



READDIO.COM





Eligibility

The following are the eligibility criteria for the 2007 nominees:

- They must be highly qualified teachers as determined by No Child Left Behind legislation, the National Council of Teachers of Mathematics (NCTM) Standards, and the National Research Council's (NRC) National Science Education Standards.
- They must hold a degree or appropriate credentials in the category for which they are applying.
- They must be teachers in one of the 50 states or four U.S. jurisdictions. The jurisdictions are Washington, D.C., Puerto Rico, Department of Defense Schools, and the U.S. Territories as a group (American Samoa, Guam, the Commonwealth of the Northern Marianas, and the U.S. Virgin Islands).

- They must be full-time employees of their school districts.
- They must have at least five (5) years of mathematics or science teaching experience prior to application.
- They must teach grades 7-12 mathematics or science in a public or private school, and at least assigned to teach half time during the school year to classroom teaching of mathematics or science, or teach in self-contained classrooms in grades 7-8.
- They must *not* have received the PAEMST award at the national level in any prior competitions or category.

Category

- Based on their experience and qualifications, teachers may compete in either the mathematics or science category at the specific grade level per the year of submission.

Nomination

Teachers must be nominated for the award. Anyone (e.g., principals, teachers, students, other members of the general public) may nominate a teacher by completing the nomination form available on the PAEMST website, www.paemst.org. The form should be submitted to the PAEMST state coordinator and a copy sent to the nominee.

Selection Process

- **At the state level**, state coordinators convene state and jurisdiction selection committees (prominent mathematicians, scientists, mathematics/science educators, and past Presidential Awardees) that choose up to three finalists from each category (mathematics or science) for recognition at the state level. Each of the state Finalists receives the National Science Foundation State Certificate for Excellence in Mathematics and Science Teaching. To ensure consistency across states, the State Selection Committees use the same criteria as the National Science Foundation.

Selection Process

- **At the national level**, NSF convenes a National Selection Committee comprised of prominent mathematicians, scientists, mathematics/science educators, and past Presidential Awardees, which reviews the application packets of the State Finalists and makes recommendations for one finalist per state in each category (mathematics or science) to the National Science Foundation for recognition at the national level. These recommendations are sent forward to the President of the United States for final processing and approval.

Use of Presidential Awardees

- **Past**

- Served on review panels at NSF
- Served on National Selection Committee for PAEMST
- Presented at regional and national professional organization meetings for PAEMST (as Einstein Fellows)

Use of PAs Cont'd

- **Future**

- Continue to participate on panels, committees, conferences, conventions, etc.
- Present at EHR Advisory meetings.
- Provide insights to EHR and ESIE about
 - the reality of teaching S/M in today's classroom.
 - current needs of S/M teachers.
 - other

Use of PAs Cont'd

- Present at brown bag meetings.
- Participate in internships, seminars, and summer institutes.
- Organize a cadre of teacher leaders at the regional and national levels to serve as mentors and trainers.
- Hold annual meetings for a subset of PAs to share information about best practices.

Use of PAs Cont'd

- **Future**

- Work through the three alumni organizations to obtain support for panels, committees, conferences, conventions, etc.
- Support alumni organizations in improving STEM education.
- Seek support for identifying PAs for internships and institutes opportunities.
- Select PAs to participate in research opportunities.
- Host a national meeting to seek ways engage Awardees in focus group discussions, tap their interest/expertise, identify short and long-term strategies for working with NSF.

Use of PAs Cont'd

- Design a website for teachers to:
 - Share special S/M projects and models of best practices.
 - Write article for an electronic magazine about teaching strategies used to help some students understand S/M content more deeply.
 - Upload and share data to obtain feedback on teaching methods and strategies.
 - Share in a national electronic network to reduce isolation in the profession.
 - Share human interest stories.
 - Other.