

Invention Convention 2011



Rochester Region – Finger Lakes

Invention Convention 2011 (IC 2011) is designed to encourage scientific problem -solving in students of all ages, as well as to promote creative thinking. It is even more important to stress that thinking of a solution for a problem can also be fun and intriguing. Designing a new invention or a new process can be a valuable and enjoyable way to develop skills of creative problem-solving that can be used for years to come. Parents and teachers are urged to become involved and to help their students along the way in the invention process.

Entering your student inventions:

Every student entering the competition must fill out their own **Student Invention Disclosure Form which includes a description and sketch of their invention**. It is important that the entry forms and drawings are as clear as possible. Presentation is an important part of the application since the judges will be more inclined to select an invention that is **clear and understandable**. Make sure that the Student Invention Disclosure Form is **signed by a parent or guardian**.

Please submit all your forms to:

Invention Convention 2011 Entries
Attn: Calvin Uzelmeier/Anna Rivoli
Rochester Museum and Science Center
657 East Avenue
Rochester, NY 14607-2177

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What is Invention Convention 2011?

Invention Convention 2011 (IC 2011) is a New York statewide invention education program for public and private school students from grades 1-8. The goal is to stimulate the development of students' creativity and imaginations, thereby building a new generation of American inventors. Regional competitions are held in the Capital District, Binghamton, Buffalo, Syracuse and Rochester.

How can Invention Convention help my students and my teaching?

Invention Convention is designed to encourage scientific problem solving as well as to promote creative thinking. Involving students in a creative and challenging project that requires them to think about a problem and then to develop a product that solves that problem **requires many skills**, including:

- Creating and Participating in the Arts (**Arts 1**)
- Listening, Speaking, Reading, and Writing for Understanding (**ELA 1**)
- Knowing and Using Arts Materials and Resources (**Arts 2**)
- The Understanding of Common Themes that connect math, science, and technology. (**MST 6**)
- Career development (**CDOS 1**)
- Analysis, Inquiry, and Design (**MST 1**)
- Integrated Learning (**CDOS 2**)
- The use of Information Systems (**MST 2**)
- Foundation Skills (**CDOS 3a**)
- Mathematics (**MST 3**)
- An Understanding and application of Science (**MST 4**)
- Interdisciplinary Problem Solving (**MST 7**)
- The Understanding of How to Create and Maintain a Safe and Healthy Environment. (**HPEHE 2**)
- The application of technological knowledge and skills to design, construct, use, and evaluate products and systems to satisfy human and environmental needs. (**MST 5**)

The opportunity to meet so many New York State Standards using **inquiry-based** teaching allows for a fun, constructive, and efficient use of class time that will form long-lasting memories of success and fulfillment with your students.

How can I get involved?

A copy of the **Student Invention Disclosure form is attached** to this packet following these two pages. It is also available for downloading at <http://www.icideasny.com>.

The form may also be requested from the Rochester Museum & Science Center by calling Calvin Uzelmeier at 271-4320, Ext. 344.

Student Invention Disclosure forms must be submitted **by March 30th, 2011**. The form should be submitted as two separate pages. **Students may not submit more than one Student Invention Disclosure form**. Entries are then reviewed by a panel of judges, which includes members of local patent law associations, scientists, educators and other patent professionals.

Once the disclosures have been submitted, participants are **invited to build a model of their invention for display** during the Rochester Regional Invention Convention, held on **Saturday May 14th at RMSC**. At this regional ceremony, judges, including patent attorneys, local inventors, and scientists, walk and talk to the students about their inventions. The 25 regional finalists will be chosen to receive medals for State recognition.

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Student Invention Disclosure Form page 1



Rochester Region – Finger Lakes

Title of Invention: _____

Inventor's Name: _____

Street Address: _____

City, State, Zip: _____

Phone: _____ E-mail: _____

School Name: _____ Grade: _____

Teacher's Name: _____

Date of Invention: _____ Your Local Newspaper: _____

To the best of my knowledge, I am the first and sole inventor of the invention described herein.

Student **Inventor's** Signature: _____

Date: _____

I understand that my child's invention is not legally protected by this disclosure and that if such protection is desired in the U.S. a patent application must be submitted to the **United States Patent and Trademark Office (PTO)** within one year of the date that the invention was publicly disclosed. Within the one-year period, I will take appropriate steps if I decide to pursue legal protection of the invention. I also agree to hold the member Intellectual Property Law Associations and Invention Convention sponsors harmless from any action resulting in loss of patent rights due to disclosure of the invention as part of the above-identified program. The member Intellectual Property Law Associations and Invention Convention sponsors may use my child's invention, name and photographs to publicize this program.

Student Invention Disclosure Form page 2

Parent or Guardian's Name (**Please Print**): _____

Parent or Guardian's **Signature**: _____

Date: _____

Title of Invention: _____

Problem Statement:

Description of Solution:

Diagram of the Invention:

Please use pen on these pages. If above area is too small; attachments, including extra pages, drawings and photographs will be accepted. Do NOT write your name on any page except pg. 1
Mail this form to:

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