



Developing a Competitive Application for the Shell Science Teaching Award

Presented by: Greer Harvell

September 26, 2012

6:30 p.m. – 8:00 p.m. Eastern time



Introducing today's presenters...

Greer Harvell





NSTA Shell Science Teaching Award



Promoting Excellence and Innovation in Science Teaching and Learning for All



Contents



- The Award
- Eligibility
- Award submission requirements
- Judging procedure
- Finalist expectations
- Lab Challenge brief





Poll Question



Are you planning to apply for the Shell Science Teaching Award?

A. Yes

B. No

C. Don't know yet



What is the Shell Science Teaching Award (SSTA)?



The Shell Science Teaching Award is an annual award presented to one K-12 classroom science teacher for exemplary science teaching and learning in a classroom setting.



What do you receive as a SSTA winner?



- Recognition as an exemplary K-12 classroom teacher of science
- Expense paid trip to NSTA National Conference on Science Education
- Recognized among the leaders of science at National Conference
- \$10,000 personal monetary award given at Teacher Awards Banquet
- Crystal clock



Who can apply for the SSTA?



- K–12 classroom science teachers
 - Classroom is defined as “in your environment”
- Major responsibilities include teaching science
- Taught for at least eight years, not including the current school year
- Must teach at a private or public school in the United States, U.S. Territories, Department of Defense schools, or in Canada

This award recognizes one outstanding classroom science teacher who has had a positive impact on his or her students, school, and community through exemplary science teaching.





Poll Question



How many years of experience do you have teaching science?

A. 0 – 5

B. 6 – 8

C. More than 9



Shell Science Teaching Award Selection Process/Timeline



Step 1: Application due	Due November 12
Step 2: Video - Ten Semifinalist	Due January
Step 3: Site Visit - Three Finalists	Due February



How do you apply for the Shell Science Teaching Award?



Visit www.nsta.org to download application. The application contains the following:

- Nomination Form
- Resume/Vita
- Schedule
- Science Teaching Philosophy
- Instructional Method
- Letters of Support
- Judging Award Panel Checklist



Application should reflect National Science Teaching Standards and must include the information listed above.





Your Application

Got it covered! - stamp a green check ✓

More prep/need help - stamp a red x ✗

Nomination Form	
Resume/Vita	
Schedule	
Science Teaching Philosophy	
Instructional Method	
Letters of Support	
Judging Award Panel Checklist	



How do you apply for the Shell Science Teaching Award?

Nomination Form




NSTA Awards

THE SHELL SCIENCE TEACHING AWARD

Name of Nominee _____
School Name _____
City _____ State _____ Zip _____
Home Address _____
Telephone (____) _____ FAX (____) _____ E-mail _____
Number of Years Nominee Has Taught Science (not including current year) _____
Signature of Nominee _____ Date _____
Name of Nominator _____ Title _____
Address _____
City _____ State _____ Zip _____
Telephone (____) _____ FAX (____) _____ E-mail _____
Relationship to Nominee _____
Nominator Signature _____ Date _____
Principal's Name _____
School Name _____
School Address _____
Telephone (____) _____ FAX (____) _____ E-mail _____
I have read and support the application to the best of my knowledge. I verify that the applicant will remain employed at my school for the 2007-2008 year.
Signature of Principal _____ Date _____

Send your original application and supporting materials with nine (9) copies by October 15, 2007 to
Shell Science Teaching Award
NSTA
1842 Wilson Boulevard
Arlington VA 22201-4302

Questions? Please visit our website at www.nsta.org/shell or e-mail awards@nsta.org



Tip: Be sure the application is signed!



How do you Apply for the Shell Science Teaching Award?

Resume/Vita - details teaching experience, professional activities, formal and continuing educations, awards, and publications



Tip: Use one-inch margins



How do you apply for the Shell Science Teaching Award?



Schedule (one week)

- Time (one sentence explanation)
- Subject
- Content/Thematic Base
- Student Demographics/Classification

Elementary Sample Schedule

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8am-9am	Reading	Reading	Reading	Reading	Reading
9:05am-10:00am	Science	Science	Science	Science	Science
10:05am-11:10am	Math	Math	Math	Math	Math
11:15am-12:10pm	Writing	Writing	Writing	Writing	Writing
12:10pm-12:45pm	Lunch	Lunch	Lunch	Lunch	lunch
12:45pm-1:35pm	Planning Special Area	Planning Special Area	Planning Special Area	Planning Special Area	Planning Special Area
1:35pm-2:15pm	Social Studies	SS	SS	SS	SS
2:20pm-3pm	Literature	Literature	Literature	Literature	Literature



How do you apply for the Shell Science Teaching Award?

Middle and High School Sample Schedule

A / B schedule



Time	Monday	Tuesday	Wednesday	Thursday	Friday
8am-9am	Chemistry lecture	Chem lab	Chem lecture	Chem lab	Chem lecture
9:05am-10:00am	Health 1	Health 2	Health 1	Health 2	Health 1
10:05am-11:10am	Alg I	Bio II	Alg I	Bio II	Alg I
11:15am-12:10pm	Chem lecture	Bio II lab	Chem lecture	Bio II lab	Chem lecture
12:10pm-12:45pm	Lunch	Lunch	Lunch	Lunch	Lunch
12:45pm-1:35pm	Chem lab	Tutoring	Chem lab	tutoring	Chem lab
1:35pm-2:15pm	Planning	Planning	Planning	Planning	Planning
2:20pm-3pm	Geophysics	Robotics	Geophysics	Robotics	Geophysics

Tips:

- Be concise
- Show in chart format



How do you Apply for the Shell Science Teaching Award?



- Science Teaching Philosophy - Your philosophy of teaching statement should reflect your personal values and the needs of your students and your department. With the following questions in mind: To what end? By what means? To what degree? Why?
- To what end? - What are your objectives as a teacher?
- By what means? - Explain specific strategies, techniques, exercises, and include both what you have used in the past and are planning for future courses.
- To what degree? - Discuss how you intend to measure your effectiveness vis a vis the objectives and methods you have outlined.
- Why? - What, to you, are the great and wonderful rewards of teaching?
- Example: www.celt.iastate.edu/teaching/philosophy.html



Tips:

- 1 page maximum
- Explain what you believe and why





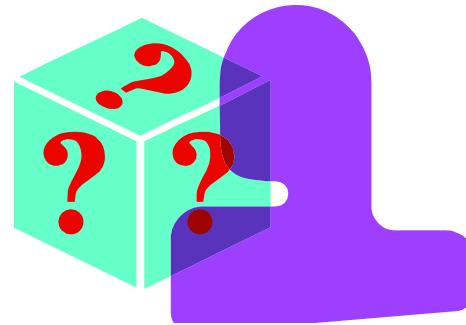
Your Application

Science Teaching Philosophy

4 volunteers – use text box tool

To what end? - What are your objectives as a teacher?	
By what means? - Strategies, techniques, exercises	
To what degree? - How you measure your effectiveness	
Why? – What are the rewards of teaching?	





Questions about the application?



How do you apply for the Shell Science Teaching Award?



- Instructional Method - Describe classroom activities that represent the nature of science; employ unique methods; increase knowledge; encourage scientific inquiry; make connections among science; show a connection to National Science Education Standards.

Tips:

- Be specific with examples
- Stay focused with descriptions
- Include community activities related to science education



THE SHELL SCIENCE TEACHING AWARD						
Official Scoring Guide						
Name:	_____					
School:	_____					
City/State:	_____					
All documents must be 12 point Times New Roman font, 8 1/2 x 11" white paper, 1" margins, double spaced						
Criteria	Not Present	Present	Weight	Score		
Nomination Form, completed and signed by nominee, nominator, and principal	No	Yes	1			
NSTA Shell Judging Award signed checklist	No	Yes	1			
Teacher Schedule - one week, including time, grade levels, and subject taught; brief description of course, and school demographics	No	Yes	1			
Criteria	Poor	Fair	Very Good	Superior	Weight	Score
Letter of Nomination (1)	1	2	3	4	X 1	
Rationale or Vite (two page maximum) (may be single spaced)	1	2	3	4	X 2	
Personal Science Teaching Philosophy (one page)	1	2	3	4	X 3	
Instructional Method and Classroom Activities (list represent the nature of science, increasing student knowledge and skills, employs unique methods, makes connections among science, the student's world, and the community, and encourages scientific inquiry and problem solving) (five pages including pictures)	1	2	3	4	X 5	
Letters of Support (three, each two page maximum)	1	2	3	4	X 3	
Total						
Comments: _____						

Judge: _____ Date: _____						





Your Application

Instructional Method



Classroom activities – stamp where you have good examples

Represent the nature of science	
Employ unique methods	
Increase knowledge	
Encourage scientific inquiry	
Make connections among science	
Show a connection to standards	



How do you apply for the Shell Science Teaching Award?



- Letters of Support
 - 3 letters from individual or groups
 - Letters should be written for Shell Award
 - Emphasize strengths and accomplishments of application
 - Letters must be signed and dated



Tips:

- Letters must accompany packet
- Use letterhead when possible
- 2 pages maximum





Poll Question



What type of community support do you have?

- A. None
- B. Minimal
- C. Moderate
- D. Excellent



How do you apply for the Shell Science Teaching Award?



- Video -Upon receipt of your written application, NSTA will notify you to begin developing a 30-minute video illustrating your classroom teaching practices.
- Ten semi-finalists will be selected to submit videos.
 - Brief introduction/overview
 - Lesson(s) demonstrating instructional methods emphasizing methods expressed in application, with teaching philosophy
 - Addresses learners' needs
 - Safety procedures
 - Student engagement
 - Assessment



Tips:

- Ensure sound and picture quality
- Accurately reflect what you want judges to observe
- Show student involvement
- Submit campus calendar





Your Application

Video



Use the chat window to discuss your ideas

- How will you introduce yourself in a unique way?
- How will the lesson you choose make you stand out?
- How can you show safety procedures and student engagement?
- How can you demonstrate assessment methods?



How do you apply for the Shell Science Teaching Award?



SITE VISIT

Ten semi-finalists will be reduced to three finalists for site visits.

NSTA schedules site visits.

Committee members will:

- Observe classroom environment and instruction
- Dialogue with administration, faculty/staff, students, parents (if applicable)
- Informal discussion with finalist



Tips:

- Classroom observation should reflect application and video
- Remember safety procedures
- Be natural, be yourself

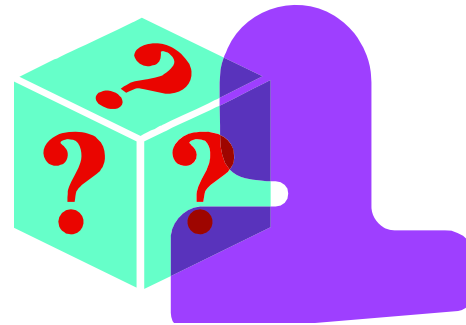


Shell Science Teaching Award Judging Process



- **Application** (due November 12)
 - Panel receives copy of all applications
 - Panel discusses and selects top ten applications as ten semifinalists
 - NSTA notifies semifinalists to develop video
- **Video** (due in January)
 - Panel receives all semifinalist videos via private YouTube
 - Panel discusses and selects three finalists
 - NSTA notifies finalists to schedule site visit
- **Site Visit** (due in February)
 - Panel visits each finalist on campus
 - Panel dialogues with learning community
 - Panel has informal discussion with finalist
- **Final Selection** (due in February)
 - Panel discusses three site visits
 - Shell Science Teaching Award recipient selected
 - NSTA notifies recipient and finalists





Questions about the process?



What do we look for in a Shell Science Teaching Award winner and classroom?



- Life-long learner
- Innovated thinker
- Passionate
- Focus on students
- Takes science into community
- Evidence of science standards
- Enhances curriculum with real world applications
- Inquiry-based instruction
- Content knowledge





Your Application

What the Judges Look For



Stamp the top 3 qualities that will shine through in your application

Life-long learner	
Innovated thinker	
Passionate	
Takes science into community	
Evidence of science standards	
Enhances curriculum with real world applications	
Inquiry-based instruction	
Content knowledge	



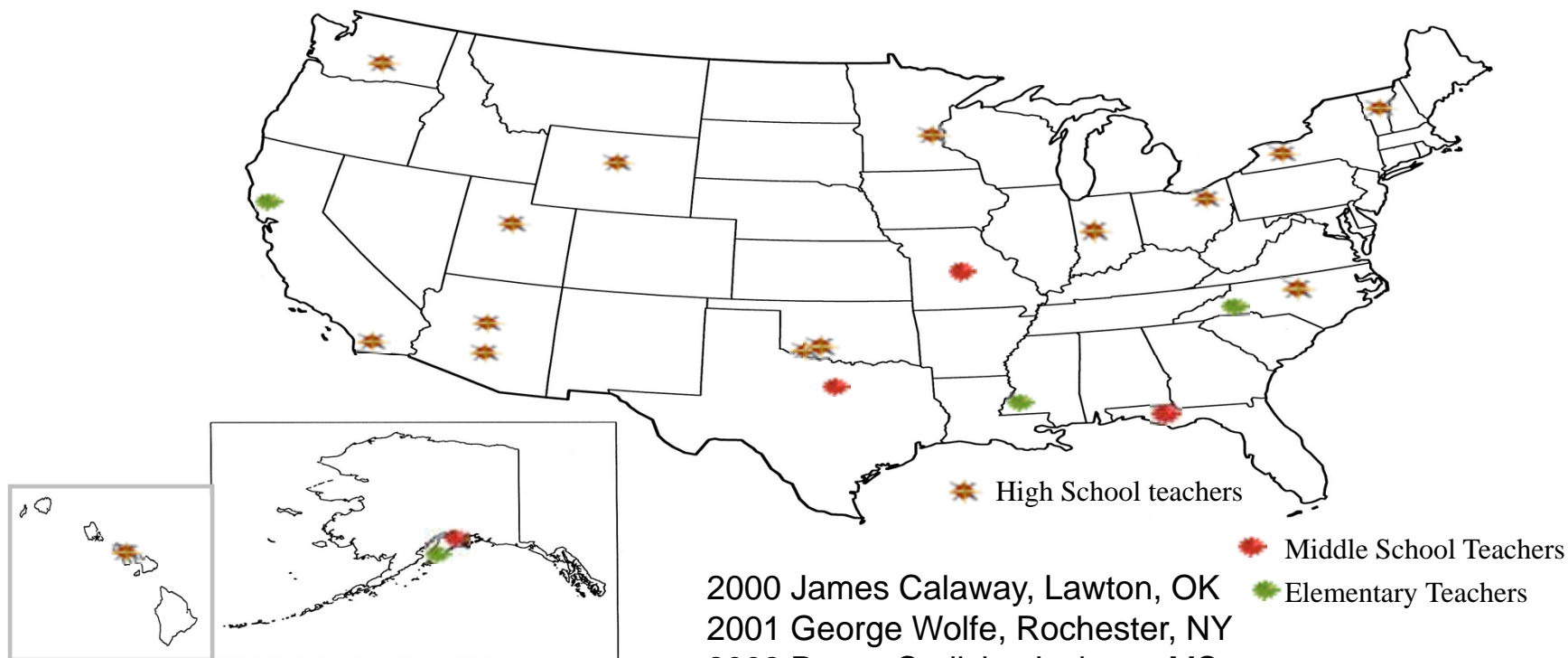
Expectations as a Shell Science Teaching Award Finalist



- Attend National Conference
- Attend Shell Science Teaching Award session and booth
- Be honored at Awards Banquet (Friday)
- Open to represent NSTA at fall regional conference
- Encourage others to apply for the Shell Science Teaching Award



Join the \$10,000 Winners!



Past Winners

1991 David Stanley Ely, S.Burlington, VT
1992 Alfred W. Guenther, Carson, CA
1993 Linda J. Preston, Park City, UT
1994 Patrick G. Ehrman, Yakima, WA
1995 Wayne O. Williams, Tempe, AZ
1996 Jeb Schenck, Thermopolis, WY
1997 Steven Brehmer, Rochester, MN
1998 Ursula M. Sexton, Danville, CA
1999 David S. Thompson, Flagstaff, AZ

2000 James Calaway, Lawton, OK
2001 George Wolfe, Rochester, NY
2002 Peggy Carlisle, Jackson, MS
2003 Carmela Minaya, Milani, HI
2004 Sheryl Sotelo, Soldotna, Ak
2005 Lawrence O'Flynn, Up. Arl., TX
2006 Janice D. Ward, Charlotte, NC
2007 Olga Gueits, Cleveland, OH
2008 Greer Harvell, Shalimar, FL
2009 Deb Cornelison, Ada, OK
2010 Tamica Stubbs, Charlotte, NC
2011 Susie Edens, Ada, OK
2012 Joseph Ruhl, Lafayette, IN



Submitting the Application



- Application must be received by November 12, 2012
- Submit your application and supporting materials to Shell Science Teaching Award at one of the following:
 - awards@nsta.org
 - Shell Science Teaching Award
NSTA
1840 Wilson Blvd.
Arlington, VA 22201

Upon receipt, applications become the property of NSTA. Applications will not be returned. Late applications will not be accepted.



Submitting Your Questions

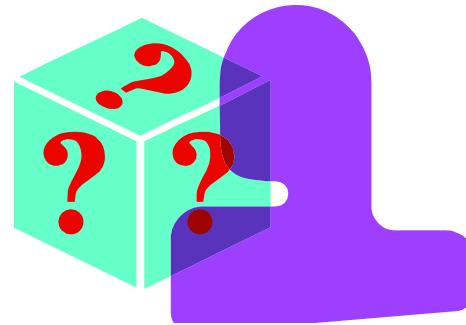


You can send questions after the web seminar to:
awards@nsta.org

Learn more at:

- www.nsta.org/shell
- www.shell.com/us/energizeyourfuture/





What else do you want to know?



Win a \$20,000 lab makeover
for your school!

Learn more about this rich
professional development
opportunity at

<http://shellsciencelab.nsta.org>





Thanks to today's presenter!

Greer Harvell





Thank you to the sponsor of today's
web seminar:



This web seminar contains information about programs, products, and services offered by third parties, as well as links to third-party websites. The presence of a listing or such information does not constitute an endorsement by NSTA of a particular company or organization, or its programs, products, or services.



National Science Teachers Association

Gerry Wheeler, Interim Executive Director

Zipporah Miller, Associate Executive Director,
Conferences and Programs

Al Byers , Ph.D., Assistant Executive Director,
e-Learning and Government Partnerships

Flavio Mendez, Senior Director, NSTA Learning
Center

NSTA Web Seminars

Brynn Slate, Manager

Jeff Layman, Technical Coordinator