

## Science Reform and Teacher Education Workshop

Birmingham-Southern College  
26-28 October 2006

This fourth and final workshop will provide an opportunity for recent grant recipients to their new science courses for non-majors. The workshop will also aide the efforts of additional faculty to design, implement, and assess their courses, through the discussion of the importance of reform, pedagogy, assessment, dissemination, and the meaning of science literacy.

The next phase of the project that is being considered is to involve pre-service teachers and local schools or districts. In order to do this, we want to have a conversation between science and education faculty to determine how to be more effective in science education. This discussion will serve as a basis for an upcoming grant proposal.

Thursday, 26 October 2006

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| 6:30 P.M.   | Meet in hotel lobby to go to dinner  |
| 7:00 – 8:00 | Dinner - Executive Dining Room, 3 <sup>rd</sup> floor Norton Campus Center |
| 8:00 – 8:30 | Welcome - Leo Pezzementi, Kathy Murray (Provost)                           |

Friday, 27 October 2006

### Reform of K-16 Science Education

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| 8:00 A.M.         | Meet in hotel lobby for transportation to BSC   |
| 8:30 – 9:00       | Continental Breakfast – Great Hall, Norton Center   |
| 9:00 – 9:15       | Introductions, welcome, and overview - Leo Pezzementi, Great Hall, 3 <sup>rd</sup> floor Norton Campus Center |
| 9:15 – 9:45       | The Need for Reform of K-12 Education – Preston Miles (Centre College) Great Hall                             |
| 9:45 – 10:00      | Break   |
| 10:00 – 11:30     | Models of K-16 connections at ACS institutions-Great Hall   |
| 11:30 – 11:50     | Mellon Faculty Development Grant Proposal – Marcia White-Great Hall   |
| 12:00 – 1:30 P.M. | Lunch, Executive Dining Room  |
| 1:30 – 2:00       | The Greater Birmingham Mathematics Partnership (GBMP) – Ann Dominick, (GBMP, Hoover City Schools), Great Hall |
| 2:00 – 2:45       | The Assessment of K-16 Programs – Scott Snyder (Center for Educational Accountability, UAB) Great Hall        |

2:45 – 3:45	National models of K-16 connections and funding opportunities – Spencer Benson (Center for Teaching Excellence, U. Md.)-Great Hall
3:45 – 4:00	Break
4:00 – 4:15	The Need for Leadership – Leo Pezzementi-Great Hall
4:15 – 5:15	Wear Do We Go from Here? – Facilitator, Spencer Benson-Great Hall
5:15 – 5:30	Evaluation-Great Hall
5:45 – 6:30	Reception-Executive Dining Room
6:30 – 8:30	Dinner-Executive Dining Room

Saturday, 28 October 2006

### **The Reform of Introductory Science Courses for Non-science Majors in the ACS**

8:00 A.M.	Meet in hotel lobby for transportation to BSC
8:30 – 9:00	Continental Breakfast – Great Hall, Norton Center
9:00 – 9:15	Introductions, Welcome, and Overview – Leo Pezzementi, Great Hall, Norton Center
9:15 – 9:45	The Need for Reform of Science Courses for Non-science Majors – Glenn Kroeger (Trinity University)-Great Hall
9:45 – 10:45	The Importance of Pedagogy - Spencer Benson-Great Hall
10:45 – 11:00	Break
11:00 – 12:00	What is Science Literacy? – Facilitators, Spencer Benson, Jeanette Norden (Vanderbilt U.), Preston Miles-Great Hall
12:00 – 12:20	Mellon Faculty Development Grant Proposal – Marcia White-Great Hall
12:30 – 1:30 P.M.	Lunch, Executive Dining Room
1:30 – 2:15	The Importance of Assessment - Scott Snyder, Great Hall
2:15 – 2:45	The Importance of Dissemination - Jeanette Norden, Great Hall
3:00 – 5:00	Poster Session of courses funded in 2005-Third Floor Atrium Tours of E.B. Stephens Science Center; refreshments
5:00 – 5:30	Closing Session and Evaluation – Leo Pezzementi, Stephens Science Center, Room 138

- 5:30 – 6:00                      Recent Trends in the Design of Science Facilities – Gary McNay  
(Perkins and Will) Stephens Science Center-Room 138
- 6:15 – 7:00                      Reception-Executive Dining Room
- 7:00 – 9:00                      Dinner - Executive Dining Room, *Sponsored by Perkins and Will*

*This workshop is supported by the W.M. Keck Foundation of Los Angeles*

**Tentative Agenda  
Keck Science Reform Program Committee Annual Meeting  
Sunday, October 29, 2006  
Birmingham-Southern College**

Chair, Leo Pezzementi

7:30 A.M.	Meet in hotel lobby for transport to BSC	
8:00	Breakfast	
8:30 A.M.	Welcome, Introductions, Houskeeping	Leo Pezzementi
8:45	Science Education Workshop Discussion	Leo Pezzementi Jeannette Norden
9:00	Science Reform Workshop Discussion	Leo Pezzementi Jeannette Norden
9:15	Mini-grant Committee Report and Discussion	Tim Ward
9:30	Assessment Update and Needs for Final Program Meeting and Report: Part I	Jeannette Norden
10:00	Break	
10:15	Assessment Update and Needs for Final Program Meeting and Report: Part II	Jeannette Norden
11:00	Third Year Report and Review of Budget	Marcia White
11:15	Future Activities and Funding	Leo Pezzementi
	Next Program Meeting-February 10 weekend	
12:00	Adjourn and Box Lunch	