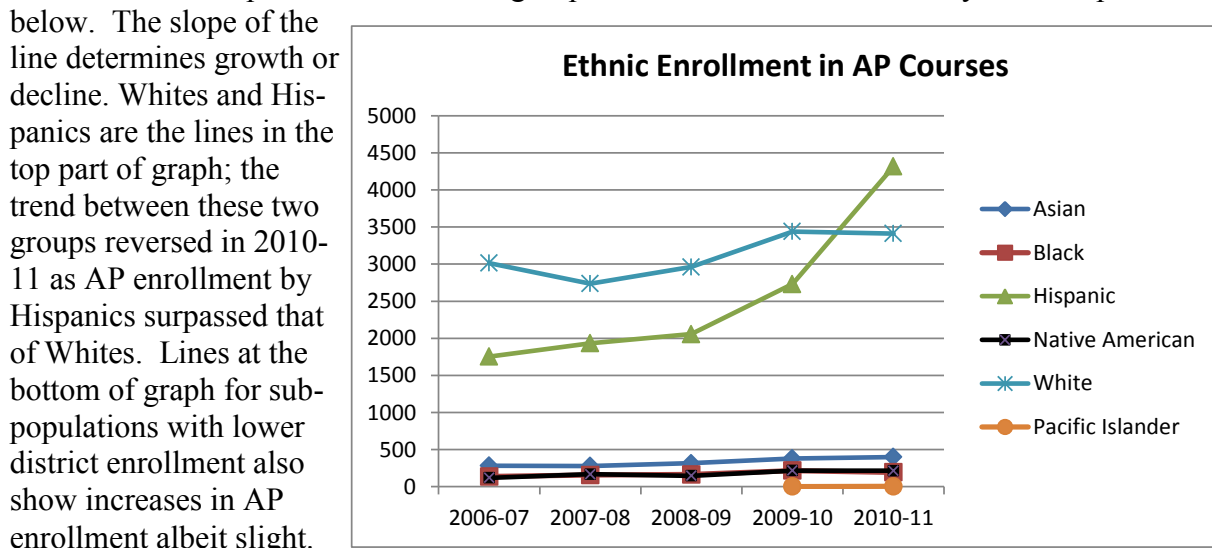


High Schools	2008-09	2009-10	2010-11
Albuquerque	503	666	641
*Atrisco Herit. Acad.	NA	99	702
Cibola	656	622	643
Del Norte	494	473	456
Eldorado	595	611	662
Highland	370	582	738
La Cueva	959	1037	1207
Manzano	290	421	447
Rio Grande	499	462	433
Sandia	345	379	599
Volcano Vista	227	724	1097
Valley	208	239	325
West Mesa	461	606	564
Early College. Acad.	15	27	26
<b>Total</b>	<b>5644</b>	<b>6984</b>	<b>8540</b>

*\*Atrisco Heritage Academy began offering AP classes in 2009-10.*

## AP ENROLLMENT BY ETHNICITY

In 2010-11, Hispanics showed more increase in enrollment than any other ethnic group although all ethnic groups showed increases. This past year, the district started tabulating ethnic categories based on the new U.S. Census method. This contributed markedly to the increase in the Hispanic count. Ethnic group enrollment over the last five years is depicted below. The slope of the line determines growth or decline. Whites and Hispanics are the lines in the top part of graph; the trend between these two groups reversed in 2010-11 as AP enrollment by Hispanics surpassed that of Whites. Lines at the bottom of graph for sub-populations with lower district enrollment also show increases in AP enrollment albeit slight.



## AP COURSES OFFERED

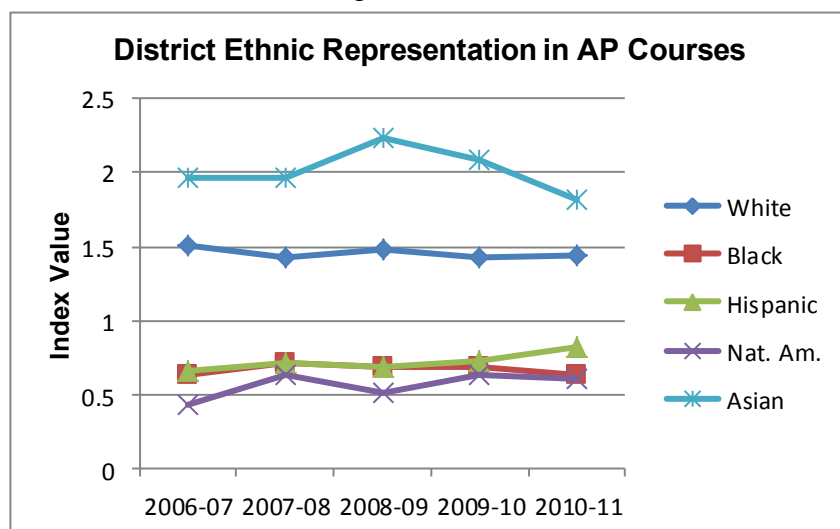
The College Board has curriculum for 34 courses; 28 of 34 courses were offered in APS in 2010-2011. English Language & Composition, English Literature & Composition, U.S. History and World History by far have the greatest enrollments, ranging from 1286 to 1097 students. Studio Art, Latin, German and French have significantly smaller enrollments, ranging from 7 to 1. Enrollment distribution for the remaining AP courses in APS is found in Table 4 (p. 11) of the comprehensive technical report.

## EXAMS

In order to be eligible to earn college credit for the AP course, a student must take the qualifying exam for the course and earn a university determined score. The College Board does not refer to passing or failing scores because different universities require different scores to earn credit; generally, on a scale of 1 to 5, a score of 3 or better is considered a *qualifying* score. In the most recent year, APS saw an increase of nearly 7% in students taking the exams for AP courses; however, there were 8% fewer qualifying exam scores than in the previous year.

## EQUITY TARGETS

The College Board strongly encourages educators to make equitable access a guiding principle for their AP programs by giving all willing and academically prepared students the opportunity to participate in AP. The College Board encourages the elimination of barriers that restrict access to AP for students from ethnic, racial and socioeconomic groups that have been traditionally underserved. At APS, the enrollment in AP courses by ethnic groups is difficult to report because of the wide variations in proportions of the different groups. For example, Hispanic enrollment in high school is 61.8% while Asian student enrollment is 2.6%. However, an index for AP enrollment can help make comparisons across ethnic groups; the goal is that the AP enrollment for each ethnic group is proportionate to the overall enrollment. For example, if there are 3% Native Americans in high school, then 3% of the AP enrollment should be Native American; if true, the index would be 1.0, showing a perfect match of enrollment to AP course taking. The closer a group's index is to 1.0, the more equitable the AP enrollment. Below 1.0 indicates underrepresentation and over 1.0 indicates overrepresentation in AP courses. The index is simply the percent of that ethnic group in APS high schools divided into the percent of that ethnic group enrolled in AP courses. This index is a gross measure of ethnic representation in AP courses. The graph shows the match of Hispanic enrollment to AP course-taking in 2010-11 moved closer to the ideal index of 1.0, indicating greater equity than in previous years.



# Advanced Placement Enrollment and Exam Performance: 2007-2011

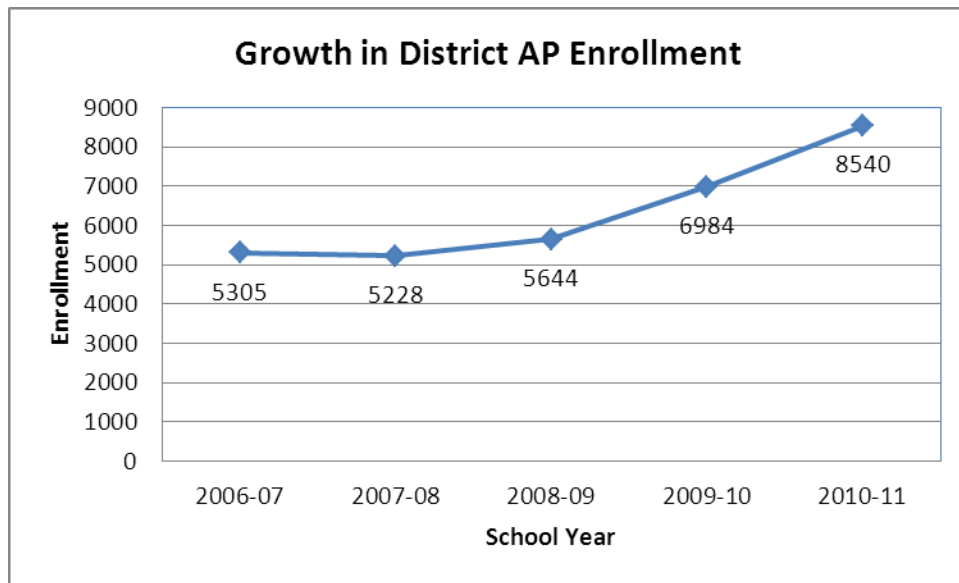
## Technical Report

### Introduction

This AP technical report examines trends for the total enrollment, as well as ethnic and gender participation in AP courses for the past five years (2007-2011). Also included is an index of ethnic representation, percent of students taking exams, and percent of qualifying scores.

### District AP Enrollment

The growth in AP enrollment of 22% from 2010 to 2011 was nearly the largest the District has seen (compared to 24% growth in 2010). This represents an increase of 1556 AP course enrollments (Figure 1).



**Figure 1. District enrollment 2007-2011.**

*There was a 22% increase in enrollment in AP courses from 2009-10 (n=6984) to 2010-11 (n=8540).*

Atrisco Heritage Academy in its second year offering AP courses had the greatest impact on this increase with an additional 603 enrollments—a six-fold increase over the previous year. Additionally, Sandia, Volcano Vista, Valley and Highland (see Table 1) showed the greatest increases in their enrollment of 58%, 52%, 36% and 27%, respectively.

<b>Table 1. Enrollment over three years.</b>			
<b>High Schools</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>
Albuquerque	503	666	641
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Early College. Acad.	15	27	26
<b>Total</b>	<b>5644</b>	<b>6984</b>	<b>8540</b>
<i>*Atrisco Heritage Academy began offering AP classes in 2009-10.</i>			

## **AP Course Offerings**

For the past two years, the number of schools that offer each of the 34 College Board's AP courses are listed in Table 2 with district increases or decreases of those course offerings in the past year. Last year the district offered 28 distinct AP courses.

In 2010-11, seven schools sent students to CEC to take Physics C: Mechanics & Electromagnetism, while two more schools offered Biology, English Language & Composition, U.S. History, European History, Economics: Macro, Statistics, Spanish Language, and Music Theory. Latin: Vergil was offered for the first time in 2010-2011. A table with enrollment for each course at each school is in the Appendix.

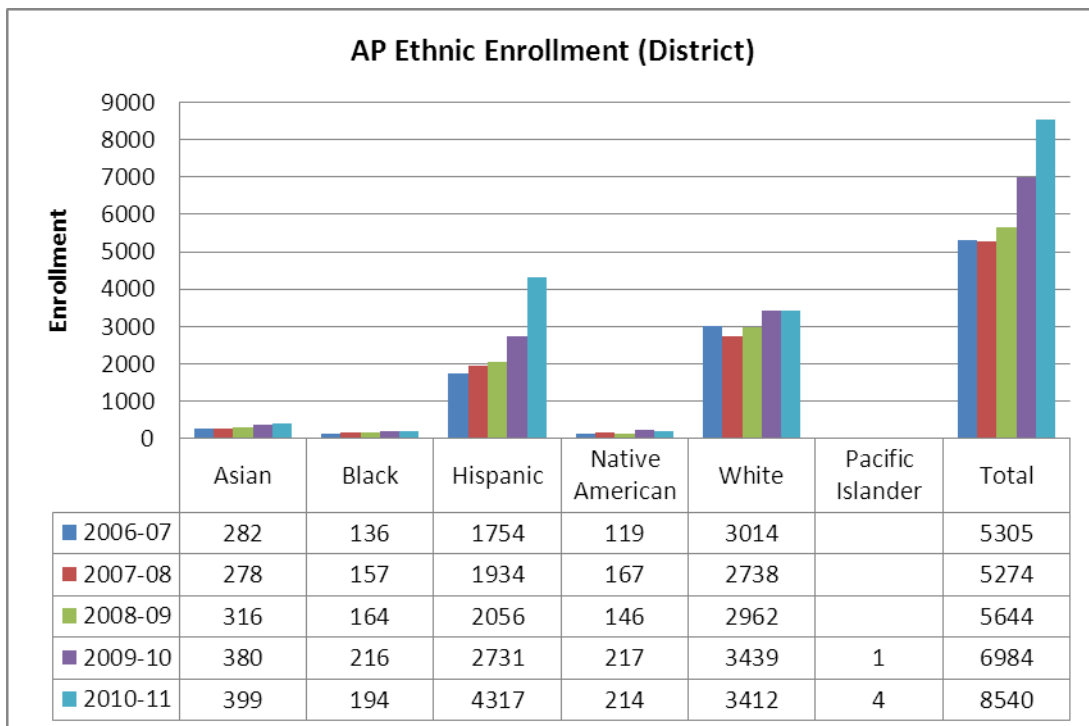


<b>Table 2. Changes in district courses offerings for the past two years.</b>			
<b>AP Courses</b>	<b>Number of Schools* Offering Courses</b>		<b>Change in School Offerings</b>
	<b>2009-10</b>	<b>2010-11</b>	
<b>Science</b>			
Biology	5	7	+2
Chemistry	7	6	-1
Environmental Science	3	2	-1
Physics B	8	8	0
Physics C: Mechanics &	2	8**	+6
Physics C: Electromagnetism	2	8**	+6
<b>English</b>			
English Language & Composition	10	12	+2
English Literature & Composition	13	13	0
<b>History &amp; Social Studies</b>			
U. S. History	11	13	+2
World History	13	13	0
European History	1	3	+2
Macroeconomics	5	7	+2
† Microeconomics			
Psychology	7	6	-1
† Human Geography			
Govt. & Politics: U.S.	9	10	+1
Govt. & Politics: Comparative	<i>Not offered by district.</i>		
<b>Mathematics</b>			
Calculus I	12	13	+1
Calculus II	8	7	-1
Statistics	4	6	+2
<b>Foreign Language</b>			
Spanish Language	8	10	+2
Spanish Literature	7	5	-2
French Language	3	1	-2
German Language	1	1	0
† Italian Language & Culture			
Japanese Language & Culture	<i>Not offered by district.</i>		
Chinese Language & Culture	<i>Not offered by district.</i>		
Latin: Vergil	0	1	+1
<b>Art &amp; Music</b>			
Art History	2	1	-1
Studio Art: Drawing	6	6	0

Studio Art: 2-D Design	2	3	+1
Studio Art: 3-D Design	1	2	+1
Music Theory	1	3	+2
<b>Computer Science</b>			
Computer Science A	1	1	0
*Besides the totals for the 13 comprehensive high schools, this table also includes the courses taught at Early College Academy.			
**CEC provides this course for seven of these schools.			
† These courses are approved by the district but were not offered in last two years.			

## AP Enrollment by Ethnicity

Figure 2 shows the district trends in enrollment for each ethnic group over the past five years. In 2010-11, Hispanics showed more increase in enrollment than any other ethnic group although all ethnic groups showed increases. This past year, the district started tabulating ethnic categories based on the U.S. Census method. This contributed markedly to the increase in the Hispanic count.

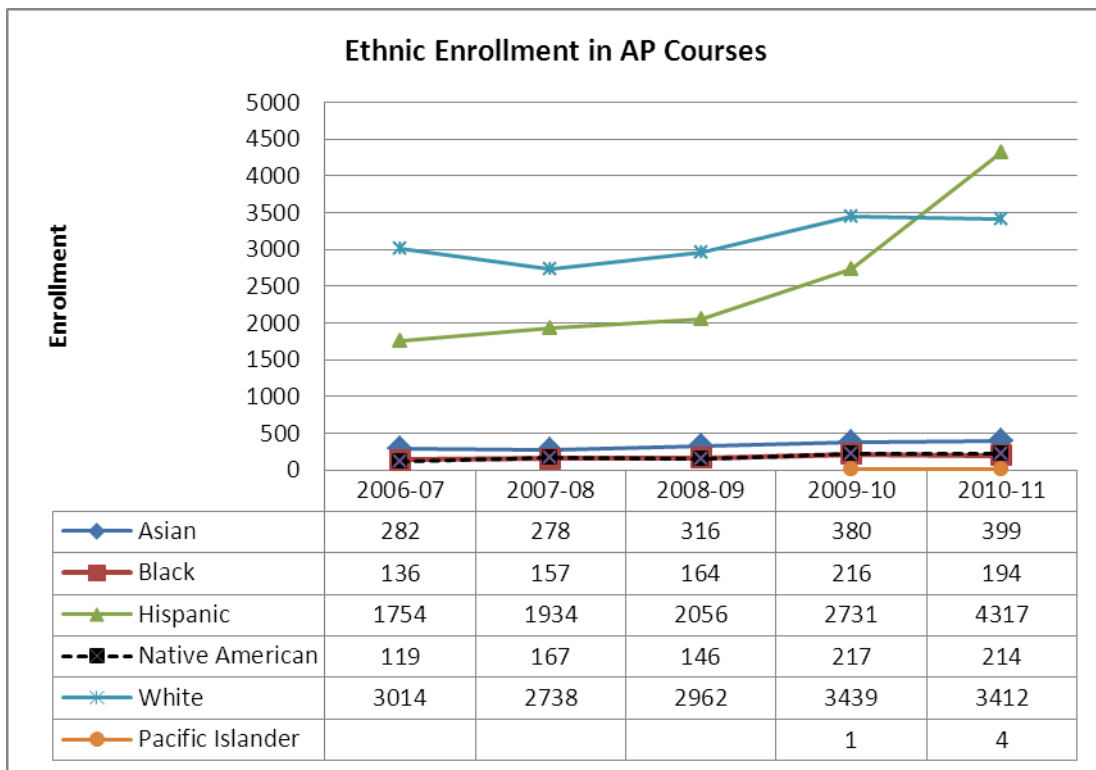


**Figure 2. District trends by ethnicity.**

Figure 3 uses a different way than Figure 2 of illustrating ethnic group enrollment over the past five years. The slope of the line determines growth or decline. Because of their larger populations in the district, White and Hispanic are the lines in the top part of the graph. In 2007-08, there was a narrowing of the gap in AP enrollment between Hispanics and Whites, and the trend continued through 2009-10. In 2010-11, the trend reversed as AP enrollment by Hispanics surpassed that of Whites.

Again, the lines at the bottom of the graph for sub-populations (Asian, Black, Native Americans, and Pacific Islanders) with lower district enrollment also show increases in AP enrollment.

Because of the change in ethnic codes based on the census during 2010-11, some students who were identified as White are now identified as Hispanic. As a result, this has increased the number of Hispanic students taking AP courses.



**Figure 3. AP enrollment by ethnicity.**

Table 3 gives the percentage of the representation of each ethnic group in AP courses over the past five years. The highlighted row at the bottom of the district and each school shows the 40-day enrollment for each ethnic group for 2010-11. The district total is based on high school enrollment only. This table differs from the previous two figures because they report the *number* of enrolled students and this table reports the *percentage* of enrolled students. Black, Native American, and Asian enrollments in the district represented approximately 2%, 3%, and 5%, respectively, in 2010-11, while White and Hispanic enrollment represented 40% and 51%, respectively.

Reading down the column under each ethnic group for the district and for many schools gives an idea of the increasing diversity of enrollment over the past five years.

<b>Table 3. Ethnic diversity in AP enrollment compared to school enrollment.</b>							
	<b>AP Enrollment Year</b>	<b>Percentage of Ethnic Enrollment</b>					
		<b>% White</b>	<b>% Black</b>	<b>% Hispanic</b>	<b>% Nat. Amer.</b>	<b>% Asian</b>	<b>% Pac. Islander</b>
District (HS only)	2006-07	57	3	33	2	5	
	2007-08	52	3	37	3	5	
	2008-09	53	3	36	3	6	
	2009-10	49	3	39	3	5	
	2010-11	40	2	51	3	5	
	District %	27.8	3.6	61.8	4.2	2.6	
Albuquerque	2006-07	57	3	33	2	5	
	2007-08	52	3	37	3	5	
	2008-09	52	2	40	2	4	
	2009-10	49	3	41	4	3	
	2010-11	40	2	55	2	2	
	School %	14.1	4.2	77.5	3.4	0.8	
*Atrisco Heritage	2009-10	11	3	84	2	0	
	2010-11	8	2	87	2	1	
	School %	5.7	2.1	89.2	2.3	0.8	
Cibola	2006-07	65	4	24	2	5	
	2007-08	61	4	27	2	6	
	2008-09	59	3	30	3	5	
	2009-10	59	5	30	2	3	
	2010-11	52	2	40	2	4	
	School %	35.1	4.7	53.4	4.3	2.5	
Del Norte	2006-07	53	5	31	3	8	
	2007-08	51	4	31	8	5	
	2008-09	50	6	37	4	3	
	2009-10	44	4	41	8	3	
	2010-11	40	3	49	5	4	
	School %	24.5	5.0	56.3	12.4	1.9	

**Table 3. Ethnic diversity in AP enrollment compared to school enrollment.**

	AP Enrollment Year	Percentage of Ethnic Enrollment					
		% White	% Black	% Hispanic	% Nat. Amer.	% Asian	% Pac. Islander
Eldorado	2006-07	85	1	10	2	3	
	2007-08	83	<1	9	3	5	
	2008-09	84	3	10	1	3	
	2009-10	79	3	13	3	3	
	2010-11	72	2	20	2	3	
	School %	58.7	3.2	32.2	3.1	2.6	0.1
Highland	2006-07	36	2	49	5	8	
	2007-08	32	7	49	7	5	
	2008-09	35	7	43	5	9	
	2009-10	35	10	42	6	8	
	2010-11	21	7	60	4	8	
	School %	14.8	7.4	65.5	8.8	3.5	
La Cueva	2006-07	73	2	12	<1	12	
	2007-08	71	2	14	<1	12	
	2008-09	67	3	13	3	14	
	2009-10	71	1	13	1	13	
	2010-11	64	2	20	2	13	
	School %	57.4	2.6	30.5	1.6	7.9	
Manzano	2006-07	74	2	16	1	7	
	2007-08	73	3	15	2	8	
	2008-09	67	3	13	3	14	
	2009-10	68	4	18	2	9	
	2010-11	55	1	33	2	8	
	School %	33.8	4.8	50.9	5.0	5.4	0.1
Rio Grande	2006-07	12	2	85	2	<1	
	2007-08	11	<1	87	2	<1	
	2008-09	11	<1	87	2	<1	
	2009-10	8	<1	90	<1	1	
	2010-11	8	<1	91	<1	0	
	School %	4.6	1.1	93.0	1.3	0.1	
Sandia	2006-07	71	4	21	2	2	
	2007-08	72	3	19	4	3	
	2008-09	71	2	21	1	4	
	2009-10	67	3	22	2	6	
	2010-11	42	4	48	3	4	
	School %	44.1	3.8	45.1	3.7	3.3	

**Table 3. Ethnic diversity in AP enrollment compared to school enrollment.**

	AP Enrollment Year	Percentage of Ethnic Enrollment					
		% White	% Black	% Hispanic	% Nat. Amer.	% Asian	% Pac. Islander
Valley	2006-07	48	2	47	2	1	
	2007-08	33	2	62	2	<1	
	2008-09	32	1	63	2	2	
	2009-10	27	0	72	0	1	
	2010-11	12	0	86	1	1	
	School %	9.7	0.8	86.8	2.3	0.3	
*Volcano Vista	2008-09	47	3	43	4	3	
	2009-10	48	3	42	3	4	<1
	2010-11	41	3	50	2	4	<1
	School %	32.4	4.2	58.2	3.1	1.9	<1
West Mesa	2006-07	14	4	72	7	3	
	2007-08	11	4	77	6	2	
	2008-09	13	3	78	5	2	
	2009-10	12	2	78	6	3	
	2010-11	7	2	85	5	1	
	School %	5.8	2.9	84.3	6.5	0.6	
**CEC	2006-07	85		12		4	
	2007-08	82	5	14			
	2008-09	86		5		9	
	2009-10	72		14		14	
	2010-11	NA	NA	NA	NA	NA	NA
	School %	NA	NA	NA	NA	NA	NA
*ECA	2007-08	67	8	25			
	2008-09	67		33			
	2009-10	74		15		11	
	2010-11	54		42			4
	School %	32.7	2.7	59.3	1.3	3.3	<1

*\*Because they are new schools, Early College Academy (ECA) first offered an AP course in 2008, Volcano Vista in 2009, and Atrisco Heritage Academy in 2010.*

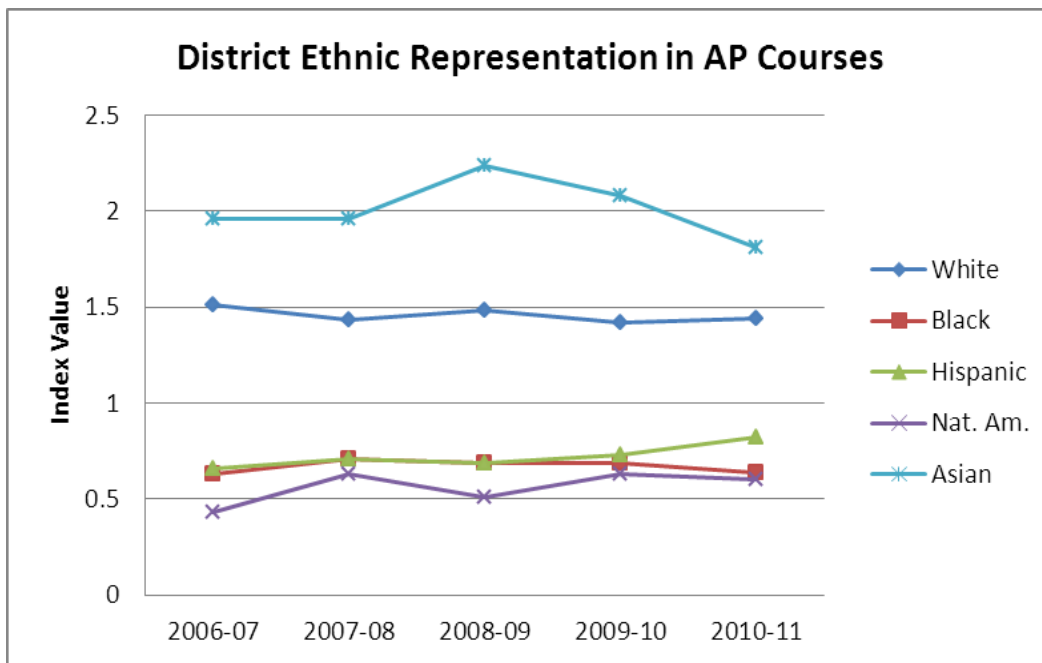
*\*\*Starting in 2011, CEC enrollment for AP Physics C is embedded in primary schools' data.*

## Index for AP Ethnic Enrollment

In 2003, Broward County Public Schools in South Florida created an index (Leonard, et al, 2003) to track AP participation across ethnic groups in relation to the ethnic enrollment in its district. The intent was to measure whether the achievement gap in AP enrollment was closing. In Figure 4 below, the same index is illustrated with APS data for the past five years.

It is ideal for each ethnic group to have an index number of 1.0, which would mean that the ethnicity of the AP population matches that of the district high school enrollment for that ethnicity. Below 1.0 indicates under representation and over 1.0 indicates overrepresentation in AP courses. The index is simply the percent of that ethnic group in our high schools divided into the percent of that ethnic group enrolled in AP courses. This index is a gross measure of ethnic representation in AP courses.

In APS, Whites and Asians are overrepresented while Blacks, Hispanics, and Native Americans are about equally underrepresented. In 2010-11, Whites' AP enrollment as a percentage of total enrollment stayed nearly the same, while enrollment of Asians decreased. The gap between Whites and Hispanics narrowed slightly in 2010-11.



**Figure 4. Index values of ethnic representation in AP courses.**

*Leonard, T., Blasik, K., Dilgen, A., & Till, F (2003). Advanced placement programs as a means of narrowing the achievement gap. ERS Spectrum, Spring, 4-14.*

## AP Enrollment by Gender

Figure 5 shows the trend of the growth for males and females in AP course for the past five years. Across the district, as well as in each school, appreciably more females than males have been enrolled in AP courses over each of the past five years. Males have usually comprised over 50% of the high school student population, yet in 2010-11 they represented only 43% of AP enrollment, slightly more than last year.

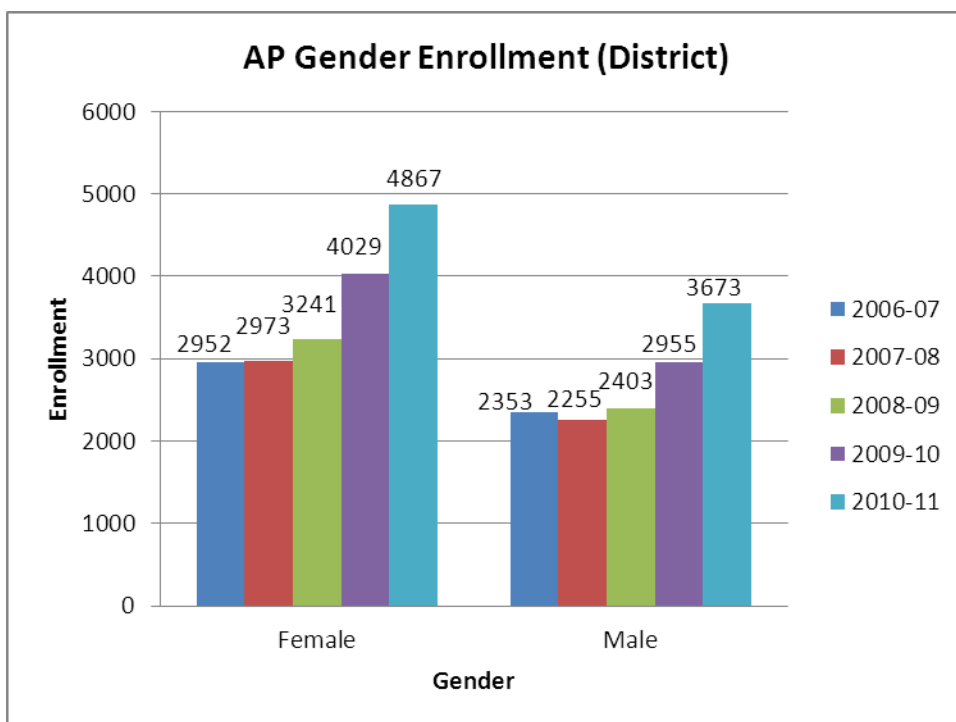


Figure 5. AP enrollment by gender.

## AP Courses Offered by District

Table 4 shows the enrollment of each of the 28 AP courses offered across the district for the past three years. The last column is accompanied by the percent of total AP enrollment each course represented for 2010-11.

The table is ordered by the highest course enrollment to the lowest for 2010-11. As has been the case for the last several years, English Language & Composition, English Literature & Composition, World History, and US History were the four highest enrollments. Together these four comprise 55% of enrollments.

English Language & Composition has seen the greatest increase in enrollment of all courses during the past three years with two more schools offering it in 2010-11. Enrollment has also increased in Spanish Language, Physics B, Biology and European History. Enrollment in Calculus I stayed nearly the same as in 2009-10 while enrollment in Calculus II decreased appreciably from 84 to 49 students. Enrollment in the sciences increased slightly to 12% compared to 11% last year.



<b>Table 4. AP courses at district level.</b>				
<b>AP Courses</b>	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>	
	<b>Enrollment</b>			<b>%</b>
English Lang & Comp	931	1117	1286	15.1
English Lit & Comp	737	859	1172	13.7
World History	920	974	1138	13.3
US History	761	817	1079	12.6
US Govt & Politics	257	562	592	6.9
Calculus I	491	422	425	5.0
Spanish Language	195	293	408	4.8
Macroeconomics	148	285	346	4.1
Physics B	174	212	323	3.8
Biology	126	129	276	3.2
Statistics	118	182	244	2.9
Psychology	89	243	242	2.8
Chemistry	117	183	207	2.4
Environmental Science	205	207	158	1.9
Spanish Literature	93	168	158	1.9
European History	28	33	152	1.8
Studio Art: Drawing	49	83	78	.9
*Physics C: Mechanics *Physics C: Electromag.	22	56	66	.8
Calculus II	84	84	49	.6
Studio Art: 2-D Design	4	11	39	.5
Music Theory	NA	5	34	.4
Computer Science A	NA	NA	33	.4
Art History	23	43	19	.2
Studio Art: 3-D Design	NA	6	7	.1
Latin: Vergil	NA	NA	7	.1
German Language	4	2	1	<1
French Language	3	8	1	<1
**Human Geography	65	0	NA	NA
<b>Total</b>	5644	6984	8540	100.0
<p><i>*Physics C is comprised of two AP courses in which student take a full credit of Mechanics in the fall and a full credit of Electromagnetism in the spring.</i></p> <p><i>**Not offered in 2009-10 and 2010-11.</i></p>				

## Enrollment in Multiple AP Courses

Table 5 represents the number of unique students enrolled in one or more AP course in 2010-11. Across the district, 60.6% of the 8540 AP enrollments were unique students. That means that the converse, 39.4% of the enrollment, were students who enrolled in more than one AP course.

A larger number of course offerings at some schools could explain why some students take more than one AP course. Conversely, the higher percentage of unique students enrolled in AP courses could be an indication that the school is more inclusive. The truth is, each school's percentages of unique students enrolled or the percentage of students enrolled in multiple courses is an interaction of those two conditions. Each school is the best judge of how to interpret the data in Table 5.

There is no inherent value attached to whether a school has a lower or higher percentage of "unique students enrolled" than the district or another school. There could be several reasons for the high percentage of unique students or, on the other hand, for a high percentage of students who took more than one AP course. (This table was put in ascending order based on percent of unique students as an organizing principle only.)

<b>Table 5. Percent of unique students taking an AP course (2010-2011).</b>				
<b>School</b>	<b>Unique Students Enrolled</b>	<b>School's Total AP Enrollment</b>	<b>Unique Students Enrolled (%)</b>	<b>Students Enrolled in Multiple AP Courses (%)</b>
Highland	389	662	56.0	44.0
Albuquerque	360	641	56.2	43.8
Del Norte	261	456	57.2	42.8
Volcano Vista	627	1097	57.2	42.8
La Cueva	698	1207	57.8	42.2
West Mesa	326	564	57.8	42.2
Eldorado	389	662	58.8	41.2
Rio Grande	257	433	59.4	40.6
<b>District</b>	<b>5179</b>	<b>8540</b>	<b>60.6</b>	<b>39.4</b>
Manzano	281	447	62.9	37.1
Sandia	382	599	63.8	36.2
Cibola	420	643	65.3	34.7
Atrisco Heritage	485	702	69.1	30.9
Valley	259	325	79.7	20.3
Early College Acad.	21	26	80.8	19.2

For both the district and each school, Table 6 lists the percent of the total exams taken. Essentially, the percentage of exams taken has increased about 6.6% since 2009-10.

<b>Table 6. Percent of test takers over three years.</b>					
	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>		
<b>School</b>	<b>Test Takers (%)</b>	<b>Test Takers (%)</b>	<b>Total Exams</b>	<b>School AP Enrollment</b>	<b>AP Enrollees Taking Exams (%)</b>
Albuquerque	76.7	66.8	411	641	64.1
*Atrisco Heritage	NA	85.9	591	702	84.2
Cibola	46.5	37.0	201	643	31.3
Del Norte	51.6	38.3	165	456	36.2
Eldorado	48.7	59.6	490	662	74.0
Highland	57.6	35.6	251	738	34.0
La Cueva	50.7	53.1	673	1207	55.8
Manzano	65.9	63.4	259	447	57.9
Rio Grande	54.1	42.6	343	433	79.2
Sandia	50.7	53.2	389	599	64.9
Valley	48.6	58.6	181	325	55.7
Volcano Vista	42.7	28.3	397	1097	36.2
West Mesa	85.7	66.5	512	564	90.7
Early Coll. Acad.	0	70.4	26	26	100.0
<b>District</b>	<b>56.2</b>	<b>50.6</b>	<b>4889</b>	<b>8540</b>	<b>57.2</b>
<i>*For 2010-11, Atrisco Heritage Academy only had three grade levels, 9<sup>th</sup>-11<sup>th</sup>.</i>					

### **AP Qualifying Exam Scores**

Table 7 reports for the district and schools the percent of AP qualifying exam scores, i.e., those that are 3, 4, or 5. Most colleges will award credit for qualifying scores.

<b>Table 7. Percent of qualifying scores over three years.</b>					
	<b>2008-09</b>	<b>2009-10</b>	<b>2010-11</b>		
<b>School</b>	<b>Percent of Qualifying Scores</b>	<b>Percent of Qualifying Scores</b>	<b>Total Exams</b>	<b>Qualifying Scores</b>	<b>Percent of Qualifying Scores</b>
Albuquerque	54.7	68.2	411	284	69.1
*Atrisco Heritage	NA	11.8	591	46	7.8
Cibola	50.3	54.3	201	110	54.7
Del Norte	25.9	26.5	165	43	26.1
Eldorado	71.0	70.1	490	312	63.7
Highland	51.9	58.9	251	124	49.4
La Cueva	76.1	75.9	673	530	78.8
Manzano	38.6	37.7	259	94	36.3
Rio Grande	21.1	27.9	343	76	22.2
Sandia	70.5	68.6	389	247	63.5
Valley	29.7	47.1	181	32	17.7
*Volcano Vista	41.7	46.4	397	215	54.2
West Mesa	30.9	32.0	512	113	22.1
*ECA		73.7	26	18	69.2
<b>District</b>	<b>49.5</b>	<b>53.9</b>	<b>4889</b>	<b>2244</b>	<b>45.9</b>
<i>*Because they are new schools, Early College Academy (ECA) first offered an AP course in 2008, Volcano Vista in 2009, and Atrisco Heritage Academy in 2010.</i>					

## **Conclusion**

The 22% increase in AP enrollment from the previous year was nearly the most ever. In 2010-11, there were more schools that offered AP courses in Biology, English Language & Composition, U.S. History, Macroeconomics, Statistics, and Spanish Language. More schools took advantage of CEC's offering of Physics C. The only new AP course offered in 2010-11 was Latin: Vergil.

The percent of students taking exams has increased about 6.6% from the previous year and the percentage of qualifying scores has decreased 8.0% from 53.9% in 2009-10 to 45.9% in 2010-11.

One reason for the decrease in the percent of qualifying scores may be caused by the pressure to increase AP enrollment. Teachers who are not prepared may be asked to teach a course without having attended a summer AP Institute. Many teachers and administrators may not realize AP courses are entry college-level classes that are developed by as many college professors as they are by high school teachers. Also, there are as many college professors grading AP exams as there are high school teachers.

A decisive step to increase qualifying scores on AP exams would be to require new AP teachers to take summer or other AP Institutes and for administrators to survey their teachers about what specific AP training they have had to determine professional development needs.

A goal for next year would be to get the percent of qualifying scores over 50%, while still holding the district percent of enrollees taking exams to 57.2%.

The most likely courses where growth will come from will be in the sciences, i.e., Biology, Chemistry, Environmental Science, Physics B, and Physics C. There was some growth in Biology and Physics B this past year but there is room for more. One reason that the AP science course enrollment may not be growing as much as other courses is because of the expensive materials needed. Despite this, APS has done a very good job of increasing its enrollment in AP classes.

## Appendix

### Number of Students Enrolled in Each Course at Each School (2010-2011)

<b>Albuquerque</b>	<i>N</i>
US Govt & Politics	69
Economics-Macro	43
US History	91
World History	102
English Lang & Comp	78
English Lit & Comp	50
Calculus I	63
Calculus II	12
Psychology	14
Physics C	26
Spanish V Lit	26
Spanish V Lang	55
Studio Art: Drawing	10
<b>Total Courses = 13</b>	<b>641</b>
<b>Atrisco Heritage</b>	
	<i>N</i>
US History	132
World History	99
English Lit & Comp	216
Physics B	17
Biology	60
Chemistry	53
Spanish Lit	30
Spanish Lang	74
Studio Art: Drawing	21
<b>Total Courses = 9</b>	<b>702</b>

<b>Cibola</b>	<i>N</i>
US Govt & Politics	24
US History	96
World History	122
European History	34
English Lang & Comp	119
English Lit & Comp	82
Statistics	17
Calculus I	69
Chemistry	23
Psychology	29
Spanish Lang	5
Studio Art: Drawing	4
Music Theory	19
<b>Total Courses = 12</b>	<b>643</b>
<b>Del Norte</b>	
	<i>N</i>
US Govt & Politics	63
Economics-Macro	61
US History	64
World History	63
English Lang & Comp	107
English Lit & Comp	50
Calculus I	18
Physics B	12
Chemistry	17
Physics C	1
<b>Total Courses = 10</b>	<b>456</b>

<b>Eldorado</b>	<i>N</i>
US Govt & Politics	34
US History	114
World History	61
English Lang & Comp	174
English Lit & Comp	82
Calculus I	47
Calculus II	6
Biology	45
Physics C	5
Psychology	69
Spanish Lang	25
<b>Total Courses = 11</b>	<b>662</b>
<b>Highland</b>	
	<i>N</i>
US Govt & Politics	44
Economics-Macro	42
US History	38
World History	49
English Lang & Comp	135
English Lit & Comp	81
Statistics	2
Calculus I	22
Biology	30
Chemistry	61
Physics C	20
Psychology	57
French	1
German	1
Spanish Lit	33
Spanish Lang	103
History of Art	19
<b>Total Courses = 17</b>	<b>738</b>

<b>La Cueva</b>	<i>N</i>
US History	129
World History	151
European History	31
English Lang & Comp	197
English Lit & Comp	153
Statistics	114
Calculus I	68
Calculus II	17
Physics B	102
Biology	72
Chemistry	32
Physics C	4
Environmental Science	137
<b>Total Courses = 13</b>	<b>1207</b>
<b>Manzano</b>	<i>N</i>
US Govt & Politics	25
Economics-Macro	22
US History	67
World History	70
English Lit & Comp	46
Calculus I	25
Physics B	107
Biology	15
Psychology	37
Computer Science	33
<b>Total Courses = 10</b>	<b>447</b>

<b>Rio Grande</b>	<i>N</i>
US Govt & Politics	52
Economics-Macro	54
US History	21
World History	29
English Lang & Comp	56
English Lit & Comp	40
Calculus I	4
Physics B	29
Biology	23
Environmental Science	21
Spanish Lit	58
Spanish Lang	44
Music Theory	2
<b>Total Courses = 13</b>	<b>433</b>
<b>Sandia</b>	<i>N</i>
US Govt & Politics	37
Economics-Macro	36
US History	62
World History	129
English Lang & Comp	79
English Lit & Comp	66
Statistics	48
Calculus I	34
Calculus II	8
Physics B	20
Chemistry	21
Physics C	5
Spanish Lang	18
Latin: Vergil	7
Studio Art: Drawing	9
Studio Art: 2D Design	5
Studio Art: 3D Design	2
Music Theory	13
<b>Total Courses = 18</b>	<b>599</b>

<b>Valley</b>	<i>N</i>
US History	58
World History	70
English Lang & Comp	90
English Lit & Comp	48
Calculus I	18
Calculus II	3
Physics C	2
Spanish Lit	11
Spanish Lang	25
<b>Total Courses = 9</b>	<b>325</b>
<b>Volcano Vista</b>	<i>N</i>
US Govt & Politics	151
US History	169
World History	146
European History	87
English Lang & Comp	161
English Lit & Comp	146
Statistics	55
Calculus I	27
Calculus II	2
Physics B	22
Biology	31
Psychology	36
Spanish Lang	20
Studio Art: Drawing	23
Studio Art: 2D Design	16
Studio Art: 3D Design	5
<b>Total Courses = 16</b>	<b>1097</b>

<b>West Mesa</b>	<b><i>N</i></b>
Economics-Macro	93
US Govt & Politics	88
US History	38
World History	47
English Lang & Comp	74
English Lit & Comp	112
Statistics	8
Calculus I	21
Calculus II	1
Physics B	14
Spanish Lang	39
Studio Art: Drawing	11
Studio Art: 2D Design	18
<b>Total Courses = 13</b>	<b>564</b>

<b>Early College Acad.</b>	<b><i>N</i></b>
English Lang & Comp	16
Calculus I	9
Physics C	1
<b>Total Courses = 3</b>	<b>26</b>