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ASTE  
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Newsletter

**President's Newsletter Message**  
**Kathy I. Norman, ASTE President**

**Report on the 2006 ASTE Board of Directors**



After reviewing and revising the Strategic Goals and Action Items, Next Steps for each Action Item will be developed. Please plan to contribute to this strategic plan for ASTE

Your ASTE Board of Directors has been hard at work during 2006 ensuring the success of the organization and planning for the future. We have an exceptional Board, composed of hard-working top-notch science teacher educators who are dedicated to science education, teacher preparation, and science literacy for all members of our society. In addition, ASTE Board members are committed to shaping the organization to meet the needs of science teacher educators in the next 5, 10, 15, 20 and even 25 years. The Board spent four days this summer in a working retreat, with almost non-stop meeting and planning. In addition to standard business such as reviewing reports from committees, considering recommendations and motions from various committees and groups, and reviewing the facilities and plans for the 2007 Conference, other work accomplished by the 2006 ASTE Board of Directors includes the following:

- Selected an excellent new Executive Secretary, who began work immediately and has yet to slow down, serving as both Executive Secretary and Director of Electronic Services for ASTE.
- Approved plan to update our ASTE web site.
- Approved plans for online membership and registration payments (now in place).
- Continued and expanded our official collaboration with NSTA, as both organizations strive to recruit, retain, and meet the educational needs of K-college teachers of science.
- Approved and began a collaboration with the Japanese Society of Science Teachers, which hosted our ASTE Board Member representative's participation in their annual conference.
- Approved and began a collaboration with NASA-Preservice Education Working Group, which hosted our ASTE Board member representative's participation in a five day planning institute on improving preservice teacher education in science by incorporating earth and space science resources into instruction, advocacy and outreach.
- Reviewed documents detailing the practices of Exceptional Boards, including (a) *10 Basic Responsibilities of Nonprofit Boards*, (b) *12 Principles of Governance of Exceptional Boards*, and *Financial Responsibilities of Nonprofit Boards*.
- Reviewed the Long Range Plan for ASTE developed by the ASTE Oversight Committee.

(Continued from page 1)

Reviewed documents of national and international significance to science teacher education this year, including:

Current legislation being considered in the U.S. House and Senate.

The National Academies' Report *Rising Above the Gathering Storm: Energizing and Employing America for a Brighter Economic Future*.

The National Science Board's Report *America's Pressing Challenge – Building a Stronger Foundation: A Companion to Science and Engineering Indicators 2006*.

The Business Roundtable's Report: *Tapping America's Potential: The Education for Innovation Initiative*.

Began "Strategy 2006" – the strategic planning document for ASTE, based on the Long Range Plan and the reports and research reviewed at the Summer Board Meeting.

Approved an increase in the number issues of The Journal of Science Teacher Education per volume, from four to six.

Approved a new ASTE Region for international members.

Sent Board Member Representatives to participate in and bring back information from meetings of the Council of Scientific Society Presidents, the Triangle Coalition, and the National Science Teachers' Association.

Supported a Board member's work as Secretary for the Council of Scientific Society Presidents

Submitted a Board member nominee for consideration as a candidate for the election ballot for the Triangle Coalition's Board of Directors.

Continued ASTE's participation in the development of RAISE: Research Agenda in Science Education.

Approved continuing the hosting of NSTA's NCATE Folio Review Board Training the day prior to the beginning of the annual ASTE Conference.

Began the practice of having monthly Conference Calls to facilitate fulfilling duties and continuing the work of ASTE.

For additional information on any of these items, ask me or any member of your ASTE Board.

Below is "ASTE Strategy 2006" developed by the 2006 Board of Directors at the Summer Board Meeting. The first section includes our current Mission Statement. Next you will find a draft of Strategic Goals and Action Items for the organization. We invite your input, comments and additions. Please email them to me at [knorman@csusm.edu](mailto:knorman@csusm.edu).

## ASTE STRATEGY 2006

### ASTE Mission Statement:

The Association for Science Teacher Education (ASTE) promotes leadership and support for professionals involved in the education and development of teachers of science at all levels. ASTE advances practice and policy through scholarship, collaboration, and innovation in science teacher education across the world.

### ASTE Strategic Goals:

#### 1. Advocate for science teacher education.

a. Action item: Monitor position announcements.

b. Action item: Disseminate exemplary research findings to policymakers and other stakeholders.

c. Action item: Review the state of science teacher education every 5 years.

#### 2. Enhance and strengthen content knowledge among science teachers and science teacher educators.

a. Action item: Provide science content "reinforcement" institutes.

b. Action item: Encourage an ASTE conference strand that engages scientists in discussion of their latest scientific research.

#### 3. Enhance and strengthen pedagogical knowledge among science teachers and science teacher educators.

a. Action item: Provide pedagogical knowledge "reinforcement" institutes.

b. Action item: Have member expertise sessions related to pedagogy or science content.

## President's message continued

4. **Advance and implement the findings of exemplary research and innovative practices that serve the population of science teachers and science teacher educators.**
  - a. Action item: Encourage members to provide best practice sessions at ASTE Conferences.
  - b. Action item: Promote the ASTE Regions.  
For example--Each year at the Conference feature one Region—and have its members do a special session on their programs or projects (or the area/their expertise/what they are doing)
5. **Strengthen the leadership capacity within the science teacher education community.**
  - a. Action item: Focus on leadership development at preconference workshops. Have institute on leadership.
  - b. Action item: Have a retreat before or after the conference on writing, etc.
6. **Proactively seek and engage partners in the business, government, scientific, and educational communities.**
  - a. Action item: Invite a regional political leader to the Conference to speak about science education in that area.
  - b. Action item: Invite legislator to ASTE luncheon to give a limited talk.
7. **Promote and address diversity issues related to science teaching and learning.**
  - a. Action item: Link to leadership training. (How do I become involved with \_\_\_?)
  - b. Action item: Identify science educators from historically black colleges and universities, as well as all institutions.
  - c. Action item: Find other science teacher educators not engaged with ASTE; invite them to be involved.
  - d. Action item: Board members each call 10 science teacher educators who are not engaged with ASTE, and invite them to the annual conference.
8. **Mentor science teacher educators of excellence.**  
Action item: Presentations of “Early Works” at conference.

After reviewing and revising the Strategic Goals and Action Items, Next Steps for each Action Item will be developed. Please plan to contribute to this strategic plan for ASTE. It has been an honor and a wonderful year serving you as the President of ASTE. See you in January at the Conference!



## Announcements

Eugene P. Wagner is the Executive Secretary of ASTE. He may be contacted at:

Eugene P. Wagner, Ph.D.  
Executive Secretary Association for Science Teacher Education  
113 Radcliff Dr.  
Pittsburgh, PA 15237  
phone: 412-720-8699      fax: 412-648-3297  
[ewagner@pitt.edu](mailto:ewagner@pitt.edu)

### REMINDER:

Don't forget to renew your annual membership for 2007. Membership applications may be completed through our new ONLINE membership form posted on the website <http://TheASTE.org>. Membership can also be processed through our traditional paper form, which is available upon request by emailing ([ewagner@pitt.edu](mailto:ewagner@pitt.edu)) or calling (412-624-2861) Eugene Wagner, ASTE Executive Secretary

Questions about your membership status? Email, call, or write the ASTE Executive Secretary.

## Convention information

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Please join us at the 2007 International Conference January 3-7, 2007 in Clearwater Florida. Details about the conference and registration can be found on the ASTE website <http://TheASTE.org>. We encourage you to use our new ONLINE conference registration & membership form. Traditional paper copies of the registration and membership form are also available upon request by emailing (ewagner@pitt.edu) or calling (412-624-2861) Eugene Wagner, ASTE Executive Secretary.

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Hi All:

For those who have not been able to get booked in the **Clearwater Beach Hilton** for ASTE 2007, I have worked out a great deal with the **Clearwater Beach Gulfview Resort** for our overflow. Here are some highlights:

- ◆ They will honor the conference rate of \$119.00 per night.
- ◆ They will have rooms at the conference rate for several days prior to and after the conference (You will need to specify this when you book).
- ◆ They are 1/4 mile from (10 minute walk) from the Hilton (can walk on the Beach between hotels too)
- ◆ Shuttle does come by every 30 minutes
- ◆ Newly remodeled rooms with 32" flat LCD TV's
- ◆ Kitchenette w/ granite counter-tops
- ◆ Heated Pool on the Gulf
- ◆ New waterfront restaurant (Jimmy's Fish House and Iguana Bar)

I am holding 25 rooms with a release date of Dec. 10th, 2005. People will need to make their reservations by then. If we need more rooms, they will accommodate based upon availability. There is no group code -- but make sure you tell them you are with "ASTE" and are booking at that rate.

Best, Dana Zeidler  
2007 ASTE International Conference Chair

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### ***National Academy for Science and Mathematics Education Leadership*** **Cohort VII Recruitment**

At no time has there been a greater need to ensure quality teaching and learning of mathematics and science in U.S. schools. Mathematics and science education leaders are called upon to implement wide scale changes in curriculum, instruction and assessment practices and to create professional development programs that deepen teachers' content and pedagogy knowledge and skills. Leaders must know how to support teachers to provide research-based learning experiences for all students.

Since 1997, leaders have joined WestEd's National Academy for Science and Mathematics Education Leadership for in-depth professional development to prepare them to succeed in this role. The purpose of the Leadership Academy is to enhance the knowledge, skills, and strategies of educational leaders, focusing on helping them implement and sustain quality teaching and learning of science and mathematics.

We are currently accepting applications for new Fellows for Cohort VII. The Leadership Academy is especially seeking leaders of science and mathematics education reform efforts at the state, regional, or local levels, leaders from school districts and institutions of higher education, teacher leaders, leaders of school-university partnerships and/or leaders interested in starting a leadership development program in their own settings. We encourage applicants to consider applying with a colleague or as part of a team.

## WestEd's Leadership Academy Cont.

The Leadership Academy curriculum builds understanding of research and practice in the following areas:

- Tools and skills for planning and leading change efforts in science and mathematics.
- Effective leadership practices for quality mathematics and science learning.
- Skills for building and maintaining collaborative working groups to enhance science and mathematics teaching and learning.
- Protocols for examining student and school data to inform and guide sustained improvements.
- Strategies and tools to design, implement, and evaluate professional development programs.

The Leadership Academy is led by Co-Directors Katherine Stiles and Susan Mundry of WestEd. They are coauthors of *Leading Every Day: 124 Actions for Effective Leadership*, and the *Facilitator's Guide to Leading Every Day*. (This book was selected as a National Staff Development Council book of the year in 2003.) They also coauthored *Designing Professional Development for Teachers of Science and Mathematics*, the acclaimed book that changed how educators think about and provide professional development. They are joined by other outstanding professional developers to support the learning of all Fellows at the professional development workshops.

To become a Leadership Academy Fellow, each candidate must complete an application and submit two letters of recommendation: one from a supervisor and another from a colleague or a client. Additionally, applicants must submit a letter of commitment and financial support from their administrator, dean, superintendent, or CEO of their organization. Each Fellow agrees to:

- Participate in four Leadership Academy professional development sessions.
- Develop and carry out a Project Plan to apply leadership skills in your own setting.
- Participate in the electronic network.
- Form and conduct a Local Study Group with colleagues to spread learning to others.

The tuition for participation in Cohort VII is \$3,000 for the entire program. This includes all books and materials, breakfast and lunch at four three-day workshops, ongoing contact with Leadership Academy staff, and the cost of consultants/presenters. Applications are due January 8, 2007, with notification of candidate's acceptance by February 5, 2007, and full tuition due by March 1, 2007.

### **Annual Professional Development Workshop Schedule for Cohort VII**

#### **May 15 – 17, 2007**

Leadership Development, and Developing and Facilitating Collaborative Groups  
Seattle, Washington

#### **September 14 – 16, 2007**

Leading Individual and Organizational Change  
Boston, Massachusetts

#### **February 25 - 27, 2008**

Leading Others to Use Data to Guide Practice and Improve Student Outcomes  
Tucson, Arizona

#### **May 5 - 8, 2008**

Designing, Implementing, and Evaluating Effective Professional Development  
Miami, Florida

## **WestEd's Leadership Academy Cont.**

The Leadership Academy was developed with support from the National Science Foundation and the Susan Loucks-Horsley Educational Fund and through collaboration with the following organizations: National Research Council's Center for Science, Mathematics, and Engineering Education (CSMEE); National Science Education Leadership Association (NSELA); Council of State Science Supervisors (CSSS); Association for the Education of Teachers in Science (AETS); National Science Teachers Association (NSTA); National Staff Development Council (NSDC); National Council of Supervisors of Mathematics (NCSM); and Association of State Supervisors of Mathematics (ASSM).

**To receive an application package or to request additional information, please contact:**

WestEd  
Attn.: Deanna Maier  
622 North Country Club Road, Suite E  
Tucson, Arizona 85716  
Voice: 520.888.2838      Email: dmaier@wested.org

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**Start your New Year's Resolution Early!**

**The 2007 ASTE  
STS  
(Science Teacher Shuffle)  
3 mile Fun Run/ 2 mile Walk  
Thursday, January 4, 2007  
7 AM  
Hilton Clearwater Beach Resort**

Plan to join us for the second annual fun run/walk at the ASTE Conference in Clearwater! We'll be having a 3 mile fun run and a 2 mile walk on Thursday morning, January 4, at 7 AM. This is a low key event to help you mingle with other ASTERs in a different social setting. Please preregister so we have some idea of how many to expect. Questions? Contact Tisha Morrell at morrell@up.edu

The deadline for registration is December 30, 2006.

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## **ASTE Election Results**

Congratulations to all who participated the recent elections for the 2007 ASTE officers.  
Your newly elected officers are :

President Elect  
Warren DiBiase

Director at Large  
Randy Bell  
Kevin Finson

Elections Committee  
Kathy Cabe-Trundle  
Laura Henriques

NASRINE ADIBE  
1918-2006

The science education community mourns the passing of AETS member Nasrine Adibe, science teacher educator and Professor Emeritus at C. W. Post Center, Long Island University, New York. She died on Friday, September 22, from complications of pneumonia. In her 21 years at C. W. Post, where she taught science education and directed the Program in Science Education, Dr. Adibe taught teachers how to bring science to life at all levels, from K-12. Dr. Adibe served as education consultant on Long Island and in Oman and Yemen, and she was a Fulbright scholar in Bahrain in Spring 1994.

Dr. Adibe's enthusiasm for learning extended to her tireless participation in professional organizations. She was often invited to lecture on science instruction and on women's education; she organized conferences and regularly presented papers and workshops. She was most active in the National Science Teachers Association (NSTA), the Association for Supervision and Curriculum Development (ASCD), the Association for the Education of Teachers in Science (AETS), World Education Fellowship (WEF), the Society for Educational Reconstruction as well as local educational organizations. In 1986, she was elected Director of the Northeast Region of AETS, and in 1998, she received the AETS award for Outstanding Honorary Emeritus Membership.

**Please visit the the ASTE website and volunteer for one of our standing committees.**

Emails automatically are sent to me from the website. If you prefer you may email me at Janice.koch@Hofstra.edu. I look forward to working with you next year.

Janice Koch, President -elect ASTE

**2007 ASTE award winners**

**Award I - Outstanding Science Teacher Educator of the Year**

Award I, level 1	no award recommended
Award I, level 2	Jim Shymansky

**Award II - Outstanding Mentor Award**

Award II	Kenneth Tobin
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**Award III - Honorary Emeritus Membership**

Award III	No nominations so no awards
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**Award IV - Innovation in Teaching Science Teachers**

Award IV	William Straits and Sharon Nichols, on paper, "Using historical non-fiction and literature circles to develop elementary teachers' nature of science understandings"
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**Award V - Implications for Research and Innovations in Teaching**

Award V	M. Jenice Goldston and Sharon Nichols, on paper, "Narratives of community: Visualizing culturally relevant science pedagogy through the identities of black middle school teachers"
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Sincerely,  
Penny J. Gilmer



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**ASTE Promoting Leadership in, and support for those involved  
in professional development of teachers of science**

**ASTE Newsletter**

Published four times a year by the Association for Science Teacher Education. All members are invited to submit items.

**Issue Items due by**

Winter	Feb. 15
Spring	May 15
Summer	Aug. 15
Fall	Oct. 15

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**Remember:**

Please join us at the 2007 International Conference  
January 3-7, 2007 in Clearwater Florida.

**Also, Remember**

Don't forget to renew your annual membership for 2007. Membership applications may be completed through our new ONLINE membership form posted on the website <http://TheASTE.org>