

BROWARD COMMUNITY COLLEGE

We keep you thinking.

Office of the president

To: Members of the Board of Trustees

From: J. David Armstrong Jr., President

Date: January 29, 2008

Place: Regular Meeting of the Board of Trustees
Broward Community College
Room 425/426 - Building 17
A. Hugh Adams Central Campus
3501 S. W. Davie Road
Davie

Subject: Agenda Item VII - College Presentation - Central Campus

Brief Description: In this video presentation, Central Campus will highlight four examples of enhancement activities provided for BCC students to encourage academic excellence:

- 1) Student science research project;
- 2) Use of BCC Graves Museum Collection artifacts in science classes;
- 3) "Sumo" robot competition in the Introduction to Engineering class; and
- 4) BCC's Brain Bowl Team.

Benefit to BCC and the Relation to the College Master Plan and Priorities: These examples of student engagement with special projects in and out of the classroom demonstrate faculty and staff commitment to academic excellence and student success.

Recommend Approval

Board Agenda Approved: *Jaa*
Date: *1/18/08*

Agenda Item *VII*
Enclosure

**BOARD OF TRUSTEES AGENDA
TRANSMITTAL SHEET**

To: **J. David Armstrong, Jr., President**
From: **Lois Bolton, Central Campus Provost**
Subject: **Central Campus Presentation**

Issue: **College Presentation**

Background/Analysis:

In this video presentation, Central Campus will highlight four examples of enhancement activities provided for BCC students to encourage academic excellence.

Student Science Research Lab: During term 2008-1, general physics student, Guneshi de Mel, prepared an honors project involving the effects of air resistance on the acceleration of falling objects in the student science research lab. The project involved using a sonic ranging device controlled by a computer to take real-time data from falling objects. This data was subsequently analyzed and equations of air resistance were developed.

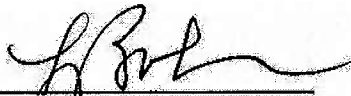
BCC Graves Museum Collection: Classified and cataloged fossil shell artifacts from the museum collection are currently being used in the oceanography and earth science classes and labs. Under the supervision of lab and lecture professors, students have the opportunity to study the special characteristics and geological era of these fossil shells.

Introduction to Engineering: One of the favorite projects in this course is the "sumo" robots. An important course objective is to expose students to the different areas of specialization in engineering and the commitment expected of engineering students at the university level. The robot project provides each team with the same Lego robotics kits. Each team designs, builds and programs its robot to compete against other robots. Students learn the importance of design, leverage, speed and creative computer programming.

Brain Bowl Competition: The purpose of Brain Bowl competition is to recognize outstanding student academic achievement and to help focus community interest on academic excellence in Florida community colleges. BCC has a very proud history in past competitions all the way up to the national level. This year in a field of thirty-six teams competing at Valencia Community College, BCC finished 6th.

Date: January 9, 2008

Fiscal Impact: N/A
Staff Position: N/A


LBolton
Central Campus Provost

THIS RECOMMENDED ACTION MEETS THE FOLLOWING ELEMENTS(S) OF THE COLLEGE'S MISSION STATEMENT:

- | | | |
|-----------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Providing high quality educational programs | — | <input checked="" type="checkbox"/> Providing high quality services |
| <input type="checkbox"/> Providing for affordability to a diverse community of learners | | <input checked="" type="checkbox"/> Providing accessibility to a diverse community of learners |
| <input checked="" type="checkbox"/> Commitment to student achievement | | <input type="checkbox"/> Commitment to lifelong learning |
| <input checked="" type="checkbox"/> Commitment to academic excellence | | <input checked="" type="checkbox"/> Providing use of current technology |

BRIEFLY DESCRIBE HOW THIS RECOMMENDATION ACHIEVES THE ABOVE ELEMENT(S) IN THE COLLEGE'S MISSION STATEMENT:

These examples of student engagement with special projects in and out of the classroom demonstrate faculty and staff commitment to academic excellence and student success.

Minority Firm: Yes ___ No ___ N/A X
revised 11/06

Broward Firm: Yes No N/A X