

## **NEWEST NASA EDUCATIONAL WORKSHOPS FOR ELEMENTARY SCHOOL TEACHERS**

## **NEWMAST NASA EDUCATIONAL WORKSHOPS FOR MATHEMATICS, SCIENCE AND TECHNOLOGY TEACHERS**

**NASA Educational Workshops** provide teachers with an opportunity to observe NASA's state-of-the-art research and development through direct interaction with NASA scientists at each of the nine NASA Field Centers. Translation activities have been developed and incorporated into the workshops to help teachers adapt their new content knowledge, experience, and materials into their specific educational situations. Selected participants will spend two weeks at one of NASA's nine centers. Travel expenses, housing and meals are included as part of the program.

The NEWEST and NEWMAST programs are sponsored by the National Aeronautics and Space Administration (NASA) and implemented in cooperation with International Technology Educational Association (ITEA), National Council of Teachers of Mathematics (NCTM) and the National Science Teachers Association (NSTA).

### **ELIGIBILITY**

1) must be citizens of the United States; 2) be certified teachers; 3) teach full time public or private schools in the U.S., the U.S. territories, Department of Defense Dependant Schools, Department of State Overseas Schools, or Bureau of Indian Affairs Schools; 4) have a minimum of five years teaching experience. NEWEST applicants must teach at the Pre-K through sixth grade level. NEWMAST applicants must teach mathematics, science or technology at the seventh to twelfth grade level. If an applicant is selected and participates in the program, she/he is ineligible to attend additional NEWEST/NEWMAST workshops.

### **WORKSHOP ACTIVITIES**

Workshop participants will visit research and applied science facilities; examine topics relating to Mission to Planet Earth, Aeronautics, Human Exploration and Development in Space, Space Science and Space Technology; collect and review educational materials in the Teacher Resource Center; and share their teaching experiences and ideas with other participants.

**ADDITIONAL PROGRAM BENEFITS**

- An intensive two-week workshop at a NASA center.
- Travel expenses, housing and meals.
- Three hours graduate credit from Oklahoma State University.
- National recognition
- Continued contact with other participants through The Orbit newsletter and alumni activities.

**APPLICANT PROFILE**—Successful applicants are teachers who have:

- Motivated and encouraged students to reach a high standard of excellence.
- Significantly improved students' understanding of science, mathematics, or technology.
- Experienced success with students who need additional educational resources or innovative approaches.
- Displayed continued growth and professional involvement in their area of specialization and the art of teaching.
- Used an interdisciplinary approach to education and shown an interest in real world applications.

\*\* Application of outstanding teachers from under-represented minority groups is especially encouraged. The sponsors and cooperators of the NEWEST/NEWMASST programs are committed to eliminating barriers to educational opportunities for all students and educators.

All Applications must be sent to NEWEST/NEWMAS, c/o National Science Teachers Association, 1840 Wilson Boulevard, Arlington, VA 22201-3000. Applications must be postmarked by February 15.

# Application Form

Part I

NEWEST  NEWMAS (check one)

Applicant's Name \_\_\_\_\_

Home Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

U.S. Citizen  Yes  No

Social Security No. \_\_\_\_\_

Phone \_\_\_\_\_

Completion of this section is voluntary. Participants will be selected on merit, not race or gender. This information is used to determine how well the program serves all segments of the diverse population.

Gender:  Male  Female

Race:  Caucasian

Native American

Hispanic

African American

Asian American

Other

**School Type:**  Rural  Suburban  Urban

**School Level:**  Elementary  Middle/Junior High  High School

Teaching Assignments: (Grade Levels Pre K-12) \_\_\_\_\_

Subject Areas:  Science  Math  Other Subjects

Self-contained

Technology

Areas of Certification: \_\_\_\_\_

How did you hear about the NASA Educational Workshops?

Professional education publication  NASA publication

Newspaper/Magazine

NSTA publication

Other

Principal's Name \_\_\_\_\_

Local Newspaper: \_\_\_\_\_

School: \_\_\_\_\_

Address: \_\_\_\_\_

School Address: \_\_\_\_\_

City: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Phone \_\_\_\_\_

**Failure to complete the application or breach of eligibility requirements may result in disqualification. THIS INFORMATION ABOVE AND HEREIN IS ACCURATE TO THE BEST OF MY KNOWLEDGE.**

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

# Application Form

Part II

**Respond to the following questions on a separate sheet of paper. Responses must be typewritten, double-spaced, on unlined, 8 1/2"x11" paper, one side only.**

**I. ACADEMIC AND PROFESSIONAL EXPERIENCE**—Summarize your professional background and experience as outlined below. Do not exceed three (3) pages. You may attach a professional resume.

- 1. Current Teaching Assignment**—Describe in detail, listing courses and other related duties. Account for 100% of your time.
- 2. Formal Education**—Institution, type of degree, major, minor, and dates degrees were granted.
- 3. Certification**—Type of certification you hold.
- 4. Teaching Experience**—School(s), teaching assignments, dates, and other information which provide an accurate portrayal of your teaching experience.
- 5. Professional Activities**—Examples might include research interest, inservice participation, membership in professional organizations, publications, etc.
- 6. Other Teaching-Related Activities**—Examples might include outreach to the community, liaison with local/regional businesses, special youth programs, etc.

**II. ESSAY QUESTIONS** (maximum one page per question)

1. Describe how you, in your current teaching assignment, incorporate new ideas and concept; integrate related disciplines; connect classroom studies to real world applications; and promote educational excellence in your school and community.
2. What are the particular needs of your student body or school regarding educational resources and innovative or motivational approaches?
3. Outline and describe a plan for using the knowledge and resources you will receive during the workshop with your students, school and/or community. What are your expectations for outreach and personal impact with the plan?

**III. LETTERS OF RECOMMENDATION**

Attach three letters of recommendation. One letter from an administrator should indicate the willingness of the school, the district, or an educational organization to provide you with an opportunity to share the information and materials gained at the NASA workshop with other teachers. The other two letters should be from individuals familiar with your teaching ability and contain specific evidence of your ability to motivate students and promote educational excellence.

**ADDITIONAL LETTERS OR MATERIALS WILL NOT BE CONSIDERED.**

Submitted materials become the property of NASA/NSTA and will not be returned.

**Deadline:** Responses to items I, II, III above, and a completed application form must be sent to: NEWEST/NEWMASST National Science Teachers Association 1840 Wilson Blvd., Arlington, VA 22201-3000. **Applications must be postmarked by February 15.**