

FLY A TEACHER Programme



Whether it is geography, science, technology, maths or simply the beauty of the skies and the novel experiences, this initiative will help teachers find a whole new source of stimulating material and ideas to use in the classroom.

Free flights for teachers can be arranged from a local airfield with a LAA pilot. Curriculum materials are available for a range of classroom activities and pupil age-groups, and further help with these can be obtained from LAA Education. Details at flyers.org.uk.

Flying Angles on the Curriculum

Stimulating support materials are being developed to address some of the National Curriculum topics through the medium of a light aircraft flight, such as:-

Geography: Physical landscape, towns, rivers, estuary, marine and land environments, human impact, land use, weather systems, navigation, magnetic and true bearings, map-work.

Science: Forces, acceleration, velocity, levers, moments, circular motion, aerodynamics, flight controls, instruments, sensors, fuels and oils.

Maths: Flight planning calculations involving speed, distance, time and fuel burn, bearings, aircraft loads and centre of gravity, drift calculations using vectors.

English and Drama: Communications, creative writing, poetry, scenarios to enact.

Art: Light and shade, cloud formations, new perspective.

Technology: Structures and materials, production methods, cockpit systems, ergonomics and the human interface, electrical and electronic systems.

Intercom project: This inexpensive unit is based on a Rapid Elect minor circuit board. It needs just a few components and is one station of a practice flight per station. [LAA](http://www.laa.org.uk)



LAA Education Strut

The Strut was formed in 2003 to encourage interest and enthusiasm for recreational flying among young people, through the provision of support, advice and activities. Its rapid growth in that short time owes much to the leadership and tenacity of Stewart Luck, and a small army of volunteers who have a similar vision for the value of the opportunities that education in the widest sense brings.

LAA Education Website – www.flyers.org.uk

The Education website contains details of all the activities of the Education Strut, including the projects outlined in this leaflet, links to other organisations offering bursaries and scholarships for flying training, all sorts of aviation competitions, fun pages of activities for youngsters, a growing section on curriculum-related activities and ground theory topics for flight training.

Sponsorship and Support

LAA Education is most grateful for the invaluable help given so far by many organisations through sponsorship, particularly with the Build-a-Plane project. New sponsors to ensure the continuation and expansion of these initiatives are always welcome.

The Popular Flying Association

The organisation was formed in 1946 by a group of enthusiasts wishing to continue flying, but keeping down the costs by building their own aircraft. This year it is celebrating its Diamond Anniversary.

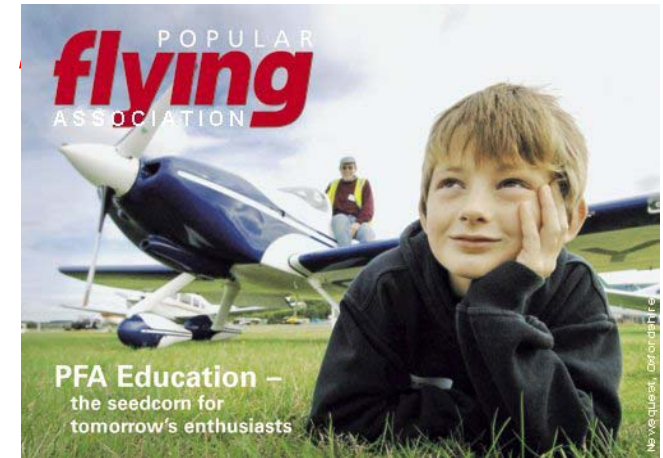
Over the years it has assisted in the development of numerous home-built aircraft types, issuing Permits to Fly with help from an army of inspectors, and providing expertise and advice through its engineering section, as well as representing General Aviation at many levels.

The Annual Rally is a popular event, and attracts aircraft from all over Europe. The 2006 Flying For Fun Rally is on **Friday 18th – Sunday 20th August at Kemble LAA Airfield, Gloucs.**

Contacts and Addresses

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LAA Youth & Education Strut:



See Inside for Info on :-

- Free Flights for Youngsters**
- UK Youth Build-a-Plane Project**
- Aviation Activity Camps**
- Rally Activities for Kids**
- Sponsorships & Competitions**
- Curriculum Support**
- LAA Coaching for Pilots**
- Free Flights for Teachers**



www.flyers.org.uk

Free Flights for Kids - 'Young Aviators'



LAA pilot volunteers take youngsters between 8 and 18 years old for their first flight in a light aircraft. This scheme has developed from EAA Young Eagles, which over the past few years has logged more than 1 million such flights in the USA and the UK.

Events are organised by a local LAA Strut, and the youngsters receive a certificate of their flight.

Youngsters Build a Plane



Air Cadets and Scouts from Barton (Manchester), Lisburn (N. Ireland), Mold (N. Wales) and Musselburgh (Scotland) have been developing the skills and the teamwork needed to build this Rans S6-ES, and the plane is now flying. It is intended to use it for display and air experience flights so that other youngsters will also be encouraged to take up the challenge of aviation.

The plane has appeared at many air-shows and exhibitions including Farnborough, the Microlight Show, Eurojam Scout event and 'Fly' – The London Air-show.

Aviation Activity Camps – Fun at Work



These weekend camps are organised jointly by scouts, air-scouts and local LAA Struts for youngsters to work towards their Navigator, Meteorologist and Aeronautics badges. After training, the scouts plan and fly a short route, acting as navigator for the LAA pilot.



Things for Kids at the Flying for Fun Rally

All sorts of activities are available in the Education Centre at the Annual LAA Rally, from 'flying' a pedal plane for the very youngest to building and flying model aircraft, learning navigation and chart-work, practising radio calls, designing an instrument panel and 'flying' a very non-electronic flight simulator.

Groups of youngsters are given a guided tour of the event by experts, who explain the finer points of the aircraft and displays. There will be plenty of advice on opportunities for initial flying training and careers in aviation, as well as details of bursaries, scholarships and further pilot training available.

LAA Pilot Coaching Scheme

Specialist training courses are available to LAA members, including:-

Type Conversion, Strip Flying, Refresher Flying, Display Flying (newly-available), other Special Type Aircraft courses to suit the applicant's requirements, and the prestigious LAA Gold, Silver and Bronze Flying Diploma courses and assessments.

The Coaching scheme is recognised by the CAA, which has authorised Coaches and Assistant Coaches to be Class Rating Instructors, so they can conduct training flights in LAA aircraft, including the refresher flight for renewal of a pilot's two-yearly class rating.

Aviation Training Days

The following short courses are being planned:-

Now Spread Your Wings is for recently qualified PPLs, and covers use of LAA aircraft, their building and the costs involved, forming and operating flying groups, farm strip flying, and flying high-performance aircraft.

Aircraft maintenance and servicing for permit aircraft; assessing engine condition, essential engine and airframe servicing, minor repairs to aircraft skin and other appropriate work.

It is hoped to expand the range of topics and repeat the sessions at other venues, depending on the level of demand and support from the local LAA Struts. Details will be posted on laa.uk.com and on flyers.org.uk.

Scholarships and Bursaries

The Armstrong-Isaacs scholarship is for flying training up to the NPPL for a LAA member aged between 16 and 22. More details can be found on laa.uk.com.

Other organisations also offer flying bursaries and sponsorships; brief details and links for these are on the LAA Education website

Cut-price Navigation Equipment

Square navigation protractors and scale rules calibrated in nautical miles for use with aviation charts have been developed for training purposes and are available inexpensively from LAA Education. Practice aviation charts may also be available.