

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: **One Week, Two Weeks, or Three Weeks Workshop Opportunities**

Week #1 – June 9-13

Week #2 – June 16-20

Week #3 – June 23-27

June 9- 27, 2008- Complete Workshop Experience*

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/>

*Recommended

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
Faculty:**

Research Consultant

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
Presidential 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)

Mr. Donald Yost

Taught High School Physics for 35 years
B.A., Physics, Sacramento State College
M.A., Physics, University of Notre Dame
Active Modeler since 1991
Modeling Workshop instructor at ASU and University
of California at Davis
Co-authored second year Modeling Physics program at
Arizona State University

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 Modeling Instruction Science Workshop is:

- One Week - \$425.00
- Two Weeks - \$850.00
- Three Weeks - \$975.00 *Recommended

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.

Credit: ACSI has authorized us to grant CEU credit for Workshop attendance.