

## Eligibility

Candidate must:

Be a U.S. Citizen (the program is not open to foreign nationals)

- Be a K-8 prospective teacher
- Be a full-time student at a member institution
- Have an overall 2.5 Grade Point Average
- Be a rising junior or senior, or a graduate student with no undergraduate degree in education
- Have successfully completed at least one math or science class
- Be present for the opening banquet on the first day
- Be in continuous attendance for the two-week period
- Have an e-mail address



## Housing and Accommodations

Housing and meals will be available to participants on the campus of Jackson State University. Room, board, stipend and travel will be provided.

## Deadlines

Application Materials are due: April 5, 2013

## For Additional Information:

### Dr. Pamala Heard, Project Director

Office of Sponsored Programs

Jackson State University

P. O. Box 17129

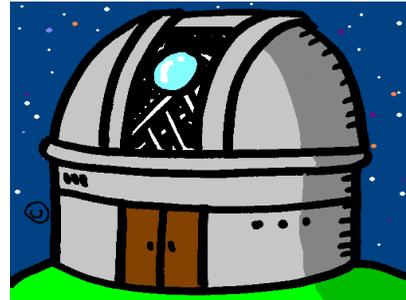
Jackson, Mississippi 39217

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Jackson State University recruits, admits and provides service, financial aid, and instruction to all students without regard to race, age, sex, religion or national origin.

## PSTI

## Pre- Service Teacher Institute

### Two-week Residential Program

July 14 - July 26, 2013



### Office of Sponsored Programs

Jackson State University

1400 John R. Lynch Street

Jackson, Mississippi 39217

## Description:

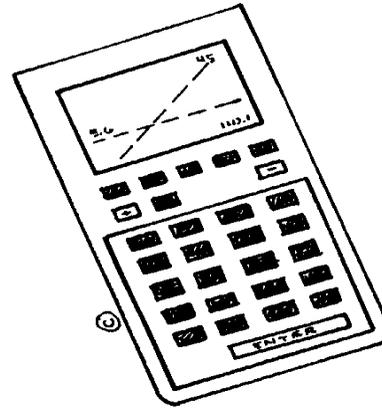
The National Aeronautics and Space Administration/ Jackson State University (NASA/JSU) Pre-Service Teacher Institute (PSTI) is a two-week residential institute held on the JSU campus in Jackson, Mississippi. It is designed for college students who are preparing to teach in a middle school.

The program is designed to increase students' skills in teaching mathematics and science, while incorporating technology in the curriculum. This is achieved through the development of a problem-based learning (PBL) aerospace theme. Each student is assigned to an Institute Flight Team. Students develop a lesson that they teach to children from a local school, and will later teach in a middle school when they return home.

Students must attend a designated member institution.

A financial support package is provided to all participants.

- Stipends of \$500
- Transportation from city of residence to Jackson-Evers International Airport or Jackson Bus/Train Station. **Students must make their own travel arrangements.**
- Students traveling in excess of 400 miles from JSU may fly and will be reimbursed, for actual costs, up to \$400 with receipts. (Students should investigate their State Air Travel Rates and reserve early.)
- Students traveling less than 400 miles from JSU are expected to take ground transportation and will be reimbursed at a rate of .56 cents per mile up to \$200 with receipts
- Double occupancy dorm rooms are provided at JSU
- Meals are provided
- A three-ring binder is provided for notes
- A book bag is provided for carrying materials



## Program Sponsor:

Funding provided by NASA Space Operations Mission Directorate through John C. Stennis Space Center.



## Program Objectives:

- To model and promote the use of scientific inquiry
- To enhance pre-service elementary and intermediate school teachers' knowledge, skills, and strategies for teaching mathematics and science
- To promote enthusiasm and self-confidence for teaching science and mathematics for pre-service teachers of young children
- To provide pre-service teachers with a variety of alternative instructional strategies
- To provide pre-service teachers with an opportunity to use computers and related communication and education technologies

The program is designed to increase skills in teaching mathematics and science while incorporating technology into the curriculum. Participants will develop an electronic portfolio, a curriculum vitae and an educational philosophy, that contains resources gained during the program. Participants will present their portfolios to the PSTI faculty and staff at the close of the program.

## PSTI Location:

The program will be held on the campus of Jackson State University in Jackson, MS. With an enrollment of approximately 8,300 students, Jackson State University is the fourth largest state supported university in Mississippi.

During the summer, participants will be housed in dormitories on the Jackson State University campus. Housing facilities will be within a five-minute walk to project activities. Meals will be provided.