

HOW DO
YOU BUILD?

How Do You Build an Airplane?





Table of Contents

Above the Clouds	4
Start with Plans	6
Inside the Build	8
Up, Up, and Away!	20
Glossary	22
To Learn More	23
Index	24

Above the Clouds

A child looks out a window.
She sees clouds down below.
She is flying in an airplane!





Start with Plans



wind tunnel

↑
model

Aeronautical engineers create plans and **models** for airplanes. They test models in **wind tunnels**.

Then a pilot takes a
prototype on a test flight!



prototype

Inside the Build



center fuselage
frame

A large airplane's **fuselage** is built in three parts. The nose, center, and tail all start with frames.

The frames are covered in metal or **carbon fiber**.



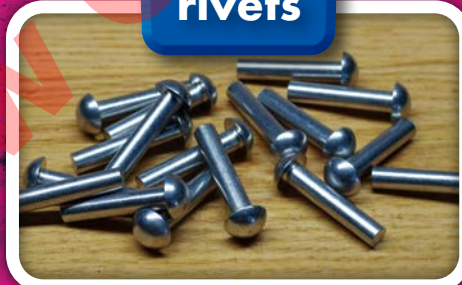
What Do You Need?



carbon fiber



rivets



glue



aluminum



rubber

