



innovation in
education

2004 Intel ISEF Excellence in Teaching Award Application



**Deadline for Submission:
January 16, 2004**

2004 Intel ISEF Excellence in Teaching Award

Introduction

The Intel® Innovation in Education initiative has contributed more than \$700 million worldwide to improve the quality of mathematics, science, technology, and engineering education. The goal is to help students develop the higher-level thinking skills they need to participate in a knowledge-based economy and realize their full potential. As part of its initiative, Intel is proud to sponsor the Intel ISEF Excellence in Teaching Award. This award recognizes teachers who have demonstrated excellence in the teaching of project-based learning and provides them with an opportunity to share their program with a global audience at Intel ISEF in Portland, Oregon, USA, in May 2004.

Applicants are asked to submit an application that demonstrates the success of an existing program or method and a replication plan on how to share this program with other educators in their school district, county, state, or country.

A maximum of **five** teachers will be named as “Award Winners” and will receive an all-expense paid trip to Intel ISEF as well as a \$3500 cash award. At Intel ISEF, the five winners will attend the Intel Educator Academy and will present their method or program in workshops. Each winner will also have an opportunity to meet with Intel Foundation representatives to request funding for his/her proposal. Each winner can request up to \$10,000 (USD) for his/her proposal.

Enclosed you will find information on eligibility criteria and the application form. Entries must be submitted to the Intel ISEF Excellence in Teaching Award, Science Service, 1719 N Street, NW, Washington, DC 20036 by the **January 16, 2004 deadline** to be considered. These application materials are also available in an Adobe Acrobat Reader format via our Web sites at www.intel.com/education/ or www.sciserv.org/isef/teachers/tchaward.asp. For more information contact Jinny Kim at (202) 785-2255 or e-mail jkim@sciserv.org.

2004 Intel ISEF Excellence in Teaching Award Eligibility and Requirements

Eligibility

To be eligible, teachers must:

- Be actively teaching science or math in grades 9-12
- Support students' independent research and/or participation in science fair/competition
- Be an individual teacher, **or**
Be an individual submitting an application on behalf of a team of colleagues. The applicant should explain his/her leadership role in the project and in any plans for replication. Work done collectively or by others on the team should be properly credited. The applicant will be the only team member eligible to win the trip to the Intel ISEF.
- Submit a complete application by the **January 16, 2004** deadline.
Entries may NOT be sent via facsimile or email. Entries received after the deadline will not be accepted UNLESS 1) postmarked in a U.S. Post Office by January 10, 2004 OR 2) sent by a carrier that guaranteed in writing to deliver by the 6:00 p.m. EST deadline.
- Be able to attend Intel ISEF in Portland, OR, USA, from May 9-15, 2004 should applicant be named an Award Winner. The school will be reimbursed for substitute fees associated with the applicant's absence.

Application Requirements

- Part I. Application Form
- Part II. Method /Program Summary and Replication Plan
- Part III. Proposed Replication Budget Template
- Part IV. Letter(s) of Support
- Part V. Certifications of Applicant and Applicant's School Administrator

Method/Program

To qualify for this award, the method or program and its replication plan should meet the criteria listed below.

- 1) Program or method should actively use and promote project-based learning. The program or method should focus on more than just a single topic of science
- 2) Program or method should be currently in place and the proposal should demonstrate a means of replication that will benefit an increased audience
- 3) Program or method success should be documented as it pertains to the improvement of the quality of the projects and/or number of participants in science fair/competition or Intel ISEF-affiliated fairs. Overall success of the program should be emphasized, not an individual student project's success.
- 4) The budget should not exceed \$10,000
 - a) The budget may not include purchase of computer equipment or direct funding of a currently existing science fair
 - b) The budget must be expended by the end of the following school year (2004-2005)

DO NOT STAPLE

_____ Last Name

2004 Intel ISEF Excellence in Teaching Award Part I. Application Form

Please type or print answers to all questions. Do not staple pages together. Entries must be received at Intel Excellence in Teaching Award, Science Service, 1719 N Street, NW, Washington, DC 20036 by the **Friday, January 16, 2004 deadline**. Applications cannot be e-mailed or faxed. Late applications will not be accepted.

A. Applicant Information

Applicant Name: _____
First Middle Last

Home Address: _____

_____ City State Postal Code (Zip)

_____ Province Country

Home Telephone: () _____ E-mail: _____

Date of Birth: _____
month/date/year

College Board Code:

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 Public School: Private School:

School Name: _____

School Address: _____

_____ City State Postal Code (Zip)

_____ Province Country

School Telephone: () _____ School Fax: () _____

School Principal: _____

B. Classroom and Activities

Primary grades taught during the following school years:

2001/2002: 9 10 11 12 2002/2003: 9 10 11 12

Primary discipline taught: _____

Total number of years teaching: _____

Please provide a current Curriculum Vitae or Resume with experiences, awards and educational activities.

C. Short Essay Question

Briefly explain how your travel to the Intel ISEF could positively impact your professional development, your students, school, program, etc. If you have previous Intel ISEF experience, please address briefly. (Maximum 100 words)

Part II. Method/Program

To present your program or method, please answer the following questions. Type your responses using the word count designated below (double-spaced, 12 point font, no staples).

1. **Summarize and describe your innovative method or program that actively uses and promotes project-based learning.** The method or program should involve a broader focus than one area of science. (Maximum 500 words)
2. **Demonstrate the success or results of the method or program with examples.** Please express success as it relates to the improvement of the quality of the projects and/or number of participants in science fairs/competitions as well as any other indicators of success. (Maximum 300 words)
3. **Provide a plan for replicating and sharing your method or program with other educators, students, administrators, etc.** Please address the rationale, potential impact and reach of your proposed plan in your school, community, district, region, state or country. (Maximum 500 words)
4. Each winner will be asked to conduct a teacher workshop at the Intel ISEF about his/her program/method. This will be an opportunity for you to share your ideas with a global audience and to receive valuable feedback and ideas about your program/method. **Please provide a 100-word presentation summary of your program/method that would attract colleagues to attend.**

Part III. Proposed Replication Budget Template

1. **Describe how an Intel Foundation Grant of \$10,000 would contribute to improving/expanding your method or program.** Please also briefly explain current funding sources. (Maximum 250 words)
2. **Complete the budget template spread sheet.** The requested Intel Foundation monies may not exceed \$10,000. The budget may not include purchase of computer equipment or direct funding of a currently existing science fair.

Budget Template

Category Description	Intel Foundation Grant	School or School District	Other Funding (Specify)	GRAND TOTALS
Replication Staffing Costs				
Professional / Staff Development				
Substitute Teacher Time				
Equipment/Software (Other than computers or peripherals)				
Consumable Materials and Printing				
Curriculum Purchase				
Facilities/ Transportation				
Incentives				
Other Expenses (Specify)				
Total	\$10,000 USD (or less)			

*Matching funds are not a requirement of selection.

Budget Template Definitions

- **Replication Staffing Costs:** Any costs related to hiring staff to manage the expansion of the program.
- **Professional/Staff Development:** Costs involved in training or teaching educators that will allow them to better contribute to your program. This includes teacher training courses, manuals or software.
- **Substitute Teacher Time:** Cost of substitute reimbursement if developing your program requires you or others working on the program to take time away from your classroom.
- **Equipment/Software:** Cost of any lab equipment, office equipment, phone use, or computer software purchased to enhance the program.
- **Consumable Materials and Printing:** Costs associated with disseminating information for or about your program. For instance, cost of any consumable office supplies, printing, photocopying, or costs incurred for the production and mailing of pamphlets, worksheets or brochures either needed for the program or to promote the program.
- **Curriculum Purchase:** Cost of buying curriculum, lecture notes, text books, etc. to be used for your program.
- **Facilities/Transportation:** Cost of staff or student travel to and from the program location and the cost of facilities. It may also include personal travel as it relates to administering your program/method.
- **Incentives:** Cost associated with providing meals, snacks and other means of encouraging participants (prizes, t-shirts, etc.) during interactive portions of the program.

Part IV. Letters of Support

1. Administrator

As part of the application process for the Intel ISEF Excellence in Teaching Award, applicants are required to submit a letter of recommendation from an administrator to provide evidence that the school supports the application, travel to Intel ISEF and more generally, the program or method and replication plan as summarized in the application. Please provide a one-page letter on official letterhead and complete the contact information below.

The recommendation letter should address the administrator's experience with 1) the applicant's program or method 2) the applicant's teaching methods, innovation and energy, and 3) the potential impact of the applicant's program or method on the school, community, region or country.

2. Others

Additional letters from colleagues and/or students are welcomed, but not required.

Position: Student Teacher Administrator

 Name of Recommender

 Signature

 Date

 Home Address

 City

 State/Province

 Zip

 Country

 ()

 ()

 Home Telephone

 Work Telephone

 ()

 Fax Number

 E-Mail

Part V. Certifications

Teacher Applicant Certification

I certify that all of the information given in this entry is correct and has been completed by me. I further certify that I have read and fully understand the eligibility requirements and that I satisfy them. If selected as a winner, I agree to travel to the Intel International Science and Engineering Fair to be held May 9-15, 2004 in Portland, Oregon, where I will participate in the Intel ISEF Educator Academy and present a workshop.

I also hereby grant to Intel, Science Service, Inc. and their subsidiaries, affiliates and advertising, promotion and production agencies, and their respective assigns, permission to use my name and biographical information in advertising and promotional materials for purposes of advertising or promoting the Intel ISEF Excellence in Teaching Award. I acknowledge and agree that I will have no right of approval, no claim to any compensation, and no claim arising out of the use of my submission, name or biographical information in connection with the exercise of the rights granted to Intel and Science Service under this certification.

Signature

Date

Administrator Certification and Release

I have read the attached proposal and support this application. To the best of my knowledge, the work is that of the applicant. If this teacher applicant is selected as a winner, I am authorized to release him or her from teaching duties so that he/she may travel to the Intel ISEF from May 9-15, 2004. I understand that all expenses will be covered, including that of the substitute fees associated with the applicant's absence.

Signature

Date:

Deadline for All Entries is Friday, January 16, 2004

Entries may NOT be sent via facsimile or email. Entries received after the deadline will not be accepted UNLESS 1) postmarked in a U.S. Post Office by January 10, 2004 OR 2) sent by a carrier that guaranteed in writing to deliver by the 6:00 p.m. EST deadline.

Mail Entries to:

**Intel ISEF Excellence in Teaching Award
Science Service
1719 N Street, NW
Washington, DC 20036-2888**

Intel

The Intel ISEF Excellence in Teaching Award is part of the Intel® Innovation in Education initiative, which is a collaborative effort with educators and government leaders around the world to improve the quality to mathematics, science, technology, and engineering education. The goal is to help students develop the higher-level thinking skills they need to participate in a knowledge-based economy and realize their full potential. For more information, visit www.intel.com/education.

Science Service

A non-profit organization, Science Service has promoted public understanding and appreciation of science through publications, outreach, and science education programs for the past 83 years. A 2000 National Science Board Public Service Awardee, Science Service provides the following programs and publications:

- ♦ *Science News*, an international weekly news-magazine, reaches over 200,000 subscribers and 1.2 million readers. A recipient of the George Polk Award for Science Reporting, *Science News* provides a weekly overview of all fields of science and science applications.
- ♦ *Directory of Science Training Programs*
- ♦ Intel Science Talent Search
- ♦ Intel International Science and Engineering Fair
- ♦ Discovery Channel Young Scientist Challenge

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Science Service
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Washington, DC 20036
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email: sciedu@sciserv.org