Baltimore County Public Schools

Date: October 11, 2011

To: Board of Education

From: Dr. Joe A. Hairston, Superintendent

Subject: Report on the Maryland Business Round Table (MBRT) Partnership

Originator: Joe A. Hairston, Superintendent

Resource Person(s): June Streckfus, Executive Director, MBRT

Information

That the Board of Education receives an update on partnership between MBRT and Baltimore County Public Schools (BCPS).

Attachment I – PowerPoint Presentation
Our history in Baltimore County

1999

1999

2007

Today

2011

80 speakers

394 speakers
Our history in Baltimore County

1999 2007 2011

2004

Maryland Scholars Speakers Bureau

100% of BCPS high schools

Give a day... change a mind.

Achievement Counts Speakers Bureau 2011-2012 TRAINING MANUAL
Maryland Scholars

STEM-focused Course of Study

4 Credits of English

3 Credits of Math
(Algebra I, Geometry, **Algebra II**)

3 Credits of Lab Science
(Biology, **Chemistry**, **Physics preferred**)

3 Credits of Social Studies
(U.S. History, World History, Government)

2 credits of same **Foreign Language**

Students must attain a 2.5 GPA to qualify.

*Yellow* = exceeds MD graduation requirements
Maryland Scholars

Impact

7,500 more college/career ready graduates in 2009 and 2010.
Actionable data

Are these 250 juniors on track for Maryland Scholars?

18 Currently qualify as Maryland Scholars
73 Need 1 lab or small bump in GPA
35 Need 2 or more courses
124 Cannot qualify

Maryland Business Roundtable for Education /// M B R T
Online campaign in Baltimore County

1999 → 2007 → 2011

Student outreach
Baltimore County

Go ahead
Try on a future. See what fits.
BeWhatIWantToBe.com
A web resource for Maryland middle and high school students

What's inside for teens:
What careers are out there for you?
What do you want out of life?
How can you prepare now?

Why visit:
Find tips on jobs, training, and earnings. Take surveys and earn points. Win prizes ranging from iPods to internships and scholarships.

Sign Up Today
for your FREE personal account at
www.BeWhatIWantToBe.com/baltimorecounty

BewhatIwantToBe.com

2,330 BCPS students

Setting career and college goals online
The Magazine: 8,650 copies delivered to BCPS students

Nathaniel  ENGINEER, Northrop Grumman

How did you get to where you are today? I think it’s important for young people in particular to learn to value others and themselves, without comparison. This understanding did not come from my academic experience but rather from my personal journey. When I was in high school, I was not particularly interested in math or science, but my parents were. I initially took physics classes, but after taking that course as a junior, I developed a strong interest in learning more about physical principles. However, I was not confident in my abilities and often felt like I was not good enough. I eventually decided to pursue engineering, but I realized that I needed to improve my grades. I worked hard and eventually succeeded, but it was a challenging process. When I graduated, I felt a sense of accomplishment and confidence in my abilities.

My Choices & Key Decisions I suspect there are a few times in life when one has an opportunity to make a life-defining decision, but this was not one of them. Instead, I made a series of decisions that led me from an average student in high school to a successful student at The Johns Hopkins University. I then transferred to the University of Maryland, where I continued to excel. My final decision was to pursue a career in engineering, and I eventually worked for one of the leading security companies, Northrop Grumman.

Maryland Business Roundtable for Education
Our history in Baltimore County

1999  2007  2011

2010

College Access
Middle school outreach
History of STEMnet: MBRT Role

August 2009
Governor charges leaders for all 7 areas

MBRT charged to lead STEMnet

MD Business Roundtable for Education

1. Align P12 CURRICULUM
2. Grow cadre of TEACHERS
3. TRAIN educators
4. EXPERIENCE the work world
5. Grow and keep COLLEGE GRADS
6. NURTURE Research & Entrepreneurs
7. Create STEM Innovation Network

powered by STEMnet

Investing in STEM to Secure Maryland’s Future

MD Business Roundtable for Education

MARYLAND State Department of Education

University System of Maryland

MICUA

MHEC

Maryland Governor's Workforce Investment Board
Practice a STEM career
History of STEMnet: Teacher Hub

2009 - 2010

2011

The first hub of STEMnet for teachers

MBRT conducts market research with educators
Teachers speak out
54 BCPS educators in MBRT survey
TEACHERS HUB

BIOLOGY SPECIALISTS IN THE CLASSROOM

powered by STEMnet
Biology content
areas of specific support

1. Molecules
2. Cells
3. Genetics
4. Evolution
5. Organism interdependence
6. Biological investigation
Scientific Practices
Areas of Specific Support

1. Hypotheses
2. Investigation
3. Data
4. Evidence
How it works for the **SPECIALIST**

1. Create your account
2. Select and complete training
3. EDUCATORS browse Specialists & invite them to sessions
4. Accept the invitation
   - Plan the session with the educator
   - Complete the session
   - Give feedback
How EDUCATORS find SPECIALISTS

STEMnet

Browse Practitioners

1. See everybody

Sort how you like

2. Get details + invite if you like

3.
Session Details - Mathematics in the Workforce
With a Long Title

Subject: Mathematics
Status: Accepted

Notes:
Aenean elementum, est vitae aliquet mattis, ori magna rhoncus quam, eget pretium nunc erat eget metus. Donec viverra mattis vestibulum. Nam euismod sollicitudin, ac mattis aenean elementum.

School Information:
Bowie High School
Aenean elementum, est vitae aliquet mattis, ori magna rhoncus quam, eget pretium nunc erat eget metus. Donec viverra mattis vestibulum. Nam euismod sollicitudin, ac mattis aenean elementum.

938 York Road
Baltimore, MD 21204
United States
See map: Google Maps
Fax: 4107388114
Website

Details
Preferred Date: Sept. 22 9:00 am
Alternate Dates:
- Sept. 23 8:00 am
- Sept. 30 1:00 pm

Practitioner: Paige Wong
Educator(s):
- Justin Franklin
- John Smith

Who is coming?

Want to change it?

Details of the session

Messages back-n-forth with specialists

Session History

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<th>Past Status</th>
<th>Current Status</th>
<th>Initiated by</th>
<th>Comments</th>
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<td>Bill Smith</td>
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Fall 2011
Biology
Proof-of-concept

Catonsville HS
Woodlawn HS
Eastern Technical HS

BIOLOGY SPECIALISTS IN THE CLASSROOM
Thank you.

Maryland Business Roundtable for Education

STEM Innovation  mbrt.org/stem
Biology Specialists  mbrt.org/bio
Maryland Scholars  mbrt.org/scholars
College Access  mbrt.org/collegeaccess
For parents  mbrt.org/parents
For students  BeWhatIwantToBe.com