



**You and your students are ready to launch with the most exciting hands-on, brains-on Free Flight Glider program ever created.**





## Dear Educator:

AeroRacers proudly presents the new **My Flight School** program that will make you the most popular instructor at your school. Any instructor of any grade or administrator can be the Flight School Owner. All you need is an interest in flight. We will make you an expert.



## How does it work?

You are the instructor and Flight School Owner. Students “lease or rent” the aircraft from you and return them to you after use. Aircraft can last for many years and can be used as curriculum enhancement or in after school and summer programs. Similar to a full sized flight school, each aircraft teaches many students to fly. The initial aircraft cost is thereby minimized. Fun and learning is maximized.

Our FUN 24 school glider is available to you in Final Assembly Ready (FAR, pre-built) condition or in kit form. FAR spare parts to keep the planes flying are available as well.

The curriculum is proven and turn-key. You do not need to know anything about flight. You will learn easily just like your students.

Students work in Flight Teams of 2 or 3 students per aircraft.

Students learn about physics of flight through hands-on, brains on flying.

A Flight Team is assigned one aircraft at the beginning of the flight school class.

The Flight Team sets up the aircraft for flight testing.

Students flight test their glider through hand launches first, then they earn their “solo” endorsement by successfully launching their glider on the high start.

Students keep a flight log book of the high start launched flights.

At the end of the class, the flight team disassembles their aircraft and stores it in the original box it came in.



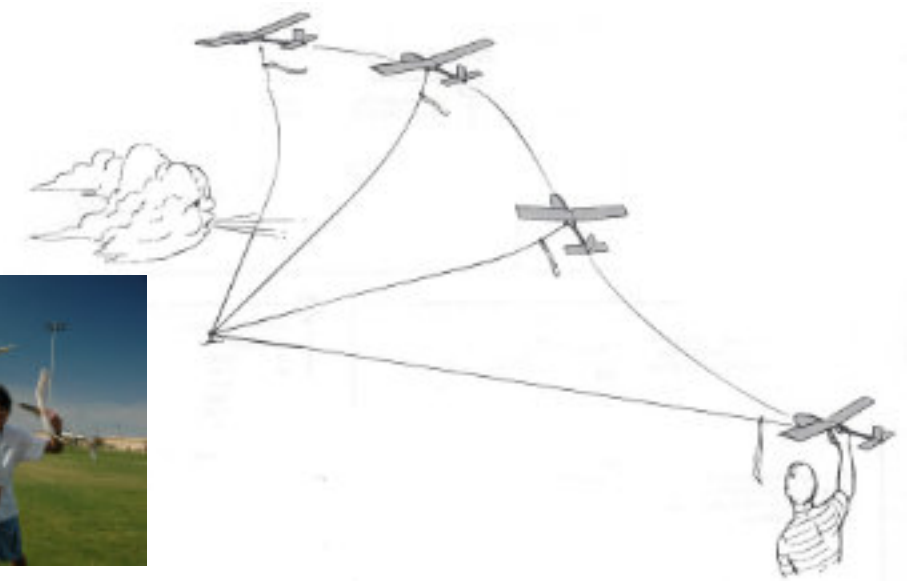
## What is a 4F Glider?

“4F Glider” stands for “Free Flight Flex Fuse Glider”.

The 4F gliders are highly advanced Free Flight gliders created by AeroRacers Inc. especially for school use. All 4F gliders feature:

- AeroRacers “Rudder Kick” automatic steering system which makes the glider fly in a circle and land close to the launch area after it comes off the high start.
- AeroRacers “Ballast Shift” very precise Center of Gravity adjustment system
- AeroRacers “Crash Protection” system which protects the aircraft during hard landings
- AeroRacers “Rapid Wing Joining” system which allows the wing panels to be assembled or disassembled in seconds.

4F Gliders fly **green** all the way. They do not require batteries, charging nor do they produce any negative environmental harm. They are mostly made from bio-degradable wood.



## How do 4F Gliders fly?

4F gliders are launched to altitude by means of a safe, low power high start consisting of some thin rubber string and kite string that is stretched out to launch. The high start lasts for many years. In a school situation you will only use one high start at a time and the students take turns launching their aircraft all day long at no cost.

AeroRacers has developed a “Short Field High Start” especially for school use. The Short Field High Start is designed to launch 4F gliders to an altitude of about 30 feet and can be used on athletic fields the size of a soccer field.



## About the FUN 24 glider, the basic school glider.

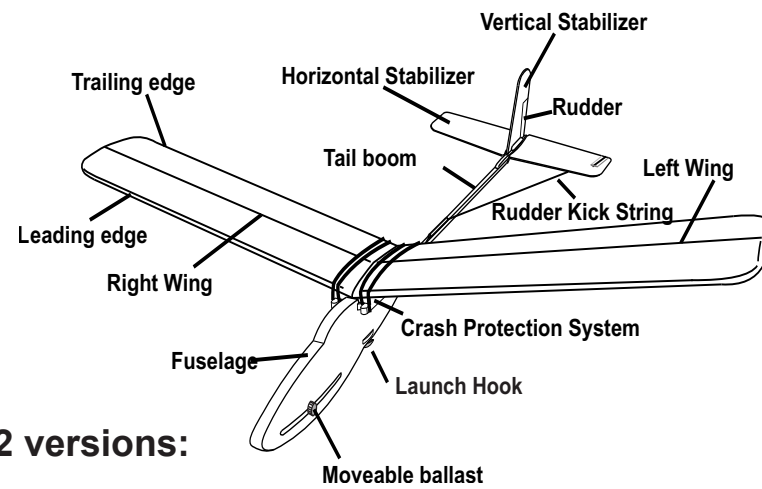
The FUN 24 is specifically designed and sized to fly in school settings. It is super robust, it can take tremendous abuse and still keeps flying. The glider is constructed from balsa and plywood.

### Aircraft specifications:

Wing span: 24 inches

Overall Length: 19 inches

Overall Weight: approx. 60 grams



### Our FUN 24 is available in 2 versions:

#### In Final Assembly Ready (FAR) form:

The gliders are factory built and the wings are pre-sanded. Students can decorate and finish the aircraft easily. Final assembly includes installing the automatic steering system as well as balancing the aircraft. Flying success is guaranteed with the FAR version!



#### In standard kit form:

Students build the aircraft. All parts are pre-cut and no knife or special tools are necessary. The wings are designed such that they consist of solid balsa wood construction with no tedious paper covering needed.



## Flight School Glider Storage.

As an ex Middle School Science Teacher, I always found it a challenge to safely store built up aircraft in the classroom. This problem has now been solved.

Our 4F gliders can be taken apart in under a minute and stored safely in the box they originally came in.



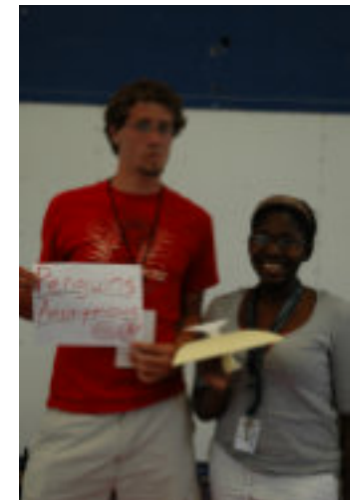
This FUN 24 is neatly stored in its "hangar" and ready to be handed to the next Flight Team.

### What is a flight team?

A flight team consists of 2 or 3 students. This is not only more effective learning as the students share ideas and help each other to improve their glider, but it also keeps the cost down as you need less aircraft.

As one student pilot launches their glider, the other team member records the flight time and observes the flight to spot eventual improvements to be tried on the aircraft. A flight debrief with the team mate after the flight comes natural.

Flight Teams are encouraged to come up with an appropriate team name of course.



### A Friendly Flight Competition.

You can easily organize a friendly flight competition where all teams compete with their aircraft in a longest time aloft flight competition.

All flight team members launch their aircraft on the high start several times. The flight times are recorded and added up at the end and result in a total time aloft number of seconds. The Flight Team with the highest number wins the competition. It all is a team effort.

Help on how to set up and hold a friendly flight competition is available at our Great American Aero Derby link on the aeroracers.com website. We have been organizing Free Flight Glider Competitions for over 30 years and we can advise you.



## Which Grade Level is ready to fly at My Flight School?

Grades 5 and above are ready to learn how to fly with your gliders. You should even encourage flight teams consisting of mixed grades in after school or summer programs. Whether your flight students are 5<sup>th</sup> graders or high school students, they all will have fun learning about flight and flying their gliders.

### Students that become Chief Flight Instructors.

During each Flight School class that I held so far, I always found one or two students that become experts at assembling and flying the aircraft. You want to encourage those experts to help out in future classes by making them Chief Flight Instructors.

A perfect reward for helping out is to let them build and test fly a more advanced 4F glider available at aeroracers.com. Since the aircraft builders name is in the aircraft log book, those students leave a legacy at your flight school.

### Help is a phone call away.

We have been selling model aircraft specifically designed for schools since the early 1990's. We are available to help you out. If you have questions, you will be talking to Luc who designs the aircraft and leads the Great American Aero Derby summer flight camps and flight competitions. You can find his number below or at aeroracers.com.

### Step up 4F glider models are available.

More intricate 4F gliders are currently available in kit form only as a step up from the basic 4F FUN 24 school glider. Those are slightly larger wing span, but still fly in the same fashion as the basic gliders.

Although they feature a little more wing span, they are heavier and therefore can compete against the Fun24 in a straight up flight competition.



### How to order:

We accept official school purchase orders or you can order at aeroracers.com via credit card. You can go directly to myflight.school for pricing info about this program.

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