

Name _____

Careers in Aviation

Flight Academy



Aircraft Mechanics – Airplanes are complex machines, they need a variety of specialized technicians to keep them operating properly. Mechanics are responsible for repairs and maintenance of all components of the aircraft.

Ground Support Personnel – Whether loading passengers or cargo, fueling, or scheduling planes to fly, ground support are critical to the end.

Air Traffic Controllers – It is the responsibility of the controller to provide a safe, efficient flow of air traffic around the world. Controllers also help pilots with avoiding weather, terrain and other aircraft.

Meteorologists – Weather is one of the most important factor in flying, it's up to the meteorologists to provide this data to the aviation industry.

Aerospace Manufacturing – Hundreds of thousands of people are involved in designing and building aircraft. They are developing new technology for aircraft to fly higher, farther, faster.

Pilots – Pilots are responsible for controlling the aircraft to get it safely to the destination. To do this they need to understand developing weather patterns, different methods of following flight paths, and the science used to control the aircraft.

Read the descriptions of the aviation jobs in the box above. As you move through the Flight Academy, find the information panels with the titles below. After reading the panel, decide which job needs to know the information.

Bernoulli's Principle & Newton's Laws _____ and _____

What is Drag? _____

Flight Planning _____

Clouds and Weather Predictions _____ and _____

Turbulence: Convective Currents _____ and _____

Air Traffic Controller System _____

Construction Material _____ and _____

Wing Design and Construction _____

Engines _____

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Bernoulli's Principle and Newton's Laws [Aerospace Manufacturing](#) and [Pilot](#)

What is Drag [Aerospace Manufacturing](#)

Flight Planning [Ground Crew](#)

Clouds and Weather Predictions [Air Traffic Controller](#) and [Meteorologist](#)

Turbulence: Convective Currents [Meteorologist](#) and [Pilot](#)

Air Traffic Controller System [Air Traffic Controller](#)

Construction Material [Aerospace Manufacturing](#) and [Aircraft Mechanic](#)

Wing Design and Construction [Aerospace Manufacturing](#)

Engines [Aircraft Mechanic](#)