

# F1 in Schools Challenge Agreement



Please complete and submit this form with the \$150 F1 Challenge fee to:  
 TSA F1 in Schools Coordinator  
 1914 Association Drive  
 Reston, VA 20191  
 Fax 703-758-4852

For additional information, visit [www.f1inschools.us](http://www.f1inschools.us)  
 or contact [hlee@tsaweb.org](mailto:hlee@tsaweb.org)

**Order from:**

**Ship to:**

Name \_\_\_\_\_ Name \_\_\_\_\_

Instructor e-mail address \_\_\_\_\_ School name \_\_\_\_\_



Phone \_\_\_\_\_ Fax \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Team level (indicate as appropriate):  Middle/Junior High School  High School  
 (Note: Minimum team size is three students; maximum team size is six students.)

Challenge fee (\$150) payment enclosed:

Check (payable to F1 in Schools, Inc.)  Purchase Order # \_\_\_\_\_ **Note:** Must mail or fax a copy of P.O. (required).

CREDIT CARD PAYMENT		Name _____
<input type="checkbox"/> MasterCard	Cardholder's address (required on credit card orders)	
<input type="checkbox"/> Visa	_____	
Amount authorized to charge _____		Expiration date _____
Card account number _____		_____ / _____
_____		 
Signature as it appears on card _____		

**Agreement criteria:**

- 1) I wish to organize a team for the "F1 in Schools Challenge"; I have read and understand the design criteria.
- 2) I accept that any work entered into the Challenge may be used for the promotion of future events and that work may be kept and used in such circumstances.
- 3) I accept that F1 in Schools, Inc. has no liability for costs incurred by me or my school for the design and construction of car models to be entered in the Challenge.
- 4) Should my team be accepted as an F1 Challenge team, I will receive a Challenge Kit and an acceptance form with my team number.
- 5) I accept that rules may be amended at the sole discretion of F1 in Schools, Inc. (entrants will be informed of any major changes to the rules).
- 6) I understand that F1 in Schools, Inc. shall be entitled at its sole discretion to disqualify teams that breach or do not adhere to the rules and guidelines laid out in the Challenge Kit and in any part of this Challenge Agreement.
- 7) I must pay a Challenge fee of \$150 (which includes the Kit contents and team registration, but not conference registration) and complete this agreement in order to participate.

Agreed to and accepted by \_\_\_\_\_  
 (instructor/administrator)

Date \_\_\_\_\_

<p><b>For F1 in Schools, Inc. office use only:</b>                  An agreement between the school indicated on this form and F1 in Schools, Inc. has been formally accepted.</p> <p>F1 in Schools, Inc. representative _____</p> <p>Date of acceptance _____</p> <p>Team number (assigned by F1 in Schools, Inc.) _____</p>
---



## The Challenge

The F1 Challenge is an exciting CO<sub>2</sub> racing competition patterned after Formula 1 racing.

- Competitors work in teams of three to six students to design, manufacture and race an F1-style CO<sub>2</sub> racecar.
- Cars are designed in a CAD program and manufactured with a CNC mill.
- Many of the elements of actual F1 racing are incorporated, such as race team and car sponsorship.
- The Challenge is based on *Standards for Technological Literacy (STL)*, *National Council of Teachers of Mathematics (NCTM) standards*, and *National Science Teachers Association (NSTA) standards*.

## How to register

To register for the F1 Challenge, complete the form on the opposite side of this page and mail or fax it to TSA F1 in Schools Coordinator, 1914 Association Drive, Reston, VA 20191, Fax 703/758-4852.

## Requirements for participation

- Agree to the design criteria (see below).
- Submit the required information about instructor, school, and contact information.

## What you get in return

The right to compete in F1 in Schools events and a competition kit that includes materials and hardware for two F1 cars, coupons for software offers, promotional materials, downloadable 2008-2009 F1 in Schools rules and regulations (at <http://www.f1inschools.us/misc/F1RULES08-09.pdf>), and much more (see below for more on Challenge Kit contents).

## Contents of the Challenge Kit

- Two F1 car kits – blanks, wheels, and hardware – everything needed to build two complete F1 cars
- A granted seat of Denford QuickCAM 3D software.
- Official F1 Challenge team sticker and decal set
- TSA information and brochures
- Promotional materials
- Information on Official F1 car manufacturing center options
- Information on how to order additional F1 car kits

## Design criteria for the F1 Challenge

*All teams must comply with the following criteria:*

- The F1 Challenge team must contain a minimum of three (3) and a maximum of six (6) students.
- The F1 Challenge team must use CAD (computer-aided design) software to produce and model ideas in 3-D.
- The F1 Challenge team must use a CNC machine or a manufacturing center/partner to produce the car body.
- The F1 car body must be made of balsa wood.
- The dimensions of the car body, together with the wheels, must match the dimensions outlined in the rules.
- Each car body must be manufactured either at the team school or at a manufacturing center/partner location.
- Each car body must be painted with a high-quality finish. Only a limited amount of hand finishing to the car body is allowed.
- Each team must bring the car and an identical spare backup car to any F1 race event and the F1 National Challenge.
- Each team must produce a design folder/notebook/display that includes initial ideas, design development, and evidence of testing.
- Each team must supply (in the folder/notebook/display) a third angle orthographic projection and a 3D graphic rendering of the final design – both produced using a 3-D CAD package.
- Each team must complete a specification sheet, which must be displayed in the folder/notebook/display at any F1 race event.
- Each team may face a state-level, F1 race elimination event to determine advancement to the F1 National Challenge in June.

To sign up for this challenge, complete and fax or mail the form on the opposite side of this page.

F1 & device, Formula 1/One are trademarks of the Formula One Group of companies and are used under license

