



Aeronautics Activity Badge (Scout section)

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Complete all the requirements in one of the following alternatives:

Alternative A

1. Know the rules relating to access to airfields in Policy, Organisation and Rules.
2. Understand the purpose and operation of ailerons, rudder, elevator and trim on a glider and have the effects of these controls demonstrated in flight.
3. Understand the functions and workings of the altimeter, airspeed indicator and variometer.
4. Assist a glider pilot with the ground handling, hangar parking and launching of his aircraft.
5. Demonstrate the signals used by the glider pilot and forward signaller for the launching of a glider and the procedure for stopping a launch.

Alternative B

1. Know the rules relating to access to airfields in Policy, Organisation and Rules.
2. Assist a pilot with ground handling, the picketing of a light aircraft and the preparation of a light aircraft for flight.
3. Understand the purpose and operation of ailerons, rudder elevator, flaps and trim on a light aircraft and have the effects of these controls demonstrated in flight.
4. Understand the functions and workings of the altimeter, airspeed indicator and engine instrumentation.
5. Demonstrate the marshalling signals used when marshalling powered aircraft. Identify the common signals displayed on the airfield signal square.
6. Understand the R/T procedure for a circuit of an airfield.

Alternative C

1. Know the rules relating to access to airfields in Policy, Organisation and Rules
2. Demonstrate the marshalling signals used when marshalling powered aircraft or demonstrate the signals used by a glider pilot and forward signaller for the launching of a glider and the procedure for stopping a launch.
3. Identify the parts of an aircraft and explain their functions in controlling the aircraft.
4. Assist with the ground handling and picketing of a light aircraft or the ground handling, rigging and de-rigging of a glider.
5. Demonstrate the ground checks that have to be carried out before flying a light aircraft or glider.
6. Demonstrate an ability to carry out two of the following:
 - a. Tie knots and make splices used in glider launching equipment.
 - b. Repair a small tear in the fabric surface of a light aircraft or glider.
 - c. Replenish a light aircraft's fuel system.
 - d. Carry out pre-use inspection of a parachute. Demonstrate how to put it on and take it off.
 - e. Assist with the launching of a hot air balloon.
 - f. Know the procedure for starting up a piston-engined aircraft.

Notes

Additional information is available from

<https://members.scouts.org.uk/supportresources/523/>