

CALLING ALL INVENTORS!

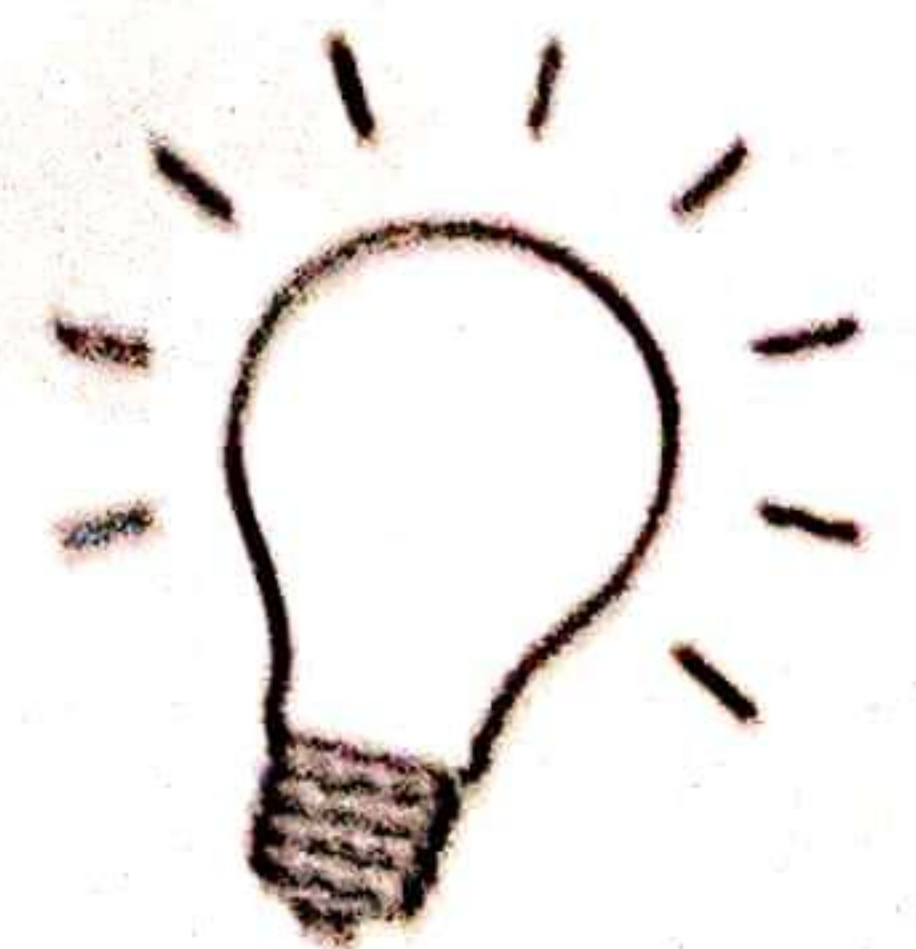
Invention Convention is coming to Ridglea Hills! Your next big Idea is waiting to be shared!

Invention Convention is a project designed to help students learn problem-solving skills through the invention process. You can develop an original idea for an invention and have an opportunity to receive recognition and awards!

If you would like more information or wish to participate, please see Miss Chapman in Room 123 for an info packet and parent permission slip.

Permission slips are due by October 28th
Invention Convention will be held
and judged on November 15th! Campus winners
will advance to District Competition!

WE CAN'T WAIT TO SEE
WHAT YOU INVENT!



A. Cotton

**FORT WORTH INDEPENDENT SCHOOL DISTRICT
INVENTION CONVENTION
Official Judging Rubric**

ORIGINALITY

The innovation or invention shows uniqueness, novelty, creative thought, attractive presentation. Work is legible, and expresses the ideas of the inventor. 20 _____

USEFULNESS

The innovation or invention has a market. Students have thought of who/how they might market their innovation or invention. "Something else I want the judges to know" form 20 _____

WRITTEN DESCRIPTION*

The description of the innovation or invention clearly explains the invention. The problem is clearly stated and supported with a clear explanation of how the innovation or invention solves the problem. 30 _____

ILLUSTRATION

The illustrations a clear, attractive visual explanation of the student's idea. All parts are labeled and the illustration is complete. 10 _____

RESEARCH

The research reflects the comprehensive research done by the student to support his/her claim for the need of the innovation/invention. 20 _____

TOTAL POINTS

_____/100

*Gr. 4-7 Written Description judged for content, expression of idea, and legibility.

* Gr. K-3 Written Description judged for content only.

Teachers or parents may assist in writing the Written Description, however:
IDEAS AND CONTENT MUST BE THE STUDENT'S OWN.

DISTRICT INVENTION CONVENTION 2019-20

The Fort Worth Independent School District Invention Convention is a program focusing on inventive thinking and creativity, providing students with opportunities to learn and apply critical thinking skills. Students are encouraged to think of a problem affecting daily lives of themselves or others and apply problem solving skills to invent a workable solution/prototype to alleviate the need.

We are collaborating once again this year with Imagination Fort Worth, with the element of the arts as applied to the sciences. Think of it as the "art-minded scientist" or the "science-minded artist." Creative, ingenious minds such as Leonardo da Vinci, Michelangelo, W.A. Mozart, Ludwig Von Beethoven, J.S. Bach and countless other great artistic minds set precedence for this aspect of creative invention.

With the inclusion of the category of inventions in arts and sciences, inventors may bring aesthetic quality or enhancement of life through either tangible or non-tangible inventions. The problem-solving activities, products and other outcomes will allow students to apply problem-solving skills in many academic areas, including the arts.

Participation - Grades K-7; Campus winners advance to District Invention Convention. Awards include ribbons, trophies and cash prizes. Again this year, two cash grand-prizes will be offered. Imagination Fort Worth will present one \$250 cash prize for the category of arts-minded science invention, and they will present one \$250 prize for the category of science-minded arts invention. An open house is held displaying the projects following judging, immediately followed by a reception and ceremony to announce and honor the winners.

Cost - There is no cost for participation in the local program. Students may spend a maximum of \$25.00 on supplies, but students are encouraged to use materials they already own, or from the natural world.



INVENTION CONVENTION

RULES FOR THE CONTEST

1. The only items that may be submitted by students are inventions and innovations. Inventions are defined as useful things, which have not previously been made. Innovations are defined as new products, processes or services or an improvement of existing products, processes, or services. If a product/item already exists, *the invention must be an improvement on how the existing product/item works.*
2. A student must submit a signed parent permission slip allowing participation.
3. Students should obtain an official FWISD Invention Convention Entry Form from the school.
4. Submit the completed entry form to the classroom teacher, along with a written description, drawing (Forms 4A, 4B, and 4C), and model.
5. The school selects a maximum of one winning class project per grade level for K-2, three winning individual projects from grades K-2, and three winning individual projects from grades 3-5. Middle schools may submit one entry from each Science class participating in the school-based contest or up to five entries.
6. All projects are **individual**, except for the class project. All projects that are entered in the District Invention Convention Competition **must be on triptychs**. Poster boards will **not be accepted**. (Miss Chapman can provide you with a triptych board)
7. Students will submit a model of their invention with the official entry form signed by the campus coordinator (Miss Chapman). Completed models may be no larger than 3'x3'x3'. Displays must include Written Description and Drawing of the invention. **NO NAMES OR PICTURES OF THE STUDENTS OR FAMILY MEMBERS OR ANY BODY PART MAY APPEAR ON THE DISPLAY.** This is to ensure that all projects are judged fairly. It is highly recommended that all projects have a log book where all rough drafts can be viewed. This may be placed in front of the object. (Please be sure there are **NO NAMES**.)
8. All entries will be judged based upon the following criteria:
 - A. Originality
 - B. Usefulness
 - C. Written Description
 - D. Research
 - E. Illustration
9. It is clearly and fully understood that the student and his/her parent(s) or legal guardian(s) will hold harmless the Fort Worth Independent School District and its designees for any property loss or injury generated by or resulting from the entry.
10. **NO ENTRY MAY EXCEED A SPENDING LIMIT OF \$25.00.** All costs should be documented in the student's log and the Written Description page.

ALL DECISIONS MADE BY THE JUDGES ARE ABSOLUTE AND FINAL.

FORT WORTH INDEPENDENT SCHOOL DISTRICT
INVENTION CONVENTION
Parental Permission/Release Form for Participation

I hereby acknowledge that I have received, and read a copy of information, including the Rules, for the Fort Worth Independent School District Invention Convention Contest.

I am aware that my son/daughter _____ was to be completely informed about the Invention Convention purpose and process prior to being permitted to bring this information to me for my approval/disapproval.

I further acknowledge that I completely understand all the rules specified in the Invention Convention Contest.

IT IS CLEARLY UNDERSTOOD THAT IF A STUDENT PARTICIPATES IN THE "INVENTION CONVENTION", THE STUDENT AND HIS/HER PARENT(S) OR LEGAL GUARDIAN(S) WILL HOLD HARMLESS THE FORT WORTH INDEPENDENT SCHOOL DISTRICT, BOARD AND ITS DESIGNEES FROM ANY PROPERTY LOSS OR DAMAGE, PERSONAL INJURY, DEATH OR OTHER LIABILITIES GENERATED BY OR RESULTING FROM THE ENTRY.

Please check one of the following statements, sign and date this form and return it to your child's teacher.

_____ I HEREBY GIVE PERMISSION TO ALLOW MY CHILD TO PARTICIPATE IN THE INVENTION CONVENTION CONTEST AS DESCRIBED AND SUBJECT TO THE ABOVE RECITED "HOLD HARMLESS" PARAGRAPH.

_____ I DO NOT GIVE PERMISSION TO ALLOW MY CHILD TO PARTICIPATE IN THE INVENTION CONTEST AS DESCRIBED.

Parent/Guardian Signature

Date



ENTRY # _____ PROJECT NAME _____

FORT WORTH INDEPENDENT SCHOOL DISTRICT
INVENTION CONVENTION
 Official Entry Form – Individual Project

All entries must be on a backboard, and must be accompanied by the official entry form and the following completed forms:

- Drawing of Invention (Form 4B)
- Written Description (Form 4A)
- Something else about my Invention (Form 4C)

Student Inventor's Name _____

School Name and Number: _____

Student's Grade Level: _____ Student's Age: _____

Parent/Guardian's Name: _____

Home Address: _____ Apt. # _____

City/Zip: _____ Phone: _____

Student Inventor's Teacher: _____

School Phone: _____

I certify that this is a project done by an individual student.

Project Coordinator's Signature: _____

**This form comes to Western Hills Elem. with the entry.
 Bring the entry and forms to the Western Hills Elementary Cafeteria:
 Friday, Dec. 6, 2019 - 3:30-5:00 P.M.**

This form may also be used at your campus Invention contest.

FORT WORTH INDEPENDENT SCHOOL DISTRICT
INVENTION CONVENTION

Written Description –To be included with the entry brought to Western Hills Elem.
Must be hand-written by the student reflecting the student's own work.

INVENTION NAME: _____

What is the need or problem solved? _____

How does your invention solve/improve the specific problem stated?

What research did you do on your invention? _____

How does it work? _____

How is it made? _____

Cost: _____

Gr. 4-7 Written Description judged for content, expression of idea, and legibility.

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Written Description, however: IDEAS AND CONTENT MUST BE THE STUDENT'S OWN.

FORT WORTH INDEPENDENT SCHOOL DISTRICT
INVENTION CONVENTION

DRAWING OF INVENTION

INVENTION NAME: _____

Student Instructions: Draw and label all parts. Use pens, and/or crayons, and/or magic markers. Suggestion: Colors make your invention come to life.

Drawing must be completed *entirely by the student*. Drawing is scored on how completely the invention is illustrated. Be sure to label all parts and make your drawing as attractive and useful as possible.

"SOMETHING ELSE I WANT YOU TO KNOW ABOUT MY INVENTION..."

Student Instructions: Include any information you want the judges to know about your invention that wasn't included in the Written Description. This is a good place to describe any special research you did, any marketing/advertising plans you developed, and whether you or others have actually tried your invention.
