

**Wilson HS AP Enrollments, AP Scores, AP Scores Disaggregated by Ethnicity, Minority Participation Ranking in AP Biology (Woodrow Wilson SHS, DCPS, Wash., DC)**

Compiled by Erich Martel from annual College Board Summary Reports & WHS master schedules; 7/3/08

**I. Overview of Key Data Reports**

A. Dr. Arthur Siebens' AP Biology Students' National Exam Results, 1994 – 2007

**Over a 13 year period, 72% of his students earned scores of 3-5.**

Test Year	Nr Tested	Nr 3-5 Scores	% 3-5 Scores	Score 5	Score 4	Score 3	Score 2	Score 1
Totals	387	279	72%	112	80	87	84	28

(Annual Results, below, Section II\_

(13 Year Totals, 1995–2007; Source: College Board Annual School Score Reports)

**B. On the 2007 AP Biology Exam, 41 of the 43 DCPS (95.3%) students with scores of 3 – 5 were students of Dr. Siebens (See VI, below).**

**C. Rankings of Minority in Enrollments in Dr. Siebens AP Biology course, 3 years:**

The number of minority students enrolled in Dr. Siebens' AP Biology course fall roughly in the center of the Wilson HS AP courses, when ranked by minority student enrollment.

**In 2007-08, 30.8% of his AP Biology students were minority**

School Year	Nr AP Bio minority students	Total/% WHS out of AP Biology Enrollments	Ranking for a of
2005-06	8	33 (24.2%)	14 <sup>th</sup> place out of 21 AP courses
2006-07	12	56 (21.4%)	12 <sup>th</sup> place out of 22 AP courses
2007-08	16	52 (30.8%)	8 <sup>th</sup> place out of 24 AP courses

**4. Performance Results of Minority Students in Dr. Siebens' AP Biology course, 3 years**

Test Year	Nr of Minority Tested	Nr Min. w/ 3-5 Scores	% Min w/ 3-5 Scores	% of All WHS Minority Students with scores of 3-5
2004-05	15	9	60%	78 / 287 = 27.2%
2005-06	9	4	44%	103 / 327 = 31.5%
2006-07	12	6	50%	95 / 407 = 23.4%

## II. Dr. Arthur Siebens' AP Biology Students' National Exam Results, 1994 – 2007

Test Year	Nr Tested	Nr 3-5	% 3-5	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
1994	17	6	35%	1	3	2	5	6
Siebens:	9	6	67%	1	3	2	?	?
(other tchr)	8	0	0%	0	0	0	?	?
- - - - -								
1995	17	9	52%	6	1	2	5	3
1996	20	11	55%	6	1	4	7	2
1997	15	10	67%	4	3	3	4	1
1998	25	19	76%	8	5	6	4	2
1999	22	16	73%	5	6	5	4	2
2000	38	29	76%	15	7	7	6	3
2001	29	24	83%	7	5	12	4	1
2002	29	20	69%	6	8	6	4	5
2003	34	26	76%	15	5	6	8	0
2004	27	16	59%	7	6	3	7	4
2005	51	36	71%	6	16	14	13	2
2006	30	22	73%	10	3	9	7	1
2007	54	41	76%	<u>17</u>	<u>14</u>	<u>10</u>	<u>11</u>	<u>2</u>
Totals	387	279	72%	112	80	87	84	28
(Totals are for 1995 – 2007)								

**III. AP ENROLLMENTS, TEST RESULTS & RATIOS FROM 4 YEARS: SY04-05, SY05-06, SY06-07, SY07-08**

A	B	C	D	E	F	G	H	I	J
<b>2006-07</b>	WHS:	# of	% of AP	# of	3-5 Scores	3-5 Scores	# of	# with	% with
Student	# AP	AP	Seats	3 - 5	as % of AP	as % of AP	Test	at least 1	at least 1
<u>Ethnicity</u>	<u>Seats</u>	<u>Tests</u>	<u>Tested</u>	<u>Scores</u>	<u>Seats</u>	<u>Tests</u>	<u>Takers</u>	<u>3-5 Score</u>	<u>3-5 score</u>
Total	1050	982	94%	437	41.6%	44.5%	411	203	49.4%
- Asian	- 104	- 83	- 80%	- 29	- 27.9%	- 34.9%	- 36	- 16	44.4%
- AfAm	- 281	- 221	- 79%	- 35	- 12.5%	- 15.8%	- 115	- 22	19.1%
- Hisp	- 99	103	- 1.05%	- 31	- 31.3%	- 30.1%	- 52	- 18	34.6%
- Wh	- 566	466	- 82%	- 278	- 49.1%	- 59.7%	- 170	- 120	70.6%
- Other*	- *	64	- *	- 36	- *	- 56.3%*	- 23*	- 15*	65.2%
- Unknown*	- *	45	- *	- 28	- *	- 62.2%*	- 15*	- 12*	80.0%

\* = The ethnic breakdown of AP Seats (or section enrollment totals for each course) is based on the data reported in the Wilson H.S. Master Schedule, dated 5/7/07. When students enroll for the AP exams, they have the choice of selecting "Other Ethnic Group" or "No Ethnic Group," classifications not reported on the Master Schedule. Thus, the Wilson H.S. ethnic data and College Board ethnic data are slightly out of alignment.

A	B	C	D	E	F	G	H	I	J
<b>2005-06</b>	WHS:	# of	% of AP	# of	3-5 Scores	3-5 Scores	# of	# with	% with
Student	# AP	AP	Seats	3 - 5	as % of AP	as % of AP	Test	at least 1	at least 1
<u>Ethnicity</u>	<u>Seats</u>	<u>Tests</u>	<u>Tested</u>	<u>Scores</u>	<u>Seats</u>	<u>Tests</u>	<u>Takers</u>	<u>3-5 Score</u>	<u>3-5 score</u>
Total	1071	724	67.6%	356	33.2%	49.2%	352	186	52.8%
- Asian	- 105	81	77.1%	- 40	- 38.1%	- 49.4%	- 34	- 16	47.1%
- AfAm	- 318	175	55.0%	- 31	- 9.7%	- 17.7%	- 108	- 22	20.4%
- Hisp	- 91	71	78.0%	- 32	- 35.2%	- 45.1%	- 44	- 27	61.4%
- Wh	- 557	290	52.1%	- 207	- 37.2%	- 71.4%	- 120	- 95	79.2%
- Other*	- *	68*	*	- 31	*	- 45.6%	- 29*	- 17	58.6%
- Unknown*	- *	37*	*	- 13	*	- 35.1	- 16*	- 8	50.0%

(Class enrollments: master schedule, dated 2/6/06)

2004-05 not yet complete:

A	B	C	D	E	F	G	H		
<b>2004-05</b>	WHS:	# of Tests/	# of	3-5 Scores	3-5 Scores	# of	# with	% with	
Student	# AP	% of	3 - 5	as % of AP	as % of AP	Test	at least 1	at least 1	
<u>Ethnicity</u>	<u>Seats</u>	<u>AP Seats</u>	<u>Scores</u>	<u>Seats</u>	<u>Tests</u>	<u>Takers</u>	<u>3-5 Score</u>	<u>3-5 score</u>	
Total	995	679	68.2%	396	39.8%	58.3%	330	182	55.2%
- Asian		81		- 32		- 39.5%	- 40	- 18	45.0%
- AfAm	-	137		- 18		- 13.1%	- 76	- 14	18.4%
- Hisp	-	69		- 28		- 40.6%	- 44	- 23	52.3%
- Wh	-	385		- 270		- 70.1%	- 131	- 104	79.4%
- Other*		64		- 32		- 50.0%	- 26*	- 15*	57.7%
- Unknown*	-	31		- 6		- 19.4%*	- 11*	- 8*	72.7%

#### IV. MINORITY ENROLLMENT IN ALL AP CLASSES: 3 YEARS (SY06, SY07, SY08)

Course Title	School Year 2005-2006 (Master Schedule: 2/6/06)					School Year 2006-2007 (Master Schedule: 5/8/07)					School Year 2007-2008 (Master Schedule: 5/20/08)				
	Tot	Min:	As	AA	His	Tot	Min	As	AA	His	Tot	Min	As	AA	His
Art History	7	4	2	0	2	8	2	0	1	1	9	4	0	3	1
Studio Art	6	3	1	1	1	5	2	0	1	1	10	5	0	2	3
3-D Design	-	-	-	-	-	-	-	-	-	-	1	0	0	0	0
English Literature	182	103	17	71	15	166	86	12	62	12	168	80	13	52	15
English Language	190	106	12	81	13	136	54	11	34	9	160	83	10	57	16
World History	33	19	10	4	5	32	13	7	5	1	30	10	2	7	1
US History	127	59	7	48	4	141	62	11	33	18	94	28	5	17	6
European History	-	-	-	-	-	-	-	-	-	-	20	7	3	4	0
Human Geography	32	9	1	3	5	46	15	3	12	9	59	28	9	12	7
US Gov't & Politics	118	52	8	32	12	161	85	14	56	15	157	80	13	46	21
Comparative Gov'ts	94	34	8	17	9	70	26	4	18	4	14	6	2	3	1
Economics: Micro	-	-	-	-	-	-	-	-	-	-	13	11	4	6	1
Economics: Macro	-	-	-	-	-	-	-	-	-	-	13	12	4	6	2
French Language	34	5	0	5	0	16	3	1	2	0	19	5	1	4	0
Latin	7	0	0	0	0	4	0	0	0	0	-	-	-	-	-
Spanish Literature	5	4	0	0	4	7	6	0	0	6	-	-	-	-	-
Spanish Language	20	15	1	3	11	23	14	0	3	11	21	13	0	1	12
Calculus AB	50	25	10	13	2	54	33	12	18	3	69	31	15	11	5
Calculus BC	14	5	3	2	0	40	15	10	2	3	18	8	5	3	0
Statistics	51	24	11	9	4	28	17	5	12	0	43	21	7	10	4
Environmental Sci	20	10	1	8	1	9	7	0	6	1	12	8	3	4	1
<b>Biology</b>	<b>33</b>	<b>8</b>	<b>2</b>	<b>5</b>	<b>1</b>	<b>56</b>	<b>12</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>52</b>	<b>16</b>	<b>2</b>	<b>11</b>	<b>3</b>
Chemistry	-	-	-	-	-	15	6	4	1	1	15	6	0	6	0
Physics	25	14	6	7	1	18	11	5	6	0	8	3	1	2	0
Physics C	13	10	4	5	1	13	4	3	1	0	15	5	2	2	1
Computer Sci	10	5	1	4	0	16	6	0	4	2	3	3	2	0	1

**V. Dr. Siebens, AP Biology: Minority Student Enrollment Rankings (1<sup>st</sup> means most minority students) from above data**

**A. Three Years: AP Biology's Minority Enrollment Rank**

Category	SY05-06 Out of 21AP Courses		SY06-07 Out of 22 AP Courses		SY07-08 Out of 24 AP Courses	
	# seats	Rank	# seats	Rank	# seats	Rank
- All Minority	8	14 <sup>th</sup>	12	12 <sup>th</sup>	16	8 <sup>th</sup>
- Asian	2	12 <sup>th</sup> w/ 1 tie	2	8 <sup>th</sup> w/ 2 ties	2	13 <sup>th</sup> w/ 4 ties
- AfrAm	5	9 <sup>th</sup> w/ 2 ties	6	7 <sup>th</sup> w/1 tie	11	7 <sup>th</sup> w/ 1 tie
- Hisp	1	13 <sup>th</sup> w/ 4 ties	4	8 <sup>th</sup> w/ 1 tie	3	9 <sup>th</sup> w/ 1 tie

**B. Three Years: AP Biology Scores, Disaggregated by Ethnicity (2007-08 not yet available)**

**2007-08**

Student	# Biol	#	%	# 3-5	% 3-5/	% 3-5/	# of Students Per Score				
<u>Ethnicity</u>	<u>Seats</u>	<u>Tests</u>	<u>Tested</u>	<u>Scores</u>	<u># Seats</u>	<u># Tested</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
All Stdts	52										
<b>All Minority</b>	<b>16</b>										
- Asian	2										
- AfAm	11										
- Hisp	3										
Wh	36										

**2006-07**

Student	# Biol	#	%	# 3-5	% 3-5/	% 3-5/	# of Students Per Score				
<u>Ethnicity</u>	<u>Seats</u>	<u>Tests</u>	<u>Tested</u>	<u>Scores</u>	<u># Seats</u>	<u># Tested</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
All Stdts	56	54	96.4%	41	73.2%	75.9%	17	14	10	11	2
<b>All Minority</b>	<b>12</b>	<b>12</b>	<b>100%</b>	<b>6</b>	<b>50.0%</b>	<b>50.0%</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>1</b>
- Asian	3	3	100%	2	66.7%	66.7%	0	0	2	0	1
- AfAm	6	6	100%	2	33.3%	33.3%	0	1	1	4	0
- Hisp	3	3	100%	2	66.7%	66.7%	0	1	1	1	0
Wh	44	42	95.5%	35	79.5%	83.3%	17	12	6	6	1

**2005-06**

Student	# Biol	#	%	# 3-5	% 3-5/	% 3-5/	# of Students Per Score				
<u>Ethnicity</u>	<u>Seats</u>	<u>Tests</u>	<u>Tested</u>	<u>Scores</u>	<u># Seats</u>	<u># Tested</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
All Stdts	33	30	90.9%	22	66.7%	73.3%	10	3	9	7	1
<b>All Minority</b>	<b>8</b>	<b>9</b>	<b>100%+</b>	<b>4</b>	<b>50%</b>	<b>44.4%</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>0</b>
- Asian	2	2	100%	0	0%	0%	0	0	0	2	0
- AfAm	5	6	100%+	4	80%	66.7%	1	1	2	2	0
- Hisp	1	1	100%	0	0%	0%	0	0	0	1	0
Wh	25	21	84%	18	72%	85.7%	9	2	7	2	1

**2004-05**

Student	# Biol	#	%	# 3-5	% 3-5/	% 3-5/	# of Students Per Score				
<u>Ethnicity</u>	<u>Seats</u>	<u>Tests</u>	<u>Tested</u>	<u>Scores</u>	<u># Seats</u>	<u># Tested</u>	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
All Stdts	52	51	98.1%	36	69.2%	70.6%	6	16	14	13	2
<b>All Minority</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>9</b>	<b>-</b>	<b>60%</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>2</b>
- Asian	-	11	-	6	-	54.5%	1	1	4	4	1
- AfAm	-	3	-	2	-	66.7%	0	1	1	0	1
- Hisp	-	1	-	1	-	100%	0	1	0	0	0
Wh	-	36	-	27	-	75%	5	13	9	9	0

**VI. DCPS: 2007 AP BIOLOGY TEST RESULTS: DR. SIEBENS COMPARED TO DCPS**

<u>School Entity</u>	Totals by school: nr & % of All Scores	Totals by school nr & % 3 - 5 Scores	Nr & % 3-5 Scores Divided by Each School's Scores	<u>5</u>	<u>4</u>	<u>3</u>	<u>2</u>	<u>1</u>
DCPS	127 (100%)	43 (100 %)	43/127 (33.9%)	17	15	11	17	67
Wilson HS (Siebens)	53 (41.7%)	41 (95.3%)	41/53 (77.4%)	17 (100%)	14 (93.3%)	10 (90.9%)	11 (64.7%)	2 (3.0%)
All Other DCPS HS	74 (58.3%)	2 (4.7%)	2/ 74 (2.7%)	0	1	1	6	65

Significance: Dr. Siebens taught all but 2 of the 43 DCPS students who earned a 3 or higher on the 2007 AP Biology exam and 65% of the students who earned a 2 (learned a substantial amount, but not enough for college advanced placement standing). College Board