

Key Biscayne High School
Education Task Force
Professional Forum
May 5, 2009

Agenda

Background of the KBHS Municipal Charter Initiative

Overview of the International Baccalaureate Diploma Programme

Key Biscayne High School Model Proposal

Discussion: questions to participants

Goal and objectives of forum

Goal: For invited professionals to provide input on the draft educational proposal of the KBHS

Objectives: For professionals to provide their views on,

- Educational issues such as differentiated instruction vs mandatory advance-level instruction
- Logistical issues such as daily schedule for students and teachers
- Enrichment Elective Methodology
- Other aspects of the KBHS educational model proposal

Key Biscayne High School Initiative Background information

Over the last years, the Village of Key Biscayne has experienced a significant shift towards a much younger population. Apartments and condominiums once occupied by transient retirees and empty-nesters are now occupied by families who live in Key Biscayne year round. Original "Mackle" homes of approximately 1,100 sq. ft. have been either remodeled and expanded, or completely replaced by 3,500-plus sq. ft. homes and are now occupied year-round by families with children.

Based on Census 2000, the University of Florida 2004 demographic report, and conservative projections, the number of children 19 years of age and under is estimated at 3,428, with at least 808 of them in high school age.

While public and private elementary and middle school education options within the Village are attended by approximately 86% of the relevant population, high school education must be pursued at off of the island public and private schools.

Coral Gables Senior High (CGSH) is the school assigned to Key Biscayne youth. CGHS is attended by 136 Key Biscayne students, or just 17% of relevant population. Commuting time, estimated at 1 ½ to 2 hours per school day, operation of school at 130% of capacity, perception of underperformance of the school, the large 3400+ student population and the disconnect from the community where children reside are cited among the main reasons why the majority of parents opt to not send their children to this school.

An additional 118 students, or 15% of the relevant population, attend some magnet and charter school throughout Miami-Dade County. An estimated 554 children, or 68% of relevant population, attend private high schools.

While an estimated 68% of elementary and middle school students attend public schools, only about 31% attend public high schools.

Key Biscayne High School Initiative

In the quest of providing a small community-based public secondary education option which is being advocated by educators throughout U.S. , parents and community members of Key Biscayne are evaluating the possibility of offering Key Biscayne youth the choice of attending a high-quality public high school within Key Biscayne.

Fielding Nair International and EdVisions Schools, consultants engaged by the Village of Key Biscayne, conducted educational workshops within the community and, based on feedback from the community, recommended the implementation of a hybrid educational model and curriculum based on a traditional college preparatory model and Project Based Learning.

To further evaluate alternatives and develop an educational model and curriculum, the Educational Task Force has been investigating and compiling information on diverse areas such as Advanced Placement, International Baccalaureate, Dual Enrollment, Virtual Schools, Project Based Learning and Personalized Learning and has developed a proposed educational model and curriculum incorporating the majority of the components explored.

School enrollment projection

Based on number of students attending public middle schools, and feedback from parents, the school is projected to initiate operations with an estimated 125 students in grades 9 and 10, building up to a capacity of 400 students in year 6 of operation.

Proposed KBHS Program Scope and Sequence Chart (IB)

Academic Domain	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Language Arts	English 1	English 2	English 3	English 4
	English 1 (H)	English 2 (H)	English 3 (H)	English 4 (H)
	English 1 (H)	English 2 (H)	IB English 3	IB English 4 SL or HL
Mathematics	Geometry	Algebra 2	Pre-calculus	Trigonometry or Calculus
	Geometry (H) (IB Math Studies SL Track)	Algebra 2 (H)	IB Math Studies 1 SL (Math/Analysis)	IB Math Studies 2 SL (Statistics)
	Geometry (H) (IB Math SL Track)	Algebra 2 (H)	AP Calculus AB	IB Calculus (Mathematics SL)
	Algebra 2 (H) (IB Math HL Track)	Pre-calculus (H) or AP Calculus AB	AP Calculus BC	IB Advanced Math HL (Mathematics HL)
Science	Earth Science	Biology	Chemistry	Physics
	Biology (H) (IB Biology SL Track)	Chemistry (H)	IB Biology 2 SL	IB Biology 3 SL
	Biology (H) (IB Chemistry SL Track)	Chemistry (H)	IB Chemistry 2 SL	IB Chemistry 3 SL
	Chemistry (H) (IB Science HL Tracks)	Physics (H)	AP Physics or IB Biology 2 HL or IB Chemistry 2 HL	IB Physics 3 HL or IB Biology 3 HL or IB Chemistry 3 HL
Social Science	World History	American History	American Government	Add an Enrichment Elective
	World History (H) AP World History	AP World History AP European History AP Human Geography	IB American History	IB Contemporary History (History of Americas HL)
Foreign Language Or Intensive Reading/Math	Spanish 1 – ab Initio Track	Spanish 2	IB Spanish 3 (NN)	IB Spanish 4 SL
	Spanish 2 - B Track	Spanish 3	IB Spanish 4 (N or NN)	IB Spanish 5 SL or HL
	Spanish 3 (H) A2 Track	Spanish 4 (H)	IB Spanish 5 (N)	IB Spanish 6 SL or HL
	French 2 - B Track	French 3	IB French 4 (N or NN)	IB French 5 SL or HL
	Intensive Reading Intensive Math FCAT Prep	Intensive Reading Intensive Math FCAT Prep	Add an Enrichment Elective	Add an Enrichment Elective
(1) Academy of Advanced Studies	2 nd Math, Science, Social Science or other Academy course elective	2 nd Math, Science, Social Science or other Academy course elective	IB Theory of Knowledge	IB Art History SL or IB School Based Syllabus course or other IB Academy course elective or core subj.
(2) Academy of Environmental Science	Biological Principles of Environmental Science	Introduction to Coastal & Ocean Environment or Introduction to Climate & Atmospheric Science	Principles of Environmental Health & Policy and Coastal Management	IB Ecosystems/Societies SL
(3) Academy of International Business and/or Technology	TBD	TBD	TBD	IB Bus. & Mgmt. SL or HL or IB Economics SL or HL
Enrichment Electives Select (2 to 4)	Virtual School Class Dual Enrollment Class Physical Education Sports & Training Science Studies Dance Theatre Music Art Integrated Project Intergenerational Programs	Virtual School Class Dual Enrollment Class Physical Education Sports & Training Science Studies Dance Theatre Music Art Integrated Project Community Svc. Learning Intergenerational Programs Capstone Project	Virtual School Class Dual Enrollment Class IB Extended Essay Physical Education Sports & Training Science Studies Dance Theatre Music Art Integrated Project Internship Mentoring Apprenticeship Community Svc. Learning Intergenerational Programs Capstone Project	Virtual School Class Dual Enrollment Class IB Extended Essay Physical Education Sports & Training Science Studies Dance Theatre Music Art Integrated Project Internship Mentoring Apprenticeship Community Svc. Learning Intergenerational Programs Capstone Project Exhibition

7:30 – 9:00 a.m. Period 1 & 2

9:00 – 9:30 a.m. Active Homeroom/Attendance

9:30 – 11:00 a.m. Period 3 & 4

Fine Arts Enrichment Electives – Extracurricular, Self Directed or Intergenerational

11:00 – 12:30 p.m. Period 5 & 6

12:30 – 1:00 p.m. Lunch

1:00 – 2:30 p.m. EE

Early Release at 12:30 p.m. by written agreement

CAS hours per year requirement

25 students per teacher advisor w/Personalized LP

5 hr. Teacher day + 1.5 hr. planning + 1 hr. hr/lunch

KBHS Graduation Requirements

SUBJECT AREA	IB Certificate College Preparatory 4-Year Program	IB Scholar College Preparatory 4-Year Program	IB Diploma College Preparatory 4-Year Program
ENGLISH/ESOL	4 credits (major concentration in composition & literature and reading for information)	4 credits (2 credits must be in an IB or AP course)	4 credits (2 credits must be in an IB or AP course)
MATHEMATICS	4 credits (Algebra I, Geometry, & 2 higher level math courses)	4 credits (2 credits must be in an IB or AP course)	4 credits (2 credits must be in an IB or AP course)
SCIENCE	4 credits (Earth/Space Science, Biology, Chemistry and Physics)	4 credits (2 credits must be in an IB or AP course)	4 credits (2 credits must be in an IB or AP course)
SOCIAL SCIENCE	3 credits (World History, American History, American Government, & Economics)	4 credits (2 credits must be in an IB or AP course)	4 credits (2 credits must be in an IB or AP course)
FOREIGN LANGUAGE	4 credits (2 credits must be in an IB course)	4 credits (2 credits must be in an IB course)	4 credits (2 credits must be in an IB course)
ELECTIVES – Other Core Subject Area or Academy Course	4 credits (Academy selected)	4 credits (2 credits must be in an IB or AP course and 1 credit must be the IB Theory of Knowledge course)	4 credits (2 credits must be in an IB or AP course and 1 credit must be the IB Theory of Knowledge course)
OTHER REQUIREMENTS	2 subjects (4 credits) must be in IB courses 75 hours - Creativity, Action, Service (CAS)	Extended Essay - Senior Year 75 hours - Creativity, Action, Service (CAS)	Extended Essay - Senior Year 150 hours - Creativity, Action, Service (CAS) Minimum of 24 of 45 points awarded by IBO
ENRICHMENT ELECTIVES	3 credits	4 credits	4 credits
PERFORMING/FINE ARTS/PRACTICAL ARTS/CAREER & TECHNICAL EDUCATION	1 credit in performing/fine arts	Not required	Not required
PHYSICAL EDUCATION/ PERSONAL FITNESS	1 credit (.5 must be completed by Personal Fitness)	Not required	Not required
TOTAL CREDIT REQUIREMENT	28 Credits	28 Credits	28 Credits
GRADE POINT AVERAGE(GPA) REQUIREMENT	2.0 on a 4.0 scale	<u>FAS</u> - 1270 SAT <u>FMS</u> - 970 SAT	2.0 on a 4.0 scale
MINIMUM GRADE TO EARN COURSE CREDIT	"D"	"D"	"D"
STATE ASSESSMENT REQUIREMENT	Passing score on Grade 10 FCAT	Passing score on Grade 10 FCAT	Passing score on Grade 10 FCAT