

ORANGE COUNTY
BOARD OF EDUCATION

AGENDA ITEM ABSTRACT

Meeting Date: September 24, 2012

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

ACTION ITEM: (Y/N) N

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

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

- ATTACHMENTS:**
1. AP Enrollment and Student Performance: 2005-2012
 2. Orange County International Baccalaureate Subject Results
 3. OCS International Baccalaureate Program Highlights 2012-13
 4. RACG Goal 2 Report – Minority Students Enrolled in Advanced Coursework

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.

RACG Goal 2 – The district has focused on increasing the number of minority students enrolled in advanced coursework. District staff began tracking advanced coursework minority enrollment figures in 2009 to determine if strategies like SOCRATES, National Achievers Society, the use of EVASS data, and the Sankofa event have had any impact on the minority students' decisions to enroll in more rigorous courses at the middle and high schools.

The data shows that over the last three years the number of minority students enrolling in advanced coursework has dramatically increased.

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 \$43,127.00.

RECOMMENDATION: The Superintendent recommends that the Board of Education accept for information purposes 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.

Orange County Schools

AP Enrollment and Student Performance: 2005-2012

Number of Students Enrolled in AP Courses

Year	CRHS	OHS	District Total
2005-2006	173	175	348
2006-2007	350	312	662
2007-2008	479	382	861
2008-2009	316	338	654
2009-2010	136	403	539
2010-2011	299	434	733
2011-2012	170	440	610

Number of Students Taking AP Exam

Year	CRHS	OHS	District Total
2005-2006	N/A	N/A	N/A
2006-2007	N/A	N/A	N/A
2007-2008	270	111	381
2008-2009	125	101	226
2009-2010	84	104	188
2010-2011	92	103	195
2011-2012	100	97	197

Number of AP Exams Administered

Year	CRHS	OHS	District Total
2005-2006	134	129	263
2006-2007	250	229	479
2007-2008	287	212	499
2008-2009	213	192	405
2009-2010	155	211	366
2010-2011	158	193	351
2011-2012	166	207	373

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

Year	CRHS	OHS	District Total
2005-2006	66	63	129
2006-2007	136	140	276
2007-2008	214	62	276
2008-2009	126	104	240
2009-2010	101	129	230
2010-2011	114	116	230
2011-2012	112	116	228

Orange County International Baccalaureate Subject Results

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

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

Orange County International Baccalaureate Subject Results

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

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		

Orange County International Baccalaureate Subject Results

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		

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

Orange County International Baccalaureate Subject Results

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

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

Orange County International Baccalaureate Subject Results

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

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

Orange County International Baccalaureate Subject Results

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

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				

Orange County International Baccalaureate Subject Results

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

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

Orange County International Baccalaureate Subject Results

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

Orange County International Baccalaureate Subject Results

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		

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		

Orange County International Baccalaureate Subject Results

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

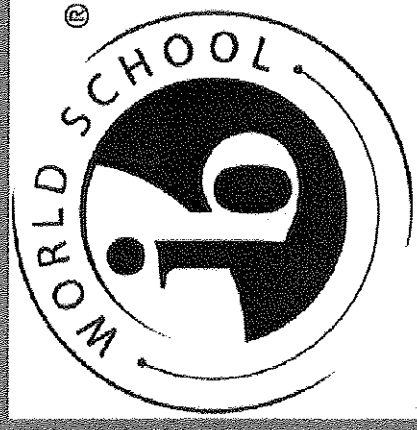
Orange County International Baccalaureate Subject Results

Orange County IB Testing Statistics Comparison 2006-2012							
	2006	2007	2008	2009	2010	2011	2012
Number of total candidates registered in the session <i>(includes Jr. and Sr. testing)</i>	57	47	47	62	83	50	36
Number of diploma candidates registered <i>(Sr. only)</i>	40	28	14	20	31	38	28
Number of candidates who passed the diploma	9 (24%)	21 (75%)	11 (78%)	17 (85%)	24 (78%)	23 (60%)	22 (79%)
World diploma pass rates	80.25%	78.78%	79.02%	78.71%	78.06%	77.75%	78.16%
Average points obtained by candidates who passed the diploma	28	29	29	27	30	29	32
World average for points earned by diploma students	29.89	29.56	29.57	29.51	29.55	29.61	29.83
Highest diploma points awarded to a candidate	35	35	35	33	38	34	37
Average grade obtained by diploma recipients	4.64	4.62	4.82	4.54	4.95	4.60	5.04
Number of students within two points of diploma status	10	6	0	2	1	3	3
Lowest individual score total	12	17	17	19	18	15	9

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.



OCS International Baccalaureate Program Highlights 2012-13

IB Diploma Program Coordinator: Mrs. Crystal Medlin
September 26, 2012

Exam Results & Highlights

- **69%** of our subjects outperformed the world average
 - English HL (+.45)
 - Spanish HL (+.08) & SL (+.04)
 - History HL (+.11)
 - Psychology HL (+.16)
 - Environmental Systems & Societies SL (+.32)
 - **Mathematics SL (+.83)**
 - **Math Studies SL (+.96)**
 - Music HL (+.45)

Exam Results & Highlights

- **79%** of candidates earned the full IB diploma
 - **2nd highest in school history**
 - Compare to the **78.16%** world average
- **Over 2 points higher** than the world average earned for the diploma
 - **OCS IB 32 points; WORLD 29.83 points**

Looking Ahead...

- Current & Projected Number of Diploma Candidates
 - Class of 2013 – 24
 - Class of 2014 – 33
 - Class of 2015 – 19
 - Class of 2016 - 32
- Transfer Students
 - 42% of cohort are in-district transfers
 - 4% of cohort are out-of-district transfers

Looking Ahead...

- **Website Redesign for 2013-14**
 - crhsib.pbworks.com
- **3 Teachers to be trained in 2013-14**
 - Mathematics
 - Renewal & New Curriculum Training
 - History
 - 1st Time Training
 - Extended Essay, Media Specialist
 - 1st Time Training
- **Exploratory Committee for Implementation of MYP & PYP in OCS**
- **IB Student World Conference 2013**

RACG Goal 2 Report

Beginning in 2009-2010, Orange County Schools started monitoring the number of students enrolled in advanced courses to establish baseline data. An advanced course includes honors, Advanced Placement (AP), International Baccalaureate (IB), dual enrollment, and NC School of Science and Math Online courses. This report highlights the efforts of teachers and administrators to increase the number of minority (all non-white) students enrolling in advanced courses. The data reflects an increase in minority student enrollment over the past three years.

Background

The data for this report was secured from the NCWISE Reporting Hub “Current Year Marks” report. Students had to have an official grade entered for a marking period to be counted as enrolled in an advanced course. Using this report, Orange County Schools has monitored the number of minority (non-white) students enrolling in advanced courses as part of the district’s Raising Achievement and Closing Gaps (RACG) Goal 2.

Middle School	Spring 2010 Minority Students in Advanced Courses (Unduplicated)	Spring 2011 Minority Students in Advanced Courses (Unduplicated)	Spring 2012 Minority Students in Advanced Courses (Unduplicated)
School year	09/10	10/11	11/12
AL Stanback	9	19	43
CW Stanford	9	19	21
Gravelly Hill	8	38	54
Totals	26	76	118

This chart reflects the number of middle school non-white students enrolled in advanced courses between 2010-2012.

Note: Spring 2010 Offered Algebra I, Spanish I, and French I for HS credit

Spring 2011 and 2012 offered Algebra I, English I, Spanish I, French I and Geometry for HS Credit

Middle School	Spring 2010 % of Minority Student Participation per Total School Avg. Daily Membership (Unduplicated Count)	Spring 2011 % of Minority Student Participation per Total School Avg. Daily Membership (Unduplicated Count)	Spring 2012 % of Minority Student Participation per Total School Avg. Daily Membership (Unduplicated Count)
School year	09/10	10/11	11/12
AL Stanback	1.51%	3%	7.14%
CW Stanford	1.57%	3%	3.34%
Gravelly Hill	1.63%	8%	11.23%
Totals	2.24%	4%	21.71%

This chart reflects the percentage of middle school non-white students enrolled in advanced courses between 2010-2012.

High School	2010 Spring Semester Only Minority Students in Advanced Courses (Unduplicated)	2011 Spring Semester Only Minority Students in Advanced Courses (Unduplicated)	2012 Spring Semester Only Minority Students in Advanced Courses (Unduplicated)
School year	09/10	10/11	11/12
Cedar Ridge	106	126	164
Orange High	121	139	160
Totals	227	263	324

This chart reflects the number of high school non-white students enrolled in advanced courses between 2010-2012.

Unduplicated count means each student was only counted once.

If one student took four advanced courses, he/she would only be counted once in the unduplicated count.

High School	2010 Spring Semester Only % of Minority Student Participation per Total School ADM (Unduplicated Count)	2011 Spring Semester Only % of Minority Student Participation per Total School ADM (Unduplicated Count)	2012 Spring Semester Only % of Minority Student Participation per Total School ADM (Unduplicated Count)
School year	09/10	10/11	11/12
Cedar Ridge	11.06%	13%	16.03%
Orange High	10.13%	12%	13.93%
Totals	10.55%	12%	15%

Unduplicated count means each student was only counted once.

The percentage reflects the number of non-white students enrolled in advanced courses.