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**

**What is Drag?**

**Flight Planning**

**Clouds and Weather Predictions**

**Turbulence: Convective Currents**

**Air Traffic Controller System**

**Construction Material**

**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