

**ORANGE COUNTY
BOARD OF EDUCATION**

AGENDA ITEM ABSTRACT

Meeting Date: October 14, 2013

AGENDA ITEM No. 13-10-12

ACTION ITEM: (Y/N) N

SUBJECT: Advanced Placement (AP)/International Baccalaureate (IB) Annual Student

Performance Report

INFO. CONTACT: Dr. Denise Morton/Claire Porter/Crystal Medlin **PHONE: (919) 732-8126**

ATTACHMENTS:

1. AP Enrollment and Student Performance: 2008-2013
2. Raising Achievement Closing the Gap (RACG) Goal 2 Report
3. IB Program Highlights for May 2013 Exams Power Point
4. International Baccalaureate Subject Results Eight Year Comparison

PURPOSE: To provide the Board of Education as an information item a report on the annual performance of students sitting for the AP and IB final exams and a review of enrollment figures for minority students in advanced coursework.

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.

RACG Goal 2 –The charge of the Goal 2 committee is to work to increase the number of our minority students enrolled in advanced coursework at the middle and high school level. The percentages reflect the percent of minority students at each school who are enrolled in one or more rigorous courses at the middle and high schools. Rigorous courses include IB courses, Honors courses, AP courses, middle school courses that carry high school credit, online North Carolina Virtual Public High School (NCVPS) courses and university and community college dual enrollment.

FINANCIAL IMPACT: Students are required to pay \$88 per AP exam. Funding to offset the costs of AP exams is made available to all eligible students at each high school through state funding. The IB program is supported with local funds in the amount of \$43,127.00.

The 2013 Legislative Summary indicates that beginning in the 2014-2015 school year, students enrolled in AP/IB courses are exempted from paying course exam fees and appropriates state funds will be allocated to Local Education Agencies (LEAs) to cover exam fees. G.S. 115C-12(9)c1.,-83.4A,-174.18.

RECOMMENDATION: The Superintendent recommends that the Board of Education accept as an information item the annual AP/IB student performance report and a report on the number of minority students enrolled in advanced coursework at both the middle and high school levels.

2012-2013
Orange County Schools
Advanced Placement (AP) Report

October 14, 2013

Total Number of AP Courses Taken Duplicated Count

Year	CRHS	OHS	District
2008-2009	316	338	654
2009-2010	274	411	685
2010-2011	299	434	733
2011-2012	340	440	780
2012-2013	419	455	874

Source: NC WISE reporting hub, 2008-2013.

Number of Students Taking AP Exams Unduplicated Count

Year	CRHS	OHS	District
2008-2009	126	101	227
2009-2010	80	104	188
2010-2011	92	103	195
2011-2012	95	97	192
2012-2013	108	105	213

Source: College Board five-year school score summary, 2013.

Number of AP Exams Administered

Year	CRHS	OHS	District
2008-2009	214	192	405
2009-2010	146	211	366
2010-2011	158	193	351
2011-2012	166	207	373
2012-2013	189	192	381

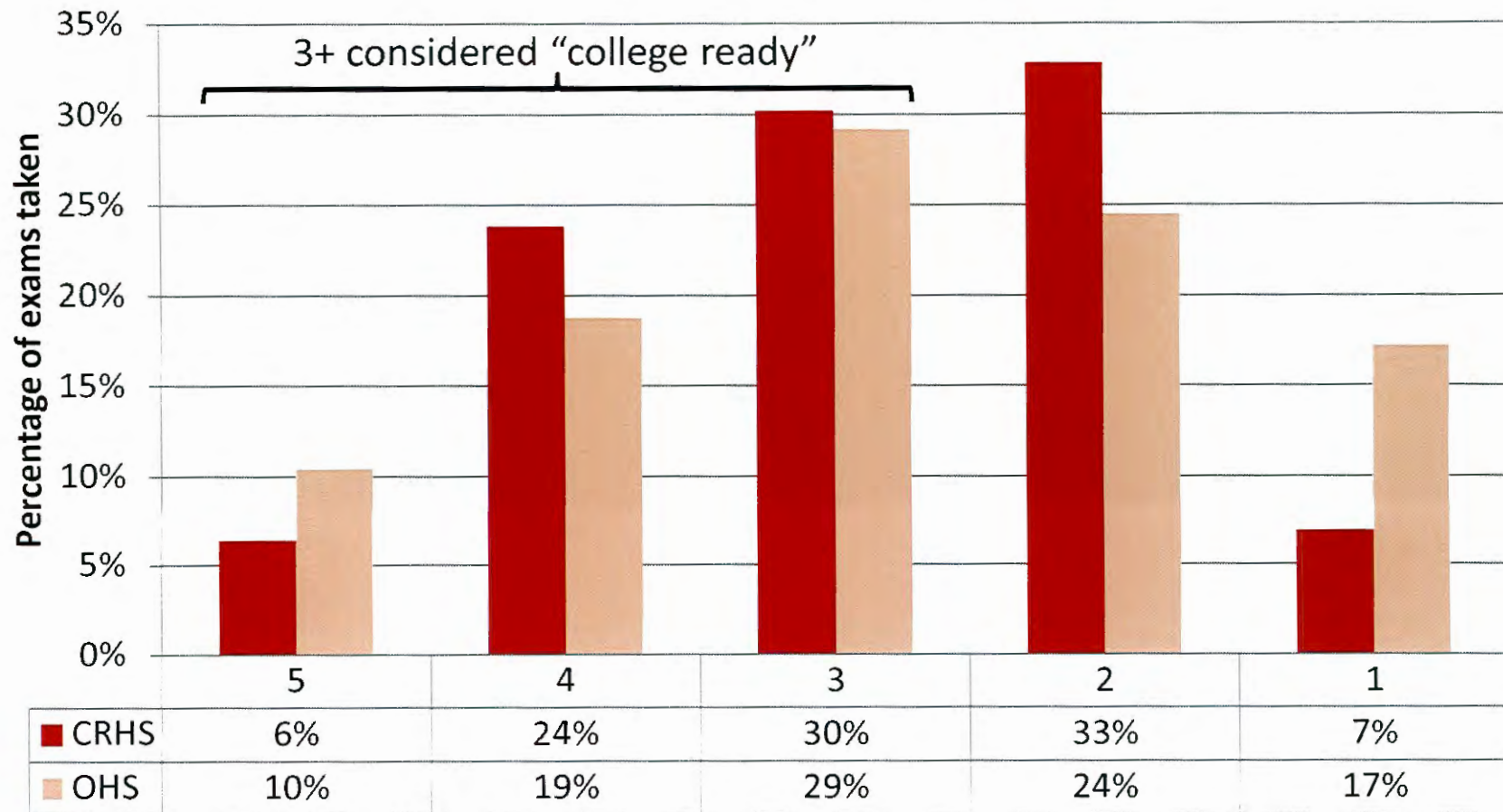
Source: College Board five-year school score summary, 2013.

Number of AP Students Receiving a Score of 3 or Higher

Year	CRHS	OHS	District
2008-2009	126	104	240
2009-2010	101	129	230
2010-2011	114	116	230
2011-2012	112	116	228
2012-2013	114	112	226

Source: College Board five-year school score summary, 2013.

AP Exam Score Distribution 2012-2013



Raising Achievement Closing the Gap

Goal 2

Percentage of Minority Students Taking Advanced Coursework

	Spring 2010	Spring 2011	Spring 2012	Spring 2013
ALS	5%	9%	17%	20%
CWS	6%	12%	12%	29%
GHMS	5%	22%	34%	36%
CRHS	41%	42%	51%	61%
OHS	29%	35%	41%	39%

Source: NC WISE reporting hub, 2008-2013.



International Baccalaureate Program Highlights for May 2013 Exams

IB Diploma Program Coordinator: Mrs. Crystal Medlin

2013 Exam Results & Highlights

- 58% of our subjects outperformed the world average
 - Latin SL (+0.72)
 - Spanish HL (+0.46)
 - History HL (+0.39)
 - Chemistry SL (+0.34)
 - Environmental Systems & Societies (+0.01)
 - Math Studies SL (+1.07)
 - Visual Arts HL (+0.17)

2013 Exam Results & Highlights

- 75% of candidates earned the full IB diploma
- Average number of points earned for the diploma was **2nd highest** in school history (31)
- Average score obtained by a diploma recipient was **highest** in school history (5.08)
 - **1.19 points higher** than world average

2013 Program Highlights

- Curriculum & Schedule changes to improve implementation of TOK, Languages
- Continued Recruitment for OCS
 - Parent Info Sessions, Parent Nights, Website
- IB World Student Conference 2013
- NCSSM Ethics & Leadership Conference
- WFU IB Open House (2nd visit)
- IB Exhibition Night (November)
- IB Parent Boosters Fundraising
 - Battle of Bands 2013 Fundraiser Record
 - Purchased classroom materials, events/trips for students
 - Hillsborough BBQ Fundraiser

Looking Ahead...

- Current & Projected Number of Diploma Candidates
 - Class of 2014 – 27
 - Class of 2015 – 40
 - Class of 2016 – 31...(and still counting)
 - Class of 2017 - 23...(and still counting)
- Transfer Candidates – 45%
 - 90% of transfer cohort are in-district
 - 10% of transfer cohort are out-of-district

Looking Ahead...

- Website - crhsib.pbworks.com
- 2 Teachers to be trained in 2013-14
 - Visual Arts
 - Extended Essay, Media Specialist
 - 1"Time Training
- Fundraising
 - IB World Student Conference 2014 (Australia, UK, or Canada)

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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
2012	29	5.26	4.81	6	3
2013	24	4.75	5.06	6	3

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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		
2012	1	5.00	5.11	5	5
2013	1	5.00	5.32	5	5

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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
2012	4	4.50	4.83	5	3
2013	6	3.17	4.89	4	3

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
LATIN SL					
2006	8	2.38	4.02	5	1
2007	8	3.63	3.78	5	2
2008			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
2012	Did not test (teacher on sabbatical)				
2013	6	5.33	4.61	6	4

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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
2012	Did not test (teacher on sabbatical)				
2013	Did not test (no HL candidates for this session)				

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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
2012	7	5.57	5.49	7	4
2013	5	6.00	5.54	7	5

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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
2012	13	4.85	4.81	6	3
2013	5	4.80	5.01	5	4

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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
2012	28	4.21	4.10	6	2
2013	24	4.50	4.11	6	3

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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
2012	24	4.73	4.57	6	4
2013	21	4.24	4.57	6	3

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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
2012	18	4.00	4.13	6	2
2013	11	4.44	4.10	7	2

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
ENVIR. SYST. SL					
2006	49	4.08	4.42	7	2
2007			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
2012	11	4.45	4.13	5	3
2013	13	4.23	4.22	6	3

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
PHYSICS SL					
2009	8	4.13	4.09	6	2
2010			No longer offered		

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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				
2012	15	5.29	4.46	6	3
2013	Did not test (all students in May 2013 tested in Math Studies SL)				

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
MATH STUDIES SL					
2006	20	3.11	4.52	5	2
2007	N/A				
2008	N/A				
2009	1	4.00	4.61	4	4
2010	26	4.38	4.75	6	2
2011	Did not test				
2012	13	5.62	4.66	7	4
2013	24	5.71	4.64	7	4

International Baccalaureate Subject Results Eight Year Comparison

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

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
MUSIC HL					
2006	6	4.17	4.80	5	3
2007	N/A				
2008	5	4.20	4.46	5	3
2009	N/A				
2010	1	6.00	4.53	6	6
2011	Did not test				
2012	3	5.00	4.55	6	3
2013	No longer offered				

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
MUSIC SL COMP					
2006			Not offered		
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		
2012			Did not test		
2013			No longer offered		

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
MUSIC SL PERF					
2006			Not offered		
2007	1	4.00	4.44	4	4
2008			Did not test		
2009			Did not test		
2010			Did not test		
2011			Did not test		
2012			Did not test		
2013			No longer offered		

International Baccalaureate Subject Results Eight Year Comparison

IB Subject Offered/Year	Number of Candidates	CRHS Average grade	World Average grade	Highest grade	Lowest grade
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	2	3.42	4.92	5	2
2012	2	4.00	4.80	5	3
2013	3	5.00	4.83	6	4

International Baccalaureate Subject Results Eight Year Comparison

Orange County IB Testing Statistics Comparison 2006-2012								
	2006	2007	2008	2009	2010	2011	2012	2013
Number of total candidates registered in the session (includes Jr. and Sr. testing)	57	47	47	62	83	50	36	29
Number of diploma candidates registered (Sr. only)	40	28	14	20	31	38	28	24
Number of candidates who passed the diploma	9 (24 %)	21 (75%)	11 (78%)	17 (85%)	24 (78%)	23 (60%)	22 (79%)	18 (75%)
World diploma pass rates	80.25%	78.78%	79.02%	78.71%	78.06%	77.99%	78.48%	78.54%
Average points obtained by candidates who passed the diploma	28	29	29	27	30	29	32	31
World average for points earned by diploma students	29.89	29.56	29.57	29.51	29.55	29.61	29.83	29.81
Highest diploma points awarded to a candidate	35	35	35	33	38	34	37	39
Average grade obtained by diploma recipients	4.64	4.62	4.82	4.54	4.95	4.60	5.04	5.08
Number of students within two points of diploma status	10	6	0	2	1	3	3	2
Lowest individual score total	12	17	17	19	18	15	9	17

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 (lowest score must be a D) and completed all course work in the holistic seminar course.
6. Submitted an acceptable Extended Essay (4,000 word research paper; lowest score must be a D)

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