



Dear Educator,

Enclosed you will find a packet of materials for Invent Idaho 2010. They include:

- Invent Idaho Rules, Judging Criteria and Categories.
- A summary information sheet including preliminary details of the State Final Invent Idaho at DCI in March.
- A suggestion sheet for guiding work on student journals.
- Intent to Register forms for the regional conventions for both schools and districts. These are due by December 1, 2009.

The Intent to Register form, along with registration fee for either a school or district, must be mailed to the Registration Center of the appropriate region. This form and fee are due **December 1, 2009**. This form is to hold a space for your school or district for the Regional Invent Idaho.

I invite you and your students to participate in this program to recognize the outstanding creativity of Idaho youngsters. Inventing in the classroom allows you to present a truly integrated program for your students: the design technology, prototyping and testing elements meet science standards, journaling links to language arts standards, and math and humanities standards are addressed by technical drawing and model building. In this time of increasing attention to testing, standards and curriculum mandates, it's refreshing to have a program that covers so many bases while encouraging higher-order thinking, ingenuity and imagination.

Sincerely,
T. Woody Sobey
DCI Education Director
w.sobey@scidaho.org

Invent Idaho 2010

Invention Categories

All inventions may be conceived, designed and entered by *individuals or pairs* in any of the following categories.

WORKING MODELS

This category includes projects where students have produced a scaled model or sample of the invention that really works, in addition to accomplishing the stated goal.

NON-WORKING MODELS

This category is for inventions that would be too large, expensive or technical to build. Entries in this category must be more than just a drawing; each entry must include a "blueprint" as well as a three-dimensional model or sample.

ADAPTATIONS

This is an invention which takes an idea already in existence and improves upon it. Again, a sample or model of the adaptation is required.

GAMES

This category may include original computer games designed and programmed by the student, board games of the student's own creation, or a sport/athletic activity originated by the student. Examples of computer disks and/or the board games, as well as thoroughly explained rules, are necessary. If computer games are designed, the inventor will need to provide the computer for judging.

JULES VERNE!!

This category encompasses all those projects that would fit into any other category but are too wild and crazy or fanciful and far-out to be judged against more practical inventions. This is the fantasy category and will be judged heavily on imagination. Rube Goldberg entries and future space ideas are examples of projects for this category. All projects must be accompanied by at least a neat, fully-detailed 8.5" X 11" sheet drawing and 3-D model to represent the invention/idea.

"Imagination is more important than knowledge"

~ Albert Einstein



**Invent
Idaho!**

INVENT IDAHO Rules

- The Invention must be student initiated: Help from parents or friends is acceptable but must be fully documented in an Inventor's Journal.
- The overall theme of the invention must enhance the quality of life and be humane.
- Each invention must include a model or the actual invention.
- *A free-standing display (not wall poster) is encouraged. Display must include name of inventions, blueprints, goal or problem it solves, and how it works/solves problem.*
No student names/faces/schools on project, worksheet, journal or free-standing display
- Cost of new materials, not to exceed \$15.00, **including free standing display, and all sales receipts must be attached to the journal or display.**
- An inventor's journal **must** accompany the invention. This allows students to document the inventing process and show judges they have met the criteria below.
- **Inventions in any category may be entered by individuals or pairs. Mixed grade pairs must register in the grade division of the oldest member.**
- Inventions from prior years will not be accepted.
- All inventions will be judged by the same criteria.

INVENT IDAHO Judging Criteria

<u>Originality</u>	35 points total
<i>Project represents original, creative thought, is a unique solution.</i>	
<u>Shows student initiative</u>	25 points total
<i>Model, presentation and journal demonstrate how student originated idea and was main contributor to the project. Journal documents student initiative and the inventing process, from brainstorming, through prototyping, to final project.</i>	
<u>Accomplishes a stated goal, problem or objective</u>	10 points total
<i>Project accomplishes goal, problem or objective stated on inventor's worksheet.</i>	
<u>Visual presentation</u>	15 points total
<i>Project and/or display is eye-catching, attractive and neatly done. (7pt) Display includes name of invention, goal, how it works, blueprint. (8pt)</i>	
<u>Research and documentation</u>	15 points total
<i>Journal and/or display documents research related to topic and existence of similar inventions. (12 pt) Provides receipts and notes showing evidence of staying under \$15 in new materials. (3pt)</i>	

100 points total

Invent Idaho 2010

Summary Information

Regional Competitions

Schools and districts register for one of the three regional Invent Idaho events. Inventions are selected from the regionals for the state final. Homeschool groups may register as schools (virtual schools may register as one school in each of the three regions.) Please review district and school entry forms for details.

North Idaho Regional: Feb 12 - 14 Silver Lake Mall, Coeur d'Alene

East Idaho Regional: Feb 19 - 20 Eastern Idaho Tech., Idaho Falls

SW Idaho Regional: Feb 19 - 20 BSU College of Engineering, Boise

Please double check with Regional coordinators on dates and locations

Inventions are accepted for the regional Invent Idaho in one of the following categories:

Working Models • Non-Working Models • Games
Adaptations • Jules Verne!!

Grade level divisions are as follows:

1st & 2nd

3rd & 4th

5th & 6th

7th & 8th

Regional Coordinators:

Northern Idaho

Beth Brubaker

Lakeland Junior High

P.O. Box 98

Rathdrum, ID 83858

(208) 687-0661(w)

(208) 687-1510 (fax)

bbrubaker@lakeland272.org

Southwestern Idaho

DCI Staff

Discovery Center of Idaho

131 W Myrtle St

Boise, ID 83702

(208) 343-9895 (w)

(208) 343-0105 (fax)

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Eastern Idaho

Jennifer Cook

Blackfoot Sixth Grade

50 S. Shilling Ave.

Blackfoot, ID 83221

(208) 785-8838 (w)

(208) 785-8840 (fax)

cookjen@d55.k12.id.us

State Entry Forms will be distributed by regional coordinators to students who qualify at regional conventions. **Inventions qualify at regional by placing in one of the following ways:**

Best of Show - Primary level (grades 1 - 4)

Best of Show - Intermediate level (grades 5 - 8)

Best of Category

1st and 2nd in Category/Grade Level Divisions

Inventions must be preregistered for the state competition by February 27th.

Walk-in entries will not be allowed or displayed. *Teachers who collect these state entry forms for students who are not in attendance must be sure to deliver them to students/parents immediately.*

State Final

The Invent Idaho State Final will be held at the Discovery Center of Idaho.

Invention set-up will be on Friday afternoon, March 12th with the Awards

Ceremony at 3 pm Saturday, March 13th. Inventions **must** be present until end of ceremony to receive award.

State Registration deadline: February 27th, 2010.

Inventor's Journal or Log

The following ideas can be used as the basis for your journal or log which documents the inventing process

Please include these ideas in your inventor's log:

- All entries should be dated and initialed by inventor. Initials allow you to sign your work but still remain anonymous to judges.
- Document how your idea unfolded through detailed writing and many rough blueprints that show how your idea took shape.
 - Brainstorm/list different ideas for inventions.
 - Narrow those ideas down by circling, starring or underlining your favorite three ideas.
 - Draw rough blueprints of possible inventions for each of those ideas. Title each blueprint. Label each blueprint part.
 - Research each invention to find out if it is original and new. If you go online, print web pages showing what inventions you looked at, document what sources you used, who you talked to, etc.
 - Choose your favorite original, new invention from the three you drew.
 - If you learn something new to make your invention, document who taught you, what they taught you and how you participated in the learning.
 - If someone makes part of the invention for you because it is unsafe for you to make it all by yourself, document who did this, what they did and how you helped, if at all.
 - Research and document how to turn this blueprint into a model. Stay within the cost range. Look for ways to use salvaged items with your new invention.
 - Write in your inventor's log any idea in the inventing process that didn't work out but helped you go on to create your invention.
- Brainstorm/list many ideas for a name, choose your favorite.
- Brainstorm/list ideas for logos. Include drawings of your favorites and choose the best one.

Regional Convention Intent to Register Form



(Homeschool groups may register as schools)

Who will be the primary contact with the regional convention?

Contact Name: _____ Contact Title: _____

Mailing Address: _____

Work Phone: _____ Home Phone/Mobile: _____

Fax: _____ e-mail: _____

School/District Information

School/District Name: _____ District #: _____

(From Idaho Educational Directory)

School/District Address (If different from above): _____

School/District Phone: _____ Fax: _____

Please be sure the addresses above are complete, including both contact and school, if different. They will be used both for this year's convention, and to provide you information about Invent Idaho in future years.

Please register our school/district for participation in the _____ Regional Convention of Invent Idaho. Our check for \$20 (up to 15 inventions for school entry) or \$50 (up to 45 inventions for district entry) is enclosed. I understand that we must return the invention tracking sheet our regional coordinator provides by the deadline they designate, and that we must provide 2 - 3 adult volunteers to help on the day of the convention.

(If more than three schools in a district are participating, register as a district.)

Adult Volunteers we will provide the day of the convention:

<u>NAME</u>	<u>PHONE</u>
_____	_____
_____	_____

Mail this completed entry form and fee to the appropriate contact person below:

Make checks payable to Invent Idaho

Northern Idaho	Southwestern Idaho	Eastern Idaho
Beth Brubaker	DCI Staff	Jennifer Cook
Lakeland Junior High	Discovery Center of Idaho	Blackfoot Sixth Grade
P.O. Box 98	131 W Myrtle St	50 S. Shilling Ave.
Rathdrum, ID 83858	Boise, ID 83702	Blackfoot, ID 83221
(208) 687-0661(w)	(208) 343-9895 (w)	(208) 785-8838 (w)
(208) 687-1510 (fax)	(208) 343-0105 (fax)	(208) 785-8840 (fax)
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