



Presidential Awards *for Excellence in Mathematics & Science Teaching*

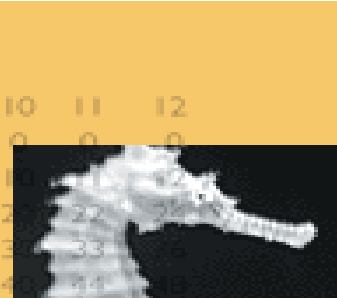
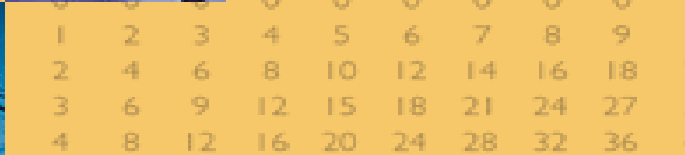
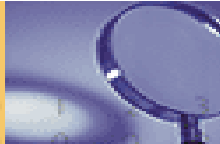
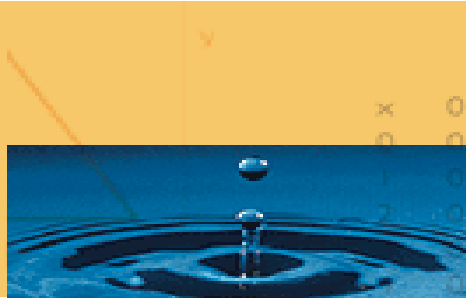
# Recognizing Great Teaching

## The Presidential Award Program

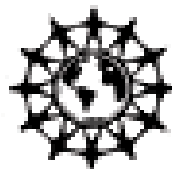
**Edward C. Nolan**  
**Mathematics, 2005**



- ◆ The Presidential Awards for Excellence in Mathematics and Science Teaching (PAEMST) Program was established in 1983 by **The White House** and is sponsored by the National Science Foundation (NSF).
- ◆ The program **recognizes outstanding mathematics and science teachers**, kindergarten through 12th grade, in each state and the four U.S. jurisdictions.
- ◆ These **teachers will serve as models** for their colleagues and will be leaders in the improvement of science and mathematics education.



# For mathematics PAEMST is a collaboration of:



National Science  
Foundation

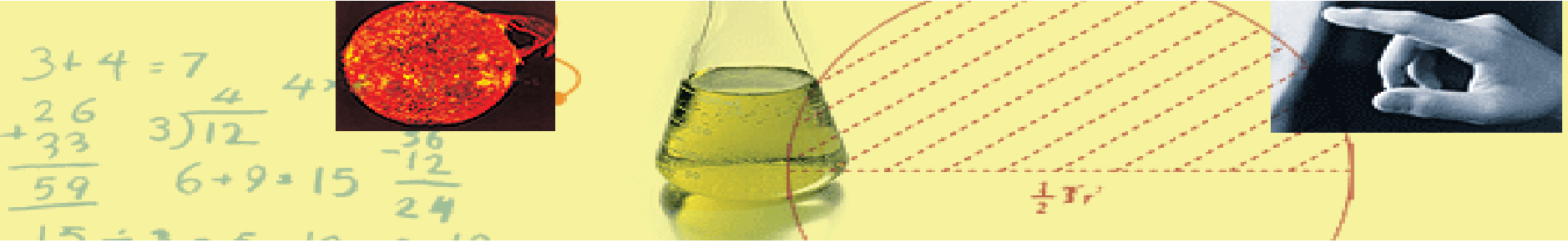
*ASSM*

**CPAM**



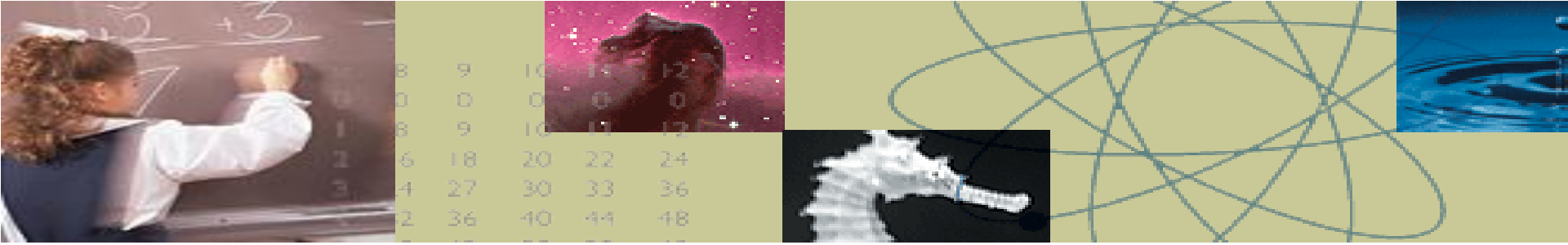
NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS





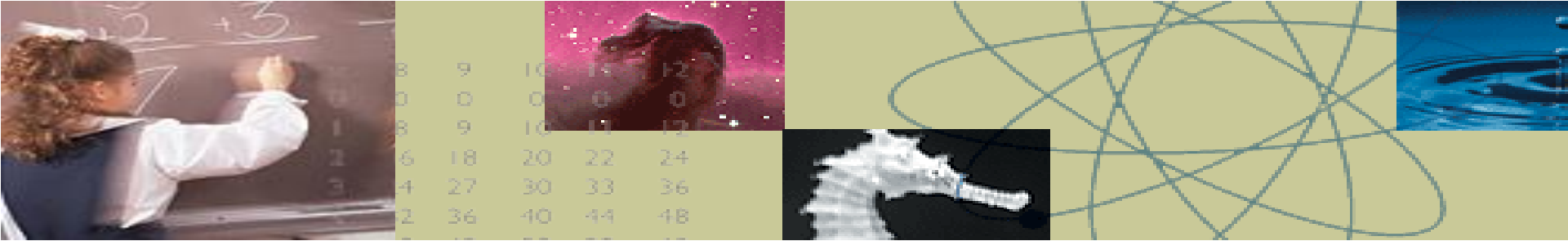
# How is Great Teaching Rewarded?

- ◆ A Presidential Award for Excellence in Mathematics and Science Teaching
  - ◆ Our nation's highest honor for K-12 mathematics and science teachers
  - ◆ \$10,000 award
  - ◆ Gifts from numerous generous donors
  - ◆ Trip to Washington, D.C.



# The Selection Process

- ◆ Every state and territory may have a presidential awardee in mathematics and a presidential awardee in science every year
  - ◆ Elementary (even years)
  - ◆ Secondary (odd years)



# The Selection Process

- ◆ Teachers must be nominated
- ◆ Teachers complete and submit an application to the state coordinator
- ◆ A state selection committee may choose up to three finalists for mathematics and up to three finalists for science
- ◆ State finalists' applications are submitted to the National Science Foundation

# State Finalists' Recognition

- ◆ State finalists receive a certificate from the National Science Foundation
- ◆ State finalists participate in their state's recognition event





**Nomination is a great way of saying, “I admire and appreciate what you are doing.”**

# www.paemst.org

## Presidential Awards for Excellence in Mathematics and Science Teaching

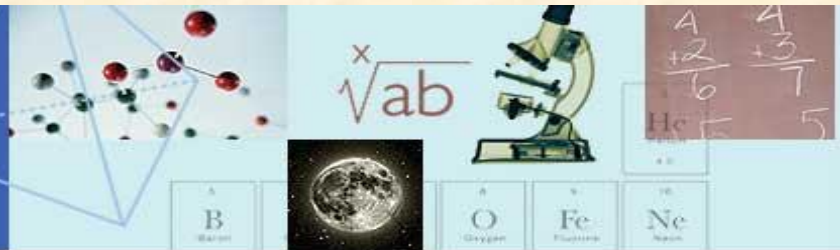
Rewarding & Inspiring Great Teaching

[About the Awards](#)  
[Awardees](#)  
[Application and Selection](#)  
[State Coordinators](#)  
[Press Room](#)



National Science  
Foundation

We're Looking for Great Teachers.  
**Nominate Now!**



### 2004 Awardees Announced

The Presidential Awards for Excellence in Mathematics and Science Teaching is the nation's highest honor for teachers of mathematics and science. The Awards recognize exemplary K-12 teachers for their contributions in the classroom and to their profession. Excellent teachers perform miracles everyday with little or no recognition. The Presidential Awards demonstrate the value and appreciation the nation has for the teaching profession. [Nominate](#) an outstanding math or science teacher today for this prestigious award.

"I think of this as the Nobel Prize of my profession."


*Paul Rutherford—Lee Summit, MO  
High School Science Teacher*

"It's unbelievable! It's kind of the dream come true for a lifetime; one of those career goals for yourself. Then, all of a sudden, you realize it really has happened."

*Patricia Littlejohn—Nashville, TN  
7th Grade Science Teacher*

# State Coordinators Website

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## State Coordinators

**State Coordinators**  
Your State Coordinator for the Presidential Awards program can answer any questions you may have about the program and application process.

**Find Your State Coordinator**  
Use the tool below to find your State Coordinator:

State:

Discipline:  Grade Level:


**State Coordinator Log-in**  
If you are a State Coordinator, please log in to update your contact information. If you do not know your user name or password, [click here](#). If you are a new State Coordinator, e-mail [paemstinfo@esi-dc.com](mailto:paemstinfo@esi-dc.com) to have a user name and password sent to you.

Username:

Password:

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## Awardees

[Presidential Awards iPods Project](#)

### New Awardees

The complete list of [2004 Presidential Awardees](#) is here! The President announced the recipients in April 2005. For press releases on the 2004 Awardees, [click here](#).

### Find an Awardee

Use the tool below to find awardees from the current and previous years.

State:  Year:

Discipline:  Grade Level:

### Awardee Log-in

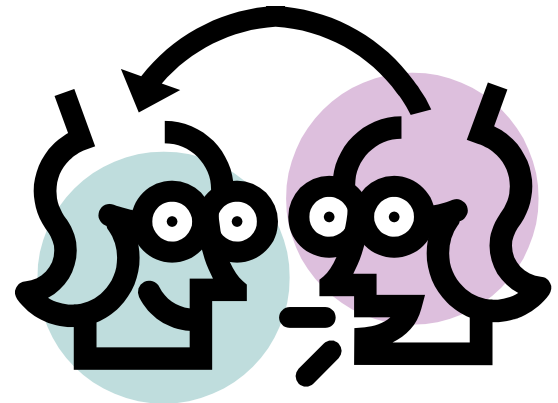
If you are an Awardee, please log in to the Awardee section of the website, where you will be able to update your contact information. If you do not know your user name or password, [click here](#).

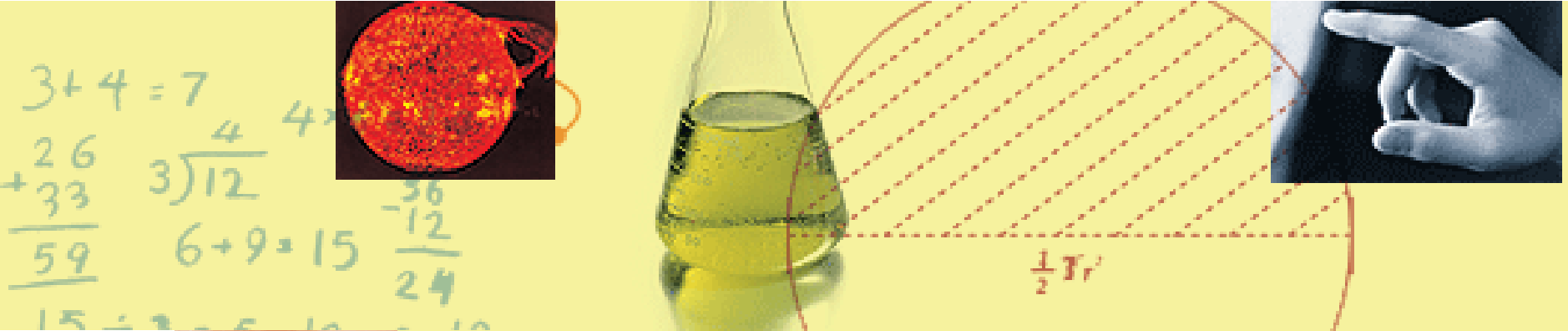
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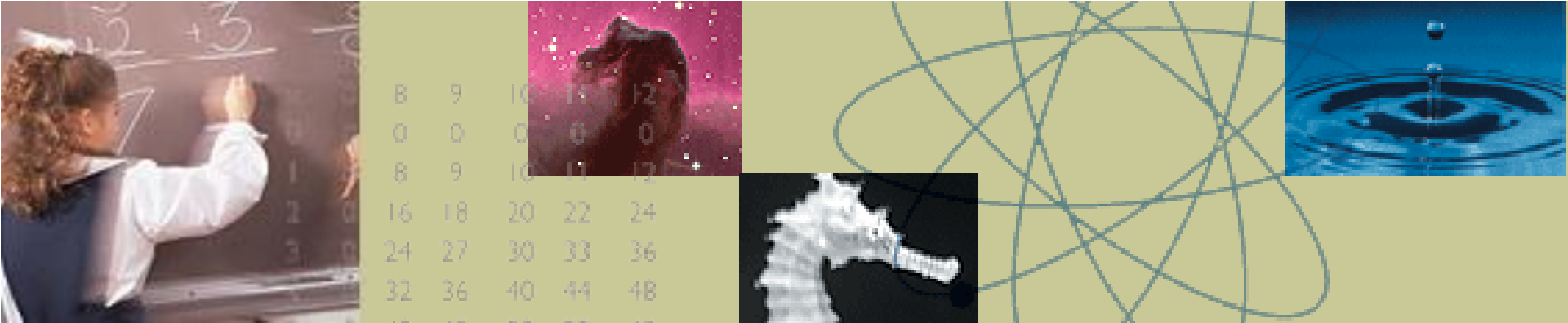
# What makes great teaching?





## ◆ Curriculum

- ◆ Based on national standards
- ◆ Developmentally appropriate content
- ◆ Coherent instructional sequence
- ◆ Learning opportunities for all students



## ◆ Instruction

- ◆ Content
- ◆ Strategies
- ◆ Enthusiasm
- ◆ Elicit student ideas
- ◆ Students engaged in important mathematics
- ◆ Conceptual understanding and problem solving



## ◆ Assessment

- ◆ Plans instruction based on student understanding
- ◆ Systematically uses multiple assessment methods
- ◆ Reflects on understanding shown on student work



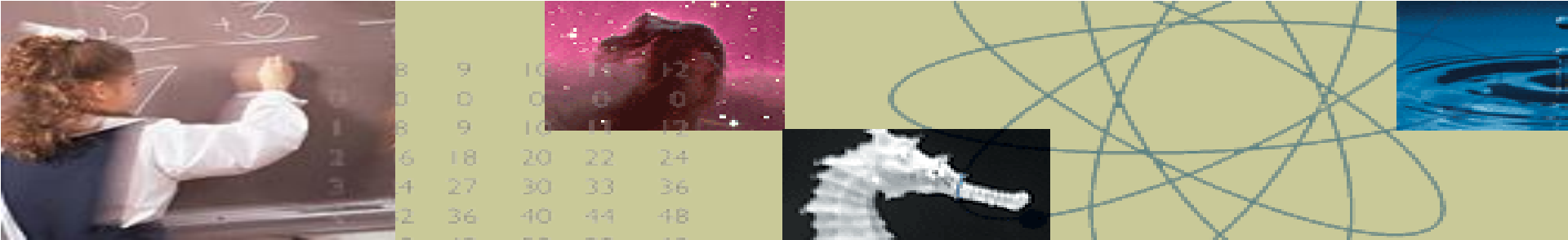
## ◆ Reflective Practitioner

- ◆ Is aware of student understanding
- ◆ Analyzes lessons for strengths and weaknesses
- ◆ Revises instruction based upon reflections



## ◆ Professionalism and Leadership

- ◆ Has a strong academic background
- ◆ Attends professional development
- ◆ Provides professional development
- ◆ Is professionally active



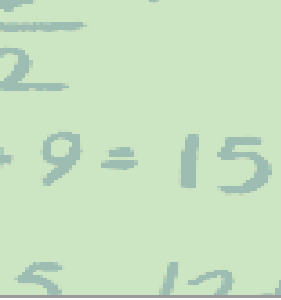
# The video should capture:

- ◆ Ability to capture students' imaginations
- ◆ Personality, passion, and flair for teaching and learning
- ◆ Belief that all students can learn
- ◆ Students engaged with important mathematics content



# Written Portion

- ◆ Describes the instructional strategies
- ◆ Shows a grasp of student understanding
- ◆ Describes the strengths and weaknesses of the lesson
- ◆ Shows how future instruction will be shaped based upon analysis of students' needs



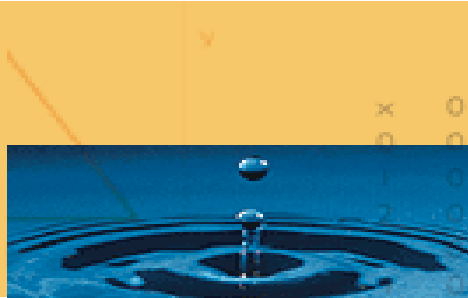
# What Changes for You?

**“I felt empowered to give more of my energy to leadership and to service for others in my profession and I felt the responsibility to do so.**

**To me, the true gift of PAEMST is the confidence and affirmation it afforded me to become more than I ever dreamed I could be and contribute more to others than I knew I had to give.”**



Sue Eddins, Illinois 1989

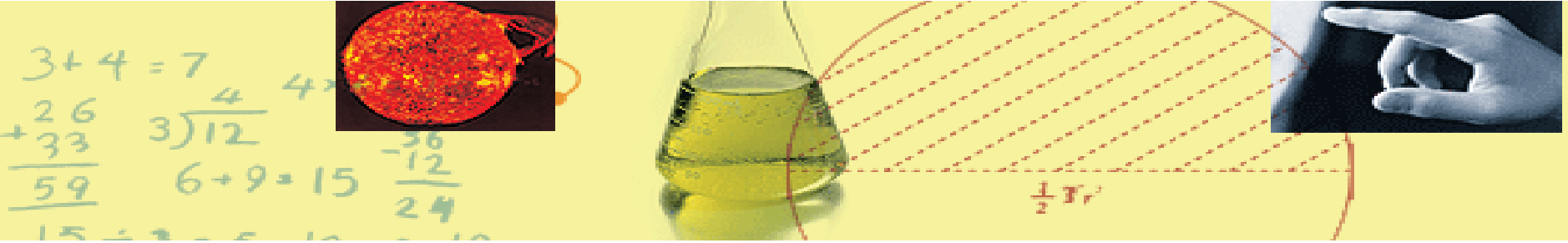


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2	4	6	8	10	12	14	16	18	20	22	24	26	28
3	6	9	12	15	18	21	24	27	30	33	36	39	42
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**A PAEMST award can be a path to even greater involvement . . .**

**All awardees are welcomed into the Council of Presidential Awardees in Mathematics and other networks.**

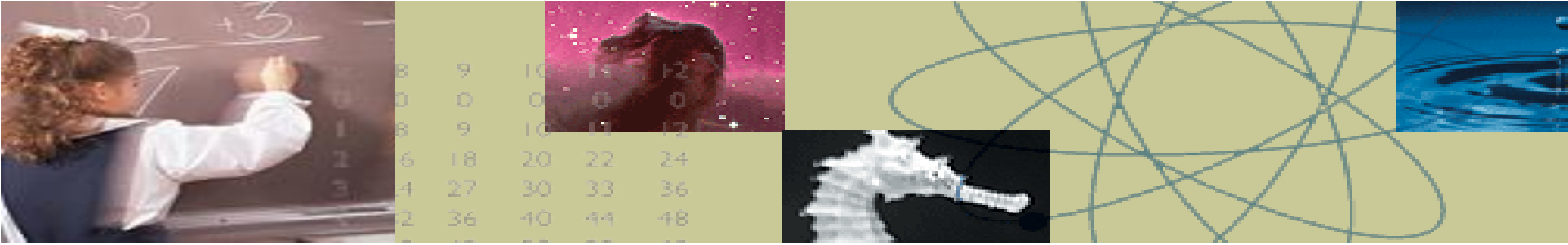


“Perhaps the main reason I would encourage someone to become a Presidential Awardee (and to keep trying) is that having your name on this list keeps you in contact with other excellent teachers.

Many companies keep writing me to see if I will evaluate their products (which they give me free) because they use the list of awardees. I have been asked to serve as a consultant on several projects as a result of the Presidential Award. Each year at the national convention, numerous companies have given awardees gifts.

All these gifts have a direct effect on my classroom and my students’ learning as they are able to have the best technology and materials.”

Deborah Britt, North Carolina 2002



# PAEMST provides ways to highlight the quality of your school or district

- ◆ NSF and ESI provide press releases
- ◆ Your school is recognized as a place of excellence
- ◆ Many schools have multiple awardees—excellence supports excellence



# The application process is a path to professional growth

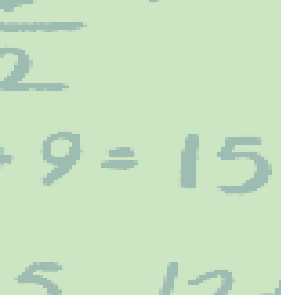
“Anyone who recognizes the importance of reflection would agree that going through the application process is beneficial. Yes, there may be disappointment, but continuing on the path of reflection is enriching. That is why mentoring is so important—mentoring before, during, and after.”

Jean Howard, Montana 1994



# Nominate Now

- ◆ The application process is extensive and intensive.
- ◆ Applicants need to be encouraged and supported.



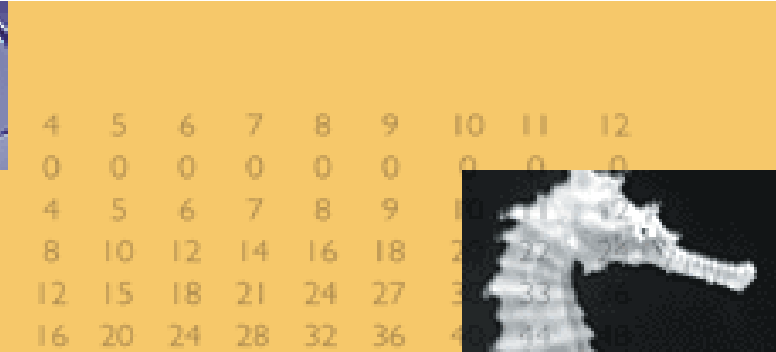
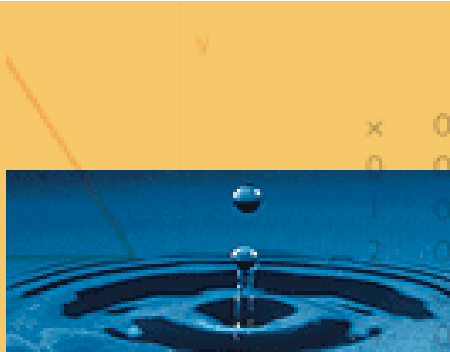
## Nominate Now

- ◆ Check in often.
- ◆ Connect the applicant with the state coordinator—there may be a state PAEMST mentoring program. National Board Certified Teachers and previous awardees are good resources.
- ◆ Keep saying how much you admire their work (they are having to review their video tape and maybe focusing too much on the small flaws).



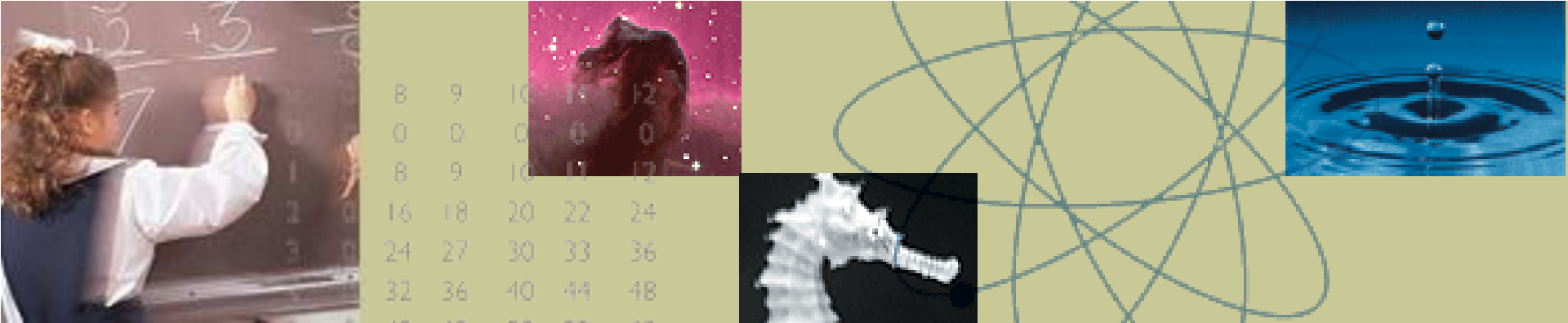
## Nominate Now

- ◆ Be a coach.
- ◆ Offer to view and talk about their video with them.
- ◆ Offer to proofread the written parts of their application.
- ◆ Offer to help with the final checklist.



# The PAEMST can be a platform to launch leadership opportunities

- “Leadership and learning are indispensable to each other.”  
—*John F. Kennedy*
- “Good leaders develop through a never-ending process of self-study, education, training, and experience.”  
—*Manual on Military Leadership*



“The mediocre teacher tells. The good teacher explains. The superior teacher demonstrates. The great teacher inspires.”

—William Arthur Ward

