

## DR. WENDELL G. MOHLING OUTSTANDING AEROSPACE EDUCATOR AWARD

2012: INFORMAL TEACHERS OF SCIENCE

### PROGRAM SUMMARY:

The Dr. Wendell G. Mohling Outstanding Aerospace Educator Award recognizes excellence in the field of aerospace education as outlined in the NSTA Position Statement on Aerospace Education. An award of \$3000 is given to the recipient, and up to \$2000 is provided to attend the NSTA National Conference on Science Education. The recipient of the Award will be honored during the Awards Banquet and the Aerospace Educators Luncheon at the NSTA Conference. This NSTA award is sponsored by Sally Ride Science.

The winning application will become part of the NSTA Web site and thus available for use by other aerospace educators. Award recipients agree to:

- ★ Correspond by email, and possibly other means, with aerospace educators to share experiences and information.
- ★ Provide NSTA answers to any questions regarding this application.
- ★ Attend the NSTA National Conference on Science Education Awards Banquet and Aerospace Educators Luncheon.

### ELIGIBILITY:

Both K–12 teachers of science in formal education settings (e.g., elementary, middle, high school) and educators in informal education settings (e.g., museums, government, science centers) are eligible to apply in alternating years. In 2013, only K–12 teachers in formal education settings will be eligible for consideration. In 2012, only educators in an informal setting will be eligible for consideration. Individuals nominated in formal education must have a minimum of 3 years teaching experience, and individuals nominated in informal education must have a minimum of 3 years in an informal setting. Self nominations will be accepted.

### CRITERIA FOR JUDGING:

Applications for this award will be judged on the following elements of a high quality aerospace education program (NSTA Position Statement: Aerospace Education, 2008). The applicant's aerospace education program should:

- ★ Foster observation, investigation, and creative thinking, promote scientific inquiry;
- ★ Address student outcomes and reflect the use of the most current information and research understandings in the field;
- ★ Provide opportunities to connect science educators and their students with the broader aerospace science and technology community;
- ★ Provide students with interdisciplinary, multicultural, and multi-perspective viewpoints to demonstrate how aerospace exploration and research transcends national boundaries;
- ★ Use appropriate technologies such as modeling, simulation, or distance learning to enhance aerospace education learning experiences and investigations;
- ★ Present a balance of aeronautics, space exploration, and robotics by offering a relevant context for learning and integrating STEM core content knowledge;
- ★ Support of National Science Education Standards;
- ★ Meet proper safety standards.



## AWARD SUBMISSION REQUIREMENTS:

- ★ Completed application form with both signatures (only one signature required for self nomination).
- ★ A narrative describing the nominee's service and leadership in implementing aerospace education; addressing the elements of a high quality aerospace education program as outlined in the Criteria for Judging, not to exceed 750 words (double spaced).
- ★ Evidence supporting your work as described in the narrative, not to exceed 3 pages, one side only (e.g., supplemental sample materials, documents, photographs, journal entries, student work, drawings, etc.); including a brief paragraph of explanation for each.
- ★ Three letters of support with at least one from an education colleague who can describe the merit of the applicant's work. Letters should not exceed two pages (single spaced) each. Letters of support should accompany packet. Letters sent separately will not be considered.
- ★ Attach a resume or vita, not exceeding two pages (single spaced), which includes a brief description of your teaching experience, education, and previous awards and recognition.
- ★ All correspondence must be in 12 point Times New Roman font.

Upon receipt, applications become property of NSTA. Applications will not be returned to applicants. Late or faxed applications will not be accepted. All material must be submitted at the same time using the online submission process established for this award. Completed applications must be received by November 30, 2009. Electronic submission is preferred.

## DR. WENDELL G. MOHLING OUTSTANDING AEROSPACE EDUCATOR AWARD 2012: INFORMAL TEACHERS OF SCIENCE APPLICATION

Name \_\_\_\_\_

Title/Affiliation \_\_\_\_\_

Work Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone (\_\_\_\_) \_\_\_\_\_ FAX (\_\_\_\_) \_\_\_\_\_ E-mail \_\_\_\_\_

Signature \_\_\_\_\_

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

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone (\_\_\_\_) \_\_\_\_\_ FAX (\_\_\_\_) \_\_\_\_\_ E-mail \_\_\_\_\_

Nominator's Name \_\_\_\_\_

Address \_\_\_\_\_

Telephone (\_\_\_\_) \_\_\_\_\_ FAX (\_\_\_\_) \_\_\_\_\_ E-mail \_\_\_\_\_

Signature \_\_\_\_\_

Send your original application and supporting materials to:

Aerospace Educator Award

NSTA

1840 Wilson Boulevard

Arlington, VA 22201-3000

Upon receipt, applications become the property of NSTA. Applications will not be returned to applicants. Late or faxed applications will not be accepted. All material must be sent in one envelope. Completed applications must be received by November 30, 2009. Electronic submission is preferred.

Questions? Please visit our website at [www.nsta.org/awards](http://www.nsta.org/awards) or e-mail [awards@nsta.org](mailto:awards@nsta.org).



## DR. WENDELL G. MOHLING OUTSTANDING AEROSPACE EDUCATOR AWARD 2012: INFORMAL TEACHERS OF SCIENCE

### CHECKLIST

Occasionally we receive entries that are incomplete or in which the applicant did not follow the specified guidelines. Entries that do not follow the stated rules for submission are disqualified, regardless of the merit or innovation of the entry. Make sure you and a colleague review the checklist below before sending in your application so you can ensure that your efforts will not be disqualified. Ensure that your application communicates the information you intend. Don't forget to check for correct spelling. Unless otherwise noted, all written components should be typed and double spaced, on standard 8-1/2" x 11" white paper, with 1" margins. The font is a standard 12-point size Times New Roman. If you have questions regarding your application, please e-mail [awards@nsta.org](mailto:awards@nsta.org).

Complete the list, sign it, and attach it to your application. Each entry includes

- A completed Dr. Wendell G. Mohling Outstanding Aerospace Educator Award application form signed by you and your nominator.
- A narrative describing: your service and leadership in aerospace education; the elements of your high quality aerospace education program, not to exceed 750 words (double spaced).
- Evidence supporting your work as described in the narrative, not to exceed 3 pages, one side only.
- Three letters of support, with at least one from an education colleague who can describe the merit of the applicant's work, not exceeding two pages each, single spaced.
- A resume or vita, not exceeding two pages, single spaced.
- Checklist, signed and dated.
- Application package is bound together with a binder clip (no presentation binders), if not sent electronically.

Please be advised that you may apply for more than one award; however, you are eligible to win only one NSTA award per year. Each application must be based on a unique program and process. Submission of the same idea and materials to different NSTA award programs will result in the disqualification of all applications. If your idea or project has received an NSTA award in the past, that idea or project is not eligible to receive an additional award. If you are selected to receive an award, NSTA must request and receive your social security number to issue a 1099 form to you. If your program is currently grant funded, confirm that you, as an individual, are eligible to receive a cash award. Your application will not be returned and becomes the property of NSTA. If you have received an award for this project from another provider, you must notify NSTA. If your application is selected to receive an award, NSTA reserves the right to reproduce information/photos/other content in promotional material and on the NSTA website. By submitting material that contains images of students and other individuals, you assume complete responsibility for obtaining appropriate release consent forms and permission to transfer these materials to NSTA. Electronic submission is preferred. Incomplete applications will not be considered.

Signed \_\_\_\_\_ Date \_\_\_\_\_

NSTA AWARDS – 2011/12 Dr. Wendell G. Mohling  
 Outstanding Aerospace Educator Award  
 Official Scoring Guide

Name: \_\_\_\_\_

City/State: \_\_\_\_\_

	Poor	Fair	Good	Very Good	Superior	Weight	Score
Nominee is in an informal education setting.							Y or N
Narrative (no more than 750)							Y or N
Three letters of support with at least one from an education colleague	1	2	3	4	5	X3	
Resume/vita	1	2	3	4	5	X2	
Fosters observation, investigation, and creative thinking ( <i>evidence of creative projects / activities</i> ).	1	2	3	4	5	X2	
Promotes scientific inquiry ( <i>evidence that students used scientific processes</i> ).	1	2	3	4	5	X2	
Addresses student outcomes and reflects the use of the most current information and research understandings in the field ( <i>evidence of increased student interest and knowledge in aerospace</i> ).	1	2	3	4	5	X2	
Provides opportunities to connect science educators and their students with the broader aerospace science and technology community ( <i>evidence of involvement with science and technology community</i> ).	1	2	3	4	5	X2	
Provides students with interdisciplinary, multicultural, and multi-perspective viewpoints to demonstrate how aerospace exploration and research transcends national boundaries ( <i>evidence of contributions of a broad range of individuals, historically, nationally, and internationally</i> ).	1	2	3	4	5	X2	
Uses appropriate technologies such as modeling, simulation, and distance learning to enhance aerospace education learning experiences and investigations ( <i>evidence of creative use of instructional technology</i> ).	1	2	3	4	5	X2	

Presents a balance of aeronautics, space exploration, and robotics by offering a relevant context for learning and integrating STEM core content knowledge ( <i>evidence of interdisciplinary content</i> ).	1	2	3	4	5	X2	
Supports National Science Education Standards ( <i>includes reference to National Standards</i> ).	1	2	3	4	5	X2	
Meets proper safety standards ( <i>includes some mention of safety issues</i> ).	1	2	3	4	5	X1	

*Italics* indicate suggested “look-fors”