

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 usually be arranged from a local airfield with a pilot. Curriculum materials are available for a range of classroom activities and pupil age-groups, and further help with these can be obtained from Y.E.S. 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.

R/T Practice Set: This inexpensive unit is perfect for practising radio calls and includes two stations and headsets with 10m of connecting wire. Buy it as a quick-build kit ready to solder and assemble for £25, or ready-built and tested for £40.



Further details are posted on the flyers website in the curriculum section and there is a PDF which can be downloaded. Information is included on where the components can be purchased.

Youth & Education Support

The Group 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.

Education Website – www.flyers.org.uk

The Education website contains details of all the activities of Youth & Education Support, 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

Youth & Education Support 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 Light Aircraft Association (LAA)

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, and was called the Popular Flying Association (PFA).

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 name was changed in 2008 to modernise the image.

The LAA Regional Rallies are spread around the UK, so there will probably be one in easy reach of you.

Contacts and Addresses

Light Aircraft Association (LAA):

Turweston Aerodrome, Nr Brackley, Northants, NN135YD. Tel: 01280 846 786 Fax: 01280 846 780
education@laa.uk.com www.laa.uk.com

Youth & Education Support:

info@flyers.org.uk www.flyers.org.uk 03/10

Youth & Education Support



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See Inside for Info on :-

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



www.flyers.org.uk

Free Flights for Kids - 'Young Aviators'



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 Strut, and the youngsters receive a certificate of their flight.

Youngsters Build and Fly a Plane



Air Cadets and Scouts from Barton (Manchester), Lisburn (N. Ireland), Mold (N. Wales) and Musselburgh (Scotland) built this Rans S6-ES, and it is now being used 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.

Second Build-a-Plane Project



Devon Scouts and Air Cadets have been working on a follow-up project since 2007, and their X-Air Hawk microlight called **Spirit of Devon Youth G-SPDY**, is almost ready to fly. Following a similar path to the Spirit of Brooklands, this aircraft has been built in sections in different parts of Devon and brought together for final assembly.

LAA Training and Pilot Coaching Scheme

Specialist flying training courses are available to members, to extend their flying skills, and courses are being planned for various aspects of aircraft construction and maintenance. Details are available from the LAA at www.laa.uk.com.

Scholarships and Bursaries

The Armstrong-Isaacs scholarship is for flying training towards the NPPL for an LAA member aged between 16 and 22. Details are at: www.laa.uk.com

Other organisations also offer flying bursaries and sponsorships; brief details and links for these are on the Education website www.flyers.org.uk.

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 Youth & Education Support.

Practice aviation charts may sometimes be available when they are superseded by revised editions.

Aviation Activity Camps – Fun at Work



These weekend camps are organised jointly by scouts, air-scouts and local 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 pilot.



Things for Kids at Events and Airfield Days

All sorts of activities are planned at various events, such as RIAT at Fairford and the 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, making and testing gliders and using a model flight simulator.

Airfield Days introduce youngsters to the business aspects of the airfield, with a guided tour by experts, who explain the finer points of the aircraft, displays and the companies on site. There will be advice on initial flying training and careers in aviation, as well as opportunities for bursaries and help in learning to fly.