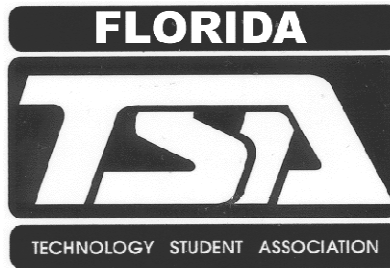


# FLORIDA STATE FAIR



## TECHNOLOGY STUDENT COMPETITION

**FAIR DATES  
FEBRUARY 5 - 16, 2009**

The Florida State Fair Technology Student Competition, sponsored by the Florida Technology Student Association, is a state level student activity which promotes the understanding of technology and development of technology skills among secondary students in Florida. The Technology Student Competition offers possibilities of awards (ribbons and cash) for excellence demonstrated by technology projects that have been submitted during the Florida State Fair in Tampa, Florida.

**ENTRY FORM REGISTRATION DEADLINE – December 12, 2008 at 5:00 p.m.  
Entry Forms that are mailed must be postmarked no later than December 11, 2008.**

1. All entered items must be Pre-registered. (No entry fee.)
2. Mail completed Entry Forms fee to:  
Florida State Fair  
Family Living Center  
P.O. Box 11766  
Tampa, FL 33680
3. Entry Forms must be filled out completely. Failure to complete **all** sections on the Entry Form may result  
in the disqualification of the exhibitor. Registration claim-checks **will not be mailed**.

**Award checks will not be issued without Social Security number on the Entry Form.**

4. **Technology Competition Entry** forms may be duplicated as needed. Each Student must have a  
separate form with multiple entries on the form.

**Delivery dates of items at the State Fairgrounds are January 23 and 24, 2009 between 10:00a.m. and 5:00p.m. Teachers or advisors are responsible for pickup and delivery of projects to the State Fairgrounds.**

It is your responsibility to coordinate well in advance for delivery of your projects. Regional Representatives are authorized to rent a truck or trailer to deliver projects. The State Fair Authority will pay rental of truck/trailer. Buy transportation insurance from truck/trailer rental company. You may personally transport your projects at your own expense.

### STUDENT ELIGIBILITY

**Membership in TSA is not necessary to enter a project. Any technology student may enter.**

## PROJECT ELIGIBILITY

**All Entries are limited to a maximum size of 4 ft. wide, 3ft. deep and 6ft. tall.**

Many classes have additional size requirements as stated in the rules. Any entry made in school, under the supervision of a technology education teacher, and which qualifies according to the rules and regulations may be entered. At least 70% of the project must be fabricated in the school laboratory.

**PROJECTS MADE FROM COMMERCIAL KITS ARE NOT ELIGIBLE.** Component parts should be made by the students wherever reasonably possible, and judges will rate accordingly. The State Fair will not accept any projects containing combustibles or explosives. (Example: live bullets, rocket fuel, gunpowder, etc.) Projects which may be constructed as weapons, which could be picked up and used on site, may be disqualified by the consensus of the judges. Examples; knives, fishing spears, nightsticks, blowguns, crossbows, etc.

## NUMBER OF ENTRIES

A student may enter only one project for each class (classes 1 through 26). **A student may enter projects in more than one class.**

## TRANSPORTATION OF ENTRIES

Five Regional Representatives will be designated to transport projects to the Florida State Fairgrounds by rental truck. You may personally transport your projects at your own expense. After the State Fair, projects will be transported back to your region. Cost of the rental for regional representatives will be paid by the State Fair Authority. Buy insurance for projects through truck rental company. Regional representatives will be reimbursed for insurance and truck rental by State Fair Authority. Receipts must be submitted by March 1, 2009. After the Fair is over, projects must be picked up on February 17, 2008 between 10:00a.m. and 6:00p.m.

## JUDGING

1. Ribbons will be awarded for 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> in each classification. The Danish system of judging will be used where there can be numerous blue ribbons awarded for each class.
2. Projects exhibited in the Fair in previous years are not eligible.
3. All 1st place winners in each class are judged against each other, for Best of Show in each of the four (4) divisions.

## AWARDS

The awards will be for each division in each class.

1st Place	\$12.00 and Blue Ribbon
2nd Place	\$8.00 and Red Ribbon
3rd Place	\$5.00 and White Ribbon
Best of Show	\$50.00 and Rosette

## Each student will be placed into one of four divisions:

Division 173 Middle/Junior High School Grades 6, 7, 8, and 9.

Division 174 Senior High School Grades 9, 10, 11, and 12.

Division 175 Exceptional Student Education – Middle / Junior School Grades 6, 7, 8, and 9.

Division 176 Exceptional Student Education – Senior High School Grades 9, 10, 11, 12.

### NOTE:

If grade 9 is located at a middle/junior high school, student will compete in division 173.

If grade 9 is located at a senior high school, student will compete in division 174.

If student is at a school that has 6, 7, 8, 9, 10, 11, 12 then 6, 7, 8, will compete in division 173 and 9, 10, 11, 12 will compete in division 174.

Exceptional students will follow above guidelines to select division. Exceptional student may enter division 173 or division 174 if they wish. An exceptional student will not enter two divisions. Divisions 175 and 176 are intended for students with an identified disability.

# RULES AND REGULATIONS

## MATERIAL PROCESSES TECHNOLOGY

### WOODS

Class 01 **Woods Major** - Any object that sits on the floor made predominantly of wood.

Class 02 **Woods Minor** - Any object that sits on a table, counter, shelf or hangs on the wall made predominantly of wood.

### METALS

Class 03 **Metals Foundry** - Any foundry industry product.

Class 04 **Metals Bench** - Any project consisting of sheet metal, wrought metal or combinations thereof. It can be functional or decorative.

Class 05 **Metals Machined** - Any product made with the use of mills, lathes, shapers or combinations thereof (CNC not used - which is class 14).

### PLASTICS

Class 06 **Plastic Carvings or Turnings** - Any predominantly plastic project which required the removal of material to give shape to the object by carving, turning or scraping.

Class 07 **Plastic Fabrication** - Any project in which the forming and fabrication of plastic are the major operations required.

### DRAFTING

All drawings in the following classes will be dimensioned.

Class 08 **Drafting 2D ARCHITECTURAL** - Project will consist of a **hand drawn** floor plan and an elevation drawing for a beach house with a maximum of 1000 square feet (air conditioned).

Class 09 **Drafting 2D ENGINEERING** - Project will be a **hand drawing** of an engineering object. Example: camshaft, pipe wrench, gears, etc. Object must be displayed with the drawing.

Class 10 **CAD 2D - ARCHITECTURAL** - Project will consist of a set of architectural plans created with **CAD computer software** for a residence housing a family of four (4) with an income of \$35,000. The design will take into account HUD affordable housing guidelines which allow a family to spend 30% of their income on housing.

Class 11 **CAD 2D - ENGINEERING** - Project will be a **computer drawing** of an engineering object using CAD software. The object (pump, gears, etc.) must be displayed with the drawing.

Class 12 **CAD 3D - ENGINEERING** - Project will be a **three dimensional computer drawing** of an engineering object using 3D CAD software. The object (pump, gears, etc.) must be displayed with drawing.

### ELECTRICITY / ELECTRONICS

Class 13 **Electricity / Electronics** - Project made from commercial assembly kits ARE NOT eligible. Projects must be completed and in operating condition to enable judges to test their operation. A schematic drawing and parts list must accompany entry along with a written description of application of the product. Project can be electro-mechanical providing the predominant control of the system is electrical.

### CNC PRODUCTION

Class 14 **CNC Mill/Lathe** - Any object produced with a CNC Mill/Lathe may be entered. The object can be made of wood, metal, plastic or any combination thereof.

## **GRAPHIC COMMUNICATIONS – THE USE OF COPYRIGHTED OR REGISTERED ARTWORK IN DESIGN IS PROHIBITED WITHOUT WRITTEN PERMISSION.**

Class 15 **Stationery System** - The project will be an original design of a company logo, business card and business letterhead displayed on a poster board or foam board. The logo must be included in the design of the business card and letterhead.

Class 16 **Imaging Technology** - Students capture images and process photographic prints for display that illustrate the current year's published TSA theme (2008 is "Technically Speaking"). The display must include five (5) black and white prints, five (5) color prints and five (5) prints of the student's choice to be mounted on poster board not to exceed 3 by 3 feet. Captions or descriptions must be included for each print.

Class 17 **Black and White Photographs** – Each student will submit a **single** black and white portrait photograph (people) not to exceed 8 by 10 inches.

Class 18 **Computer Graphic Drawing** - The project will be an original computer drawing using software such as but not limited to Corel Draw or Adobe Illustrator (vector based).

Class 19 **Computer Graphic Image** – The project will be an original computer graphic image using software such as but not limited to Photoshop (bit mapped).

Class 20 **Silkscreen Printing** - The project will be one color or multi-color silkscreen printing on fabric (T-shirts, towels, etc.).

## **ARCHITECTURAL MODEL**

Class 21 **Architectural Model** – The student will design a residence for a family of four (4) with an income of \$35,000. The design will take into account HUD affordable housing guidelines which allow a family to spend 30% of their income on monthly payments. The project will consist of a floor plan and a scale model mounted on plywood or foam board not to exceed 24 by 24 inches.

## **SAFETY ILLUSTRATION**

Class 22 **Safety Poster** - Contest is designed to direct attention to the area of laboratory safety. The safety poster must be a flat two dimensional design produced and mounted on poster board or foam board not to exceed 11 by 17 inches.

## **MANUFACTURING**

Class 23 **Manufacturing Challenge** - Participants will design and manufacture a product using material that has been discarded. The material will be solicited from a local industry.

Class 24 **Technology Process Display** - The purpose of this project is to provide a means for the student to demonstrate his/her knowledge of a technology process which has been researched. The project will be a display of the technology process on poster or foam board not to exceed 3 by 3 feet.

Class 25 **Manufacturing Prototype** – The student is required to design and manufacture the prototype of an original action figure with the TSA theme "Shape the Future". An appropriate marketing package should accompany the product which will not include the use of any copyrighted characters or images. The prototype and the marketing package combined together must be limited to 2 by 2 by 2 feet.

Class 26 **Dragster Design** – The student is required to design, draw, and build a CO2 powered, one-piece, all-wood model dragster. Each entry must be submitted with a full-size metric drawing of the completed vehicle. A two view (top and side) drawing with metric dimensions will be made on paper no larger than 11 by 17 inches (CAD or hand drawn). Judging will be based on the design, craftsmanship, and the accuracy of the model to the drawing.

**If you have any questions, please contact:**

Michael Bachman  
314 Niblick Circle  
Winter Haven, FL 33881  
(863) 324-2577  
[mikebach@tampabay.rr.com](mailto:mikebach@tampabay.rr.com)

Please use this entry form for the following competition:

## Technology (TSA) Competition Only (2009)

*Entry Form Deadline: Friday December 12, 2008. Failure to complete any portion of entry form may result in disqualification*

# FLORIDA STATE FAIR 2009

**PLEASE PRINT**

CHECK IF NEW ADDRESS

Exhibitor Number

LAST NAME \_\_\_\_\_ FIRST NAME \_\_\_\_\_ Organization \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_ COUNTY \_\_\_\_\_

CITY \_\_\_\_\_, FLORIDA, ZIP CODE \_\_\_\_\_ PHONE ( ) \_\_\_\_\_ - \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_

**Mail form to:**  
**Family Living Competition**  
**Florida State Fair**  
**PO Box 11766**  
**Tampa, FL 33680**

#	DIVISION #	CLASS #	ENTERED ITEM DESCRIPTION	#	DIVISION #	CLASS #	ENTERED ITEM DESCRIPTION
1				11			
2				12			
3				13			
4				14			
5				15			
6				16			
7				17			
8				18			
9				19			
10				20			

Claim Checks will be provided at time of acceptance.

I hereby agree to abide by all Rules and Regulations of the Florida State Fair

Exhibitor Signature \_\_\_\_\_

School \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ FL, Zip \_\_\_\_\_ Phone \_\_\_\_\_

Instructor \_\_\_\_\_