

ORANGE COUNTY
BOARD OF EDUCATION

AGENDA ITEM ABSTRACT

Meeting Date: September 19, 2011

AGENDA ITEM No. 11-09-(2)-12

ACTION ITEM: (Y/N) N

SUBJECT: Advanced Placement/International Baccalaureate Annual Student
Performance Report

INFO. CONTACT: Dr. Denise Morton/Steven Weber/Dr. Mary Calhoun PHONE: (919) 732-8126
Crystal Medlin

- ATTACHMENTS:
1. Five year Comparison of AP Enrollment and Student Performance
 2. AP Course Listing/Enrollment
 3. Five Year Comparison of IB Subject Results
 4. IB Testing Statistics 2006-2011
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PURPOSE: To provide the Board of Education a report on the annual performance of students sitting for the Advanced Placement (AP) and International Baccalaureate (IB) final exams.

BACKGROUND: Both high schools offer students multiple opportunities to enroll in a variety of advanced AP and IB courses. Weighted credit of two additional quality points is awarded with successful completion of AP/IB coursework. Both AP and IB courses have a final exam which, depending upon the student's performance, can provide the student with college credit. AP courses are offered on each high school campus. IB is a district program housed at Cedar Ridge High School and available to both Orange High School and Cedar Ridge High School students.

FINANCIAL IMPACT: Students are required to pay \$87 per AP exam. Funding to offset the costs of AP exams is made available to all eligible students at each high school.

The IB program is supported with local funds in the amount of \$32,610.00.

RECOMMENDATION: The Superintendent recommends that the Board of Education receive for information purposes the annual AP/IB student performance report.

Orange County Schools

AP Enrollment and Student Performance: Five Year Comparison

Number of Students Enrolled in AP Courses:

Year	CRHS	OHS	District Total
2006-07	350	312	662
2007-08	479	382	861
2008-09	316	338	654
2009-10	136	403	539
2010-11	299	434	733

Number of Students Taking AP Exam:

Year	CRHS	OHS	District Total
2006-07	N/A	N/A	N/A
2007-08	270	111	381
2008-09	125	101	226
2009-10	84	104	188
2010-11	92	103	195

Number of AP Exams Administered:

Year	CRHS	OHS	District Total
2006-07	250	229	479
2007-08	287	212	499
2008-09	213	192	405
2009-10	155	211	366
2010-11	158	193	351

Number of AP Exam(s) With a Score of 3 or Higher

Year	CRHS	OHS	District Total
2006-07	136	140	276
2007-08	214	62	276
2008-09	126	104	240
2009-10	101	129	230
2010-11	114	116	230

**Orange County Schools
2010-2011 AP Exam Results**

Cedar Ridge	Enrollment	# Tested	# 3,4,5's	% 3,4,5's	# 4,5's	% 4, 5's
Biology	0	1	1	100.0%	0	0.0%
Calculus AB	33	15	12	80.0%	6	40.0%
Calculus BC	13	9	9	100.0%	8	88.9%
Comp Sci AB	1	1	0	0.0%	0	0.0%
English Lang	57	43	30	69.8%	12	27.9%
English Lit	38	20	16	80.0%	7	35.0%
Env Science	4	3	3	100.0%	3	100.0%
European History	23	11	11	100.0%	6	54.5%
Latin	8	3	3	100.0%	2	66.7%
Music Theory	1	1	0	0.0%	0	0.0%
Physics C - Mech	0	1	1	100.0%	0	0.0%
Psychology	32	17	8	47.1%	3	17.6%
Spanish Lang	4	3	2	66.7%	1	33.3%
Statistics	27	9	5	55.6%	3	33.3%
US History	51	21	13	61.9%	4	19.0%
TOTAL	292	158	114	72.2%	55	34.8%
Orange High	Enrollment	# Tested	# 3,4,5's	% 3,4,5's	# 4,5's	% 4,5's
Calculus AB	31	14	3	21.4%	2	14.3%
Calculus BC	22	13	3	23.1%	0	0.0%
Chemistry	19	12	5	41.7%	3	25.0%
English Lang	92	52	34	65.4%	13	25.0%
English Lit	55	22	18	81.8%	8	36.4%
Env Science	77	30	14	46.7%	10	33.3%
European Hist	25	13	11	84.6%	6	46.2%
Physics B	11	3	2	66.7%	2	66.7%
Psychology	1	1	1	100.0%	1	100.0%
Spanish Lang	6	4	0	0.0%	0	0.0%
Statistics	54	11	4	36.4%	1	9.1%
Studio Art/Draw	9	1	1	100.0%	0	0.0%
US History	30	17	10	58.8%	9	52.9%
TOTAL	432	193	106	54.9%	55	28.5%

District	Enrollment	# Tested	# 3,4,5's	% 3,4,5's	# 4,5's	% 4,5's
Biology	0	1	1	100.0%	0	0.0%
Calculus AB	64	29	15	51.7%	8	27.6%
Calculus BC	35	22	12	54.5%	8	36.4%
Chemistry	19	12	5	41.7%	3	25.0%
Comp Sci AB	1	1	0	0.0%	0	0.0%
English Lang	149	95	64	67.4%	25	26.3%
English Lit	93	42	34	81.0%	15	35.7%
Env Science	81	33	17	51.5%	13	39.4%
European Hist	48	24	22	91.7%	12	50.0%
Latin	8	3	3	100.0%	2	66.7%
Music Theory	1	1	0	0.0%	0	0.0%
Physics B	11	3	2	66.7%	2	66.7%
Physic C Mech	0	1	1	100.0%	0	0.0%
Psychology	33	18	9	50.0%	4	22.2%
Spanish Lang	10	7	2	28.6%	1	14.3%
Statistics	81	20	9	45.0%	4	20.0%
Studio Art/Draw	9	1	1	100.0%	0	0.0%
US History	81	38	23	60.5%	13	34.2%
TOTAL	724	351	220	62.7%	110	31.3%

Orange County International Baccalaureate Subject Results

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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ENGLISH A1 HL

2006	44	4.28	4.80	6	3
2007	28	4.86	4.79	6	4
2008	14	4.50	4.77	5	3
2009	21	4.48	4.70	5	3
2010	44	5.02	4.72	7	4
2011	38	4.58	4.74	6	3

FRENCH B HL

2006	1	3.00	5.27	3	3
2007	2	4.00	5.31	5	3
2008	1	6.00	5.37	6	6
2009	1	3.00	5.22	3	3
2010	2	5.00	4.95	7	3
2011	Did not test				

FRENCH B SL

2006	5	2.60	5.02	3	2
2007	4	4.00	4.86	5	3
2008	1	3.00	4.79	3	3
2009	1	3.00	4.72	3	3
2010	2	2.50	4.70	3	2
2011	8	4.13	4.67	5	2

Orange County International Baccalaureate Subject Results

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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LATIN SL

2006	8	2.38	4.02	5	1
2007	8	3.63	3.78	5	2
2008	N/A	N/A	N/A	N/A	N/A
2009	3	6.00	4.13	7	5
2010	2	6.00	4.32	6	6
2011	5	5.20	4.49	7	4

LATIN HL

2006	Not offered				
2007	Not offered				
2008	Not offered				
2009	Not offered				
2010	1	7.00	5.04	7	7
2011	5	5.20	5.55	6	4

SPANISH B HL

2006	2	4.00	5.60	4	4
2007	1	6.00	5.39	6	6
2008	4	5.50	5.40	6	5
2009	9	5.52	5.46	7	4
2010	6	5.67	5.61	6	5
2011	6	5.33	5.59	7	4

SPANISH B SL

2006	9	3.67	4.78	5	2
2007	23	4.83	4.87	7	3
2008	3	5.00	4.96	6	4
2009	7	4.71	4.69	6	4
2010	23	4.65	4.80	6	2
2011	20	4.70	4.92	6	3

Orange County International Baccalaureate Subject Results

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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HISTORY HL

2006	44	3.68	4.53	6	2
2007	28	4.75	4.49	6	3
2008	15	4.40	4.47	6	3
2009	21	3.71	4.37	5	3
2010	44	4.00	4.18	5	2
2011	38	4.03	4.11	5	2

PSYCHOLOGY HL

2006	22	3.85	4.59	6	2
2007	22	4.45	4.51	6	3
2008	9	5.00	4.61	7	4
2009	21	4.90	4.65	7	3
2010	27	4.70	4.69	6	4
2011	26	3.64	4.50	5	2

Orange County International Baccalaureate Subject Results

IB Subject Offered/Year	Number of Candidates	IBHS Average grade	World Average grade	Highest grade	Lowest grade
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CHEMISTRY SL

2006	3	2.33	4.16	3	2
2007	40	3.43	3.92	5	2
2008	14	3.07	4.03	4	2
2009	18	3.76	4.01	6	2
2010	Did not test				
2011	13	3.92	4.08	5	3

ENVIR. SYST. SL

2006	49	4.08	4.42	7	2
2007	N/A	N/A	N/A	N/A	N/A
2008	16	3.05	4.14	5	2
2009	10	3.90	4.10	5	3
2010	Did not test				
2011	25	3.80	4.15	5	1

PHYSICS SL

2009	8	4.13	4.09	6	2
2010	No longer offered				

Orange County International Baccalaureate Subject Results

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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MATHEMATICS SL

2006	28	3.37	4.82	6	2
2007	25	3.75	4.60	6	2
2008	14	4.29	4.53	7	2
2009	19	4.11	4.45	6	2
2010	44	3.73	4.48	7	2
2011	Did not test				

MATH STUDIES SL

2006	20	3.11	4.52	5	2
2007	N/A	N/A	N/A	N/A	N/A
2008	N/A	N/A	N/A	N/A	N/A
2009	1	4.00	4.61	4	4
2010	26	4.38	4.75	6	2
2011	Did not test				

Orange County International Baccalaureate Subject Results

IB Subject Offered / Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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THEATRE ARTS HL

2006	2	3.00	4.56	3	3
2007	1	3.00	4.35	3	3
2008	1	4.00	4.30	4	4
2009	No longer offered				

MUSIC HL

2006	6	4.17	4.80	5	3
2007	N/A	N/A	N/A	N/A	N/A
2008	5	4.20	4.46	5	3
2009	N/A	N/A	N/A	N/A	N/A
2010	1	6.00	4.53	6	6
2011	Did not test				

MUSIC SL COMP

2007	1	5.00	4.37	5	5
2008	Did not test				
2009	Did not test				
2010	1	5.00	4.37	5	5
2011	Did not test				

MUSIC SL PERF

2007	1	4.00	4.44	4	4
2008	Did not test				

VISUAL ARTS HL

2006	12	3.00	4.58	4	2
2007	4	5.00	4.68	6	4
2008	3	5.00	4.58	6	4
2009	3	5.00	4.87	6	4
2010	2	5.00	4.93	5	5
2011	12	3.42	4.92	5	2

Orange County International Baccalaureate Subject Results

Orange County IB Testing Statistics Comparison 2006-2011						
	2011	2010	2009	2008	2007	2006
Number of total candidates registered in the session	50	83	62	47	47	57
Number of diploma candidates registered	38	31	20	14	28	40
Number of candidates who passed the diploma	23 (60%)	24 (78%)	17 (85%)	11 (78%)	21 (75%)	9 (24 %)
Average points obtained by candidates who passed the diploma	29	30	27	29	29	28
Highest diploma points awarded to a candidate	34	38	33	35	35	35
Average grade obtained by diploma recipients	4.60	4.95	4.54	4.82	4.62	4.64
Number of students within two points of diploma status	3	1	2	0	6	10
Lowest individual score total	15	18	19	17	17	12

A student is eligible for an IB diploma if he/she:

1. Completed assessments in six areas. In each area, the student receives a composite score between 1-7 in each area.
2. Had a cumulative score of 24 or higher in each assessment group. A student could score a 4 in each of the six areas and obtain the diploma. *
3. Completed work in at least three Higher Level courses (240 seat hours) and totaled at least a total of 12 points or higher in the combined three assessments.
4. Completed 50 hours of Creativity, 50 hours of Action and 50 hours of Service time. (Total of 150 equally divided CAS hours is required)
5. Submitted an acceptable Theory of Knowledge essay and completed all course work in the holistic seminar course.
6. Submitted an acceptable Extended Essay (4,000 word research paper)

* A student can obtain up to three bonus points for exceptional quality in Theory or Knowledge and/or the Extended Essay.