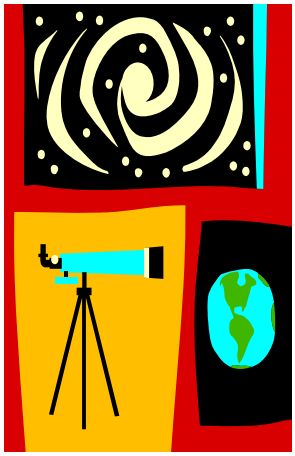
"UTSI's 2010 Computational Science Workshop"

June 14-18, 2010 – 15 Middle School Students and 3 MS Teachers
June 21-25, 2010 – 15 High School Students and 3 HS Teachers
9:00am-4:00pm each day



Thirty area students, 15 middle school and 15 high school, and six teachers will have an opportunity to learn the technologies, techniques, and tools of computational science .

Computational science is the area of scientific research that merges science, mathematics, and computing to produce computer models and simulations that allow users to study complex and challenging scientific behavior. In the workshop, students will learn how to use models, modify existing models, and create models from scratch. Topics being studied include computational astrophysics, meteorology, agriculture, genomics, epidemiology, pharmacokinetics and drug design, 3D graphics, and computational chemistry. Students will also have an opportunity to write their own sophisticated computer programs, using languages such as gnuplot, perl, and NetLogo.

Application forms are available at http://cla.utsi.edu. Please submit completed applications to Carole Thomas, UTSI, B.H. Goethert Parkway, Tullahoma, TN, 37388. Space is limited so apply early! Announcements on accepted applicants will be made by May 15, 2010.

The workshop is free. Please bring a sack lunch and drink with you each day. If you need more information call Carole Thomas at 931-393-7485.

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Name: _____
Address: _____
City: _____
School Name: _____
Parent/Guardian: _____
Telephone: _____ Cell phone: _____
Email: _____
Nominated by: _____
Teacher's phone #: _____
Grade student will be entering in the 2010/2011 school year: _____ Age: _____

Why do you want to participate in the UTSI Computational Science Workshop?

What skills do you think you already have that might help you be successful?

List other academic programs you have participated in, such as Science Olympiad, Odyssey of the Mind, academic science fairs, etc.

Describe your background in science, mathematics, and/or computing that makes you a good candidate for this program:

Describe your academic and career goals – for example, what you might like to study in college, your thoughts on your careers goals: