Modeling Instruction Science Workshops

What: BCS will host Modeling Science Workshops for:

- Modeling Instruction in Physics: Mechanics
- Modeling Instruction in Physical Science

Where: Briarwood Christian High School
       6255 Cahaba Valley Road, Birmingham, AL 35242

When: June 9-27, 2008
       Typical weekly schedule
       Monday – Thursday – 8:00 a.m. – 3:30 p.m. (Lunch provided)
       Friday – 8:00 a.m. – 12:00 p.m.
       Optional activities Friday evenings and each Saturday.
       Sunday (Worship).

Goals:

- Introduce the Modeling Instruction Method and equip science teachers to enhance and expand student interest in science and develop a practical, conceptual understanding of science.
- Prepare teachers to implement modeling instruction pedagogy and materials into their classroom in the Fall of 2008.
- Demonstrate Modeling Instruction as a very effective methodology for teaching science courses and for Pre-AP science classes.

Support: Ongoing Modeling Instruction support would be available for our Workshop participants from our teachers, resources on the Arizona State University Modeling Instruction Program website, and membership in the A.S.U. Modeling teachers Listservs. Teachers will not be alone after the Workshops!

General Information: Valuable information about the Modeling Instruction Program can be obtained from the Arizona State University Modeling website: http://modeling.asu.edu/

For 17 years, the Modeling Instruction Program has been helping teachers attain knowledge and skills needed to benefit their students. **Modeling Instruction is the only high school science program recognized as Exemplary by the U.S. Department of Education.**

Workshops Research Consultant
Faculty:  

**Miss Kimberly Carraway**  
Learning Specialist and Education Consultant  
B.S., Vanderbilt University  
Ed. M., Harvard University  
The Carraway Center for Learning, Nashville, TN

**Physics**

**Dr. Tim Burgess**  
Science Department Co-Chair  
McGill-Toolen Catholic High School, Mobile, AL  
Masters of Education in Secondary Science Education, University of South Alabama  
Doctor of Philosophy in Instructional Systems Design, University of South Alabama  
Presidental Award for Excellence in Science Teaching  
National Winner

**Mr. Victor Nichols**  
Science Department Coordinator/Physics Teacher  
Briarwood Christian School, Birmingham, AL  
B.S., Physics, Samford University  
M.A., Science Education, University of Alabama at Birmingham  
Highly Qualified Teacher – Physics  
National Board Certified Teacher – Physics  
E. Scott Barr Award recipient for Excellence in Physics Teaching (given through University of Alabama Physics Department)

**Physical Science**

**Mrs. Martina Norton**  
Physics, Physical Science Teacher  
Vestavia Hills High School, Vestavia Hills, AL  
Bachelor of Science, Biology Education with Physics and Chemistry Minors, Louisiana State University  
Master of Arts, Physics Education, University of Alabama at Birmingham  
Graduate Studies – Physics Modeling, Arizona State University  
Highly Qualified Teacher – Physics  
National Board Certified Teacher – Physics

**Mr. Dennis Glass**  
Physical Science, Chemistry Teacher  
Briarwood Christian School
Bachelor of Science in Natural Science, University of Alabama at Birmingham
M.Ed., Secondary Biology, UAB
Graduate Studies – Chemistry Modeling, ASU

Mr. Barry Walker
Chairman, Math and Science Departments
Briarwood Christian School, Birmingham, AL
B.S., Physics, Montana State University
M.A., Education, Azusa Pacific University
Presidential Scholars’ Teacher Recognition Award, U.S. Department of Education
Highly Qualified Teacher – Physics and Mathematics

Workshops Director:

Dr. Byrle Kynerd
Chancellor, Briarwood Christian School
B.S. and M.A., Mississippi College
Ph.D., University of Georgia
Van Lunen Fellows Faculty, Calvin College
ACSI Board Member

Tuition/Fees: The goal of BCS is for the Workshops to be self-supporting and to keep the cost reasonable and modest while providing exemplary Science Advancement Training. A Resource Notebook, Lab Book, lunch Monday through Thursday for twelve days, and one informal dinner are included in the fee. The tuition/fee for a Modeling Instruction Science Workshop is $975.00. For those who cannot attend the complete three week workshops partial enrollment is offered at $425.00/wk.

Registration: An Application may be obtained by visiting www.bcsk12.org or calling Mrs. Calderini at 205-776-5909. Completed Applications and a non-refundable deposit of $200.00 should be sent to Dr. Byrle Kynerd, Workshop Director, Briarwood Christian School, 6255 Cahaba Valley Road, Birmingham, AL 35242. Timely registration is encouraged to secure enrollment.

Questions: Content questions about the Workshops may be directed to Mr. Walker, bwalker@briarwood.org. Enrollment questions and questions about lodging possibilities may be directed to Dr. Kynerd at bkynerd@briarwood.org or 205-776-5909.