

60 min

Intro. Lesson



SKY ACADEMY

The electric Introductory Lesson is a great first exposure to electric sports aviation. You'll feel the magic of electric flight in the amazing Pipistrel Electro aircraft and begin the foundations of your flight training experience with this immersive introductory lesson.



Aircraft

The 60 minute introductory lesson is conducted in the Pipistrel Alpha Electro 2 seat Sports aircraft



Human factors

No minimum or maximum age

Physical requirements - Must be able to fit securely in the aircraft seat and safety harness.

Small passengers (20-30kg) can use a booster seat.

Maximum passenger weight allowable - approx. 100KG



Requirements

The candidate must be a temporary or subscribing member of Recreational Aviation Australia.



Duration

Intend to arrive 15 minutes early for checks and completion of requirements.

After a 20 minute safety and control system briefing, you will complete a 30-40 minute trial flight with your instructor.

Mission Briefing

The intention of the 60-minute Introductory Lesson is to offer the candidate a cost-efficient exposure to electric sport aviation training.

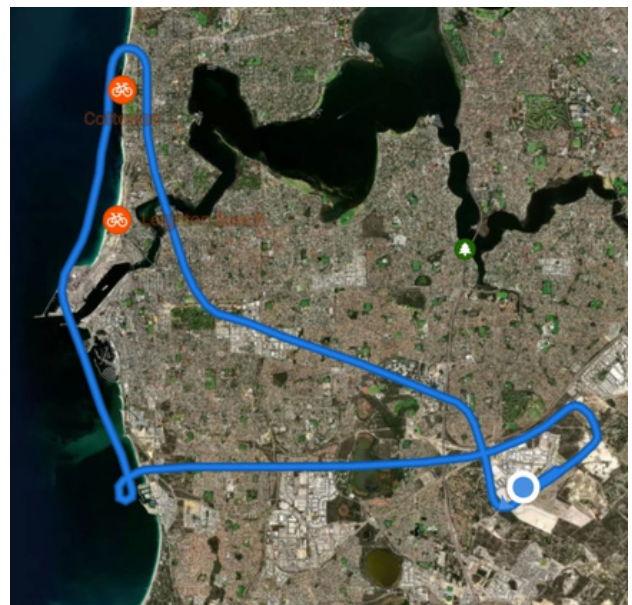
The flight training time accrued on this introductory lesson flight counts towards the ongoing flight training hours of the candidate as a temporary or subscribing member to Recreational Aviation Australia.

During the Introductory Lesson, the candidate will be briefed for safety and emergency procedures as well as basic handling and control of the aircraft.

The instructor will maneuver the aircraft through standard ground operations and radio communications on the airfield in preparation for takeoff on the relevant active runway.

With the assistance of the instructor, the candidate will experience control of the aircraft in flight on a loop departing Jandakot Airport and returning via a Northern or Eastern approach for a standard traffic pattern integration and landing.

The candidate will receive a certificate of completion upon debriefing of the Trial Flight mission.



Typical Trial Flight route

On the ground

The instructor or ground operator assistant will complete a detailed introduction for the aircraft during the Pre-Flight walk-around procedure highlighting the specific elements of the aircraft that are important for flight and for electric power management including-

- Battery Electric power train elements
- The Effects of Controls
- Safety and glide characteristics
- Typical mission parameters
- Radio operation
- Charging and power management
- Weather analysis to choose the best-suited mission.

After completing the introduction, you will board the aircraft and the Instructor will guide you through..

- Make sure the controls are properly adjusted
- Complete Pre-Flight inspection
- Talk through the start-up checks
- Load mission map to the Garmin Aera 660
- Assist with taxiing
- 35kW Run up power check

Airborne Sequence

The exercise

After all ground checks and safety briefings are complete, the instructor will line the aircraft up on the active runway after receiving Tower Clearance.

You will follow along on the controls as the instructor applies full power for the take-off sequence, pay particular attention to the power settings and the attitude (climb angle) of the aircraft during this time. You will depart the aerodrome in a standard climb pattern to a height of no more than 1500ft flying over relevant landmarks that your instructor will highlight (for you to reference on future training flights).

During the flight over the pre-loaded track, you will follow on the controls as the instructor shows you the effects of the controls on the attitude of the aircraft in flight, highlight the powertrain settings and characteristics at different stages of the flight, demonstrate the glide configuration, highlight when and where we are making radio calls and why and how our mission track and airspeed are influenced by the weather and relative airflow.

Back on the ground

Debrief and review your progress with the instructor, taking notes on areas of aptitude and areas of improvement focus in your skills development.

Mission Time blocking

Pre Flight Inspection **5 Min**

Control set and completion of startup checks **3 Min**

Total Apron time (approx.) **8 Min**

ENGAGE FLIGHT SWITCH

Complete Taxi to run up point **3-7 Min**

Complete Run up and safety brief **3 Min**

Taxi to Holding point **2-4 Min**

Log Book time (On Ground) - **8-14 Min**

Airborne sequence

Take off and clear the traffic pattern/control area, Climb to 1500 ft
Non controlled/ **3 Min/**
Controlled **5-7 Min**

Attitude demonstration **1 Min**

Power setting demonstration **2 Min**

Glide Configuration **3 Min**

Additional exercises (power permitting) **5-8 Min**

Return to Aerodrome **3-7 Min**

Log Book time In Air **25 Min**

Taxi to charge location and shutdown procedure **3-7 Min**

Total Log Book time for each Introductory training Mission **36-46 Min**
