**NSBRI Teacher Institute**

Information for the Space Science Specialist Program

2007-2008 program includes a summer session: June 18-29, followed by academic-year presentations and meetings

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**Project Description**

The NSBRI Teacher Institute provides fieldtrips, laboratory experiences, and professional development for science teachers grades 4-12. The institute focuses on data gathering process skills, problem-solving strategies, and technology development related to providing a safe environment for humans during long term space travel.

Teachers explore biomedical research at UTMB and NASA, then work in writing groups to produce classroom activities to improve students' science process skills involved in carrying out authentic scientific investigations. Institute classroom products are created to:

- Develop problem-solving skills,
- Build knowledge from concrete experiences to abstract thinking, and
- Use authentic biomedical research to solve problems humans may encounter on long term space flight.

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**Expectations of Participants**

In this year-long program, teachers attend a two-week summer program (June 18-29). The first week (40 hours) is spent at various sites in Galveston and Clear Lake. The activities in the second week (40 hours) are held in Houston. Teachers continue to interact with NSBRI staff throughout the school year through workshops and curricular support. Participants are required to give two presentations, typically during inservice days, after school hours, or on Saturdays. Participation in the full year's activities is required.

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**Eligibility**

All grade 4-12 science teachers in the Galveston County and Houston areas are invited to participate. The number of participants is limited to 16.
Benefits to Campus & Participants

There are numerous benefits to participants in the NSBRI Teacher Institute:

- Discussions with leading scientists working on problems associated with working in a microgravity environment
- Exploration of motivating science activities aligned with the TEKS and National Science Standards
- Opportunities to work collaboratively with other teachers to create presentations and classroom activities
- Continuing Professional Education (CPE) credit hours
- Choice of high-quality NASA and NSBRI instructional resources
- Academic-year professional development and support
- $800 stipend ($500 following the summer session, $300 upon completion of the academic-year meetings and presentations)
- Materials valued at $200 for classroom use
- Financial support to present NSBRI materials at conferences

Primary University Contacts

Download an application and colleague letter of support form at:

http://nsbri-utmb.rice.edu/application.htm

Forms should be sent to one of the following people by May 15, 2007. Please do not hesitate to contact us if you have any questions.

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