

MORE INFORMATION

Included in this brochure are diagrams of an aircraft cockpit and the different parts of an aircraft. Study these diagrams and ask your Young Eagles pilot to explain them and show you how they work. Listen carefully to all safety points your Young Eagles pilot tells you, especially when moving around the aircraft on the ground. The Flying New Zealand website www.flyingnz.co.nz has additional information and useful links.

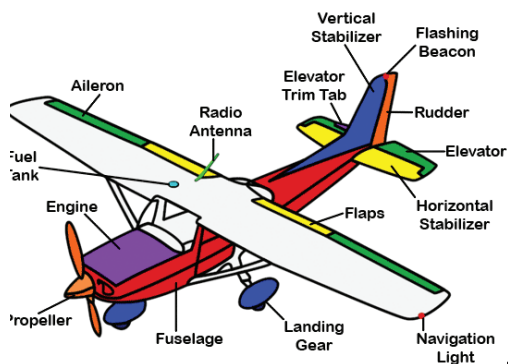
A TYPICAL AIRCRAFT COCKPIT

The pilot sits inside the aircraft in what is called the cockpit. There are many instruments and switches, along with a Control Column or Control Stick. These controls move the elevators on the tail and the ailerons on the wings, which enables the pilot to move the aircraft in the direction the pilot wishes. There is a throttle to control the engine speed and on the floor of the cockpit are pedals to operate the brakes and the rudder.

WHAT ARE THE DIFFERENT PARTS OF AN AIRCRAFT?

Aircraft come in many shapes and sizes, but they all have similar parts. The body of an aircraft is called the Fuselage and this includes the cockpit. Aircraft have Wings to lift them into the sky and on the rear of each wing are the Ailerons which move up or down and help the aircraft turn left or right. Flaps help the aircraft to fly slowly for landing.

The Engine turns the Propeller which pulls the aircraft through the sky. The tail at the back of the aircraft has a Rudder which helps turn the nose of the aircraft left or right. The flat horizontal part of the tail is called the Elevator which makes the aircraft's nose move up or down.



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young
eagles



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young
eagles **WHAT IS IT
ALL ABOUT?**

HAVE YOU EVER WONDERED WHAT IT IS LIKE TO FLY?

As a member of the Flying New Zealand Young Eagles programme, you will not have to wonder any more about what it is like to fly, as you will be given the chance to experience flying for yourself. Whether you are interested in aviation as a career, or for recreation, or you are just curious to find out what it is all about, Young Eagles might just be the starting point for your lifelong aviation adventure.

WHAT IS YOUNG EAGLES ABOUT?

Young Eagles is a programme run by Flying NZ affiliated Aero Clubs throughout New Zealand that gives young people aged 12 – 17 the chance to learn about aviation, through being involved in a range of activities. Parents or Guardians are welcome to be involved and to help you get set up and ready to go.

WHAT DO I HAVE TO DO TO BECOME A YOUNG EAGLE?

Contact your local Aero Club and they will be able to help you out. You can get their contact details from www.flyingnz.co.nz. You need to fill in a registration form which your parent or guardian needs to sign. Click on the Young Eagles link or contact your local Aero Club and they will be able to help you out.

WHAT WILL MY FLIGHT BE LIKE?

You will be introduced to your pilot. Your pilot not only has all the right licenses and medical certificates, but has been selected by the Aero Club as someone who is experienced with the type of aircraft you will be in. The Chief Flying Instructor then signs them off as being a safe pilot to introduce you to flying.

You will be shown how to pre-flight the aircraft and taken through the safety procedures for being in the aircraft operating area and with the aircraft itself. Then after a thorough briefing you will get in the aircraft, put on your headset so you can hear your pilot and all the radio calls, and strap in. Your pilot will talk you through the pre take-off checks and line the aircraft up on the runway. Then the engine will rev up and you will start rolling forward. As you get faster, it gets a bit bumpy, then on lifting off the bumps stop and the view of the world changes.

The view opens up and by 500 feet (approximately 1 minute after take-off) you will have great view of the local area and be able to see for miles. You will be able to talk to the pilot throughout the flight and see exactly what is going on. After what seems like no time at all you will be lining up to land and touching down.

WHAT ELSE WILL I GET TO DO AS A YOUNG EAGLE?

Young Eagles get to do a range of activities. Most Aero Clubs have a monthly Young Eagles event which could involve anything from a trip away, to visiting an engineering base or a control tower. It might be a BBQ in a hangar or helping with an event. Sometimes the activity might be washing aircraft or helping a pilot with keeping the aircraft clean and tidy and ready for its next trip. Whatever the activity it will help you learn about aircraft and aviation in a safe fun environment.

WILL IT BE SAFE?

Absolutely. The aircraft is maintained to CAA standards and the pilots are all CAA licensed and screened to make sure your pilot is experienced and competent to fly.

WILL THERE BE ANY FOLLOW UP?

When you have finished your flight, go ahead and ask your pilot lots more questions. They still remember how exciting their first flight was, and will want to share experiences with you. You will receive a Young Eagles certificate telling everyone you are now a Young Eagle. Your name and certificate number will be entered at your local aero Club and sent on to the office of Flying NZ.

WHAT WILL IT COST?

It will cost you very little, just enquire at your Aero Club. The Young Eagles programme is about giving young people the opportunity, at least once, to experience the freedom and pleasure that flying gives. Many pilots freely give Young Eagles further flying experiences, as they want you to enjoy the thrill of flying. Each year Young Eagles are given the opportunity to obtain a Ross Macpherson Memorial Young Eagles Flying Scholarship to help fund you on the way to your first pilot's license.

