K-12 Outreach programs and activities are the cornerstone for improving the quality of Education, and enhance the breadth and depth of knowledge, functional literacy, as well as improve the quality of incoming freshman students into the nation's colleges and universities. Organizers of K-12 outreach activities must then collaborate to develop improved and effective outreach programs to initiate change of general behavior towards specific fields. Particularly such collaboration and exchange of ideas are vital in order to increase the number of university students in Science, Technology, Engineering and Mathematics (STEM). This particular workshop, named "The COSMOS in the Classroom" targets STEM Teachers for Grade 9-12. There are three important points to this workshop:

1. It will address several competencies of the National and the State Science Content Standard.
2. It will address the No Child Left Behind Act.
3. It will add new teaching and learning technologies for science.
4. The teachers will also acquire 2 CEUs.

We are expecting the participation of 25 teachers from Guilford County and other school systems. The workshop will be held in Marteena Hall, computer laboratory. In the following table we summarize the workshop. In addition we plan to conduct a science outreach program from 900 students comprised of elementary, middle and high school. These activities are also significant because they coincide with the launching of the World Year of Physics 2005.

For more information please follow http://hoth.ncat.edu/~michael/PRESS/STS/workshop/stem-2005. All communications should be addressed to Dr. Abebe Kebede, Tel: 336-256-2039 and email: gutaye@ncat.edu