

"UTSI's 2011 Computational Science Workshop"

June 20-24, 2011 - 15 High School Students and 3 HS Teachers

June 27-July 1, 2011 - 15 Middle School Students and 3 MS Teachers

The University of TN Space Institute

9:00am-4:00pm each day



Thirty area students, from middle school and high school, plus 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 for accepted applicants will be made by May 6, 2011.

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.



"UTSI's 2010 Computational Science Workshop"

June 20-24, 2011 - 15 High School Students and 3 HS Teachers
June 27-July 1, 2011 - 15 Middle School Students and 3 MS Teachers
9:00am-4:00pm each day

Name: _____

Address: _____

City: _____

School Name: _____

Parent/Guardian: _____

Telephone: _____ Cell phone: _____

Email: _____

Nominated by: _____

Teacher's phone #: _____

Grade student will be entering in the 2011/2012 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: