

Invention Convention 2010

Rochester Region – Finger Lakes



Invention Convention 2010 (IC 2010) is designed to encourage scientific problem solving in students of all ages, as well as to promote creative thinking. However, 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 help the 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. Examples are provided on the last page of this packet. 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 students forms to **Calvin Uzelmeier and Anna Rivoli** at the address below:

Invention Convention 2010 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 2010?

Invention Convention 2010 (IC 2010) is a New York statewide invention education program for public and private school students from grades 1-9. 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 promote creative thinking. Involving students in a creative and challenging project that requires them to think about a problem and then develop a product that solves that problem requires the practice of 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 within your students.

How can I get involved?

The timeline will move along the following lines:

A copy of the ***Student Invention Disclosure*** form is attached to this packet is available for downloading at <http://www.icideasny.com/> or at the Rochester Intellectual Law Association's website (www.ripla.org). They may be requested from the Rochester Museum & Science Center (Calvin Uzelmeier at 271-4320, Ext. 344).

Student Invention Disclosure forms must be submitted by March 30th, 2010. 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 15th at the Strassenburgh Planetarium located at RMSC. At the regional ceremony, judges including patent attorneys, local inventors, and scientists walk and talk to the students about their inventions. Each region sends its 25 regional finalists to the State wide Invention Convention, which will be held in Rochester at a later date