2005 Intel International Science and Engineering Fair Teacher Survey

We are a team of researchers at Arizona State University. We are working with Intel to collect information about the Intel International Science and Engineering Fair and its influence on your teaching. Please take 5 minutes to answer some important questions that will help Intel understand the impact of their efforts. In appreciation of your time, after completing the survey, you can enter a contest for a **Dell™ Axim™ X30 Pocket PC.**

Official Contest Rules

Privacy Statement

Section 1

Please indicate your agreement with each of the following statements.		Strongly Agree	Agree	Disagree	Strongly Disagree
1.1	Intel ISEF and its affiliated fairs encourage my students to pursue excellence in science, mathematics, and/or engineering.	○	○	○	○
1.2	Intel ISEF and its affiliated fairs reward my students for excellence in science, mathematics, and/or engineering.	○	○	○	○
1.3	Intel ISEF and its affiliated fairs promote scientific inquiry in my school.	○	○	○	○
1.4	Intel ISEF and its affiliated fairs promote project-based science in my school.	○	○	○	○
1.5	I have changed the way I teach because of Intel ISEF and its affiliated fairs.	○	○	○	○
1.6	Other teachers at my school have changed the way they teach because of Intel ISEF and its affiliated fairs.	○	○	○	○
1.7	Students who work in an outside research lab have a competitive advantage over other students in Intel ISEF and its affiliated fairs.	○	○	○	○
1.8	Intel ISEF and its affiliated fairs motivate students to pursue careers in Science, Technology, Engineering, or Mathematics.	○	○	○	○
1.9	External competitions have had a positive effect on my teaching.	○	○	○	○
1.10	Because of the way I teach my classes, most of my students have the knowledge and skills to complete a satisfactory science fair project.	○	○	○	○
1.11	If there was no longer an Intel ISEF, but its affiliated science fairs continued, things would change in my school's science or mathematics programs.	○	○	○	○
1.12	If there were no longer any external science fairs, things would change in my school's science or mathematics programs.	○	○	○	○
1.13	Intel ISEF and its affiliated fairs promote collaboration between different departments (example: math and language arts) in my school.	○	○	○	○
1.14	Most science teachers in my school could effectively teach a science research class.	○	○	○	○
1.15	The administration in my school is supportive of my science fair related efforts.	○	○	○	○

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Section 2

Think about the students who have done well at Intel ISEF and its affiliated fairs. Indicate the importance of the following factors to their success.		Very Important	Important	Somewhat Important	Not Important
2.1	School environment	○	○	○	○
2.2	Classroom experiences	○	○	○	○
2.3	Internship/mentorships outside of school	○	○	○	○
2.4	Technology resources	○	○	○	○
2.5	Their Science/Mathematics teachers	○	○	○	○
2.6	Parental support	○	○	○	○
2.7	Their intelligence	○	○	○	○
2.8	Their work ethic	○	○	○	○
2.9	Their communication abilities	○	○	○	○
2.10	Their personal charm or charisma	○	○	○	○
2.11	Their ability to collaborate	○	○	○	○
2.12	Their willingness to take risks	○	○	○	○
2.13	Their tolerance for ambiguity	○	○	○	○
2.14	Their critical thinking skills	○	○	○	○
2.15	Their scientific and technological literacy	○	○	○	○

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Section 3

Please indicate your agreement with each of the following statements.		Strongly Agree	Agree	Disagree	Strongly Disagree
3.1	Most of the successful science fair students at our school have mentors.	○	○	○	○
3.2	Most mentored science fair students at our school are mentored by our school's teachers.	○	○	○	○
3.3	Out of school mentors are easy to find.	○	○	○	○
3.4	External mentors are not a realistic possibility for my students.	○	○	○	○
3.5	It is easy to place my students in out of school research labs.	○	○	○	○
3.6	Most successful science fair students at our school have a great deal of support from their parents.	○	○	○	○
3.7	Most of our successful science fair students have had middle school science fair experiences.	○	○	○	○
3.8	Teachers are essential in motivating students to participate in science fairs.	○	○	○	○
3.9	Most of our science fair students excel in their regular science classes.	○	○	○	○
3.10	I have the support of other teachers at my school in my science fair work.	○	○	○	○
3.11	I feel confident in my ability to assist students in the development of excellent science fair projects.	○	○	○	○
3.12	I would benefit in training about how to help students create excellent science fair projects.	○	○	○	○
3.13	Science Fair participation helps my students meet my state's standards or country's curriculum.	○	○	○	○
3.14	Science Fair participation prepares my students for university entrance exams.	○	○	○	○

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Section 4

Think about all your students that worked on science fair projects this year. Please indicate how difficult the following tasks were for those students as they did their science fair projects?		Very Difficult	Somewhat Difficult	Easy	Very Easy
4.1	Consulting literature	○	○	○	○
4.2	Choosing a problem	○	○	○	○
4.3	Identifying variables	○	○	○	○
4.4	Developing hypotheses	○	○	○	○
4.5	Collecting data	○	○	○	○
4.6	Getting accurate measurements	○	○	○	○
4.7	Statistical analyses (descriptive, inferential, multivariate)	○	○	○	○
4.8	Analyzing data	○	○	○	○
4.9	Obtaining adequate controls	○	○	○	○
4.10	Forming conclusions	○	○	○	○
4.11	Creating display boards	○	○	○	○
4.12	Preparing to explain their projects to judges	○	○	○	○
4.13	Finishing the project	○	○	○	○
4.14	Completing paperwork	○	○	○	○

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Section 5

5.1	What subject do you **primarily** teach?	-- -- -- -- -- -- --
5.2	How many years have you taught that subject?	years
5.3	How many years total have you been teaching?	years
5.4	How old are you?	-- -- -- -- -- -- --
5.5	What is the highest degree you hold?	-- -- -- -- -- --
5.6	Do you have a degree or certification in the primary subject you teach?	○ Yes ○ No
5.7	How many years as a teacher have you done science fairs?	years
5.8	In this academic year, how many competitions lead to your students' involvement with Intel ISEF?	-- -- --
5.9	Approximately how many students competed in your schools' science fair?	students
5.10	Approximately how many students competed in your regional science fair?	students
5.11	Please indicate in which of the last ten years you have had a finalist at Intel ISEF:	☐ 1996 ☐ 1997 ☐ 1998 ☐ 1999 ☐ 2000 ☐ 2001 ☐ 2002 ☐ 2003 ☐ 2004 ☐ 2005
5.12	Did you participate in science fairs as a student?	○ Yes ○ No
5.13	Did you participate in Intel ISEF as a student?	○ Yes ○ No

5.14	Does your school have special programs/clubs to help students succeed in science fairs?	◯ Yes ◯ No
5.15	Does your school offer research classes designed to help students succeed in science fairs?	◯ Yes ◯ No
5.16	Did you teach or facilitate a research class, club, or program this semester?	◯ Yes ◯ No
5.17	Over the past five years, please indicate your participation in professional development workshops that addressed these topics. **(Check all that apply.)**	☐ Project-based learning ☐ Problem-based learning ☐ Inquiry ☐ Problem solving ☐ Science fairs ☐ General teaching methods ☐ Classroom management ☐ Standards-based instruction
5.18	How would you characterize the relationship between the academic standards of your state or country and your students' science fair projects?	-- -- -- -- -- --
5.19	How would you characterize your school setting?	◯ Rural ◯ Urban ◯ Suburban
5.20	If you were in charge, what is the most important thing you would do to improve Intel-ISEF and its affiliated fairs? (maximum of 250 characters)	
5.21	Your gender	◯ Male ◯ Female
5.22	Your country	United States Canada Mexico Afghanistan Åland Islands Albania
5.23	If you live in the United States, please tell us your ethnic heritage:	----------

To enter a contest for a Dell™ Axim™ X30 Pocket PC, please supply your name and email address. **NOTE: Your name and email address will not be associated with your previous answers when the data are analyzed nor will it be used for any other purpose except administering this contest. Resubmitting your survey answers WILL NOT increase your chances of winning the contest. Click here for full contest rules. Click here to view the privacy statement.**

Name:	
Email Address	
Confirm email Address	

Submit