



ALL



TYPES



OF



AIRCRAFT



Danielle Bruckert

# ALL TYPES OF AIRCRAFT

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*For ZEHNYA and SASCHA*

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# ALL TYPES OF AIRCRAFT

*This Book Belongs to*

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An aircraft is a *craft* that flies through the *air*.



There are many different types of aircraft.

An aeroplane is a type of aircraft, that has fixed wings for lift, and a means of propulsion.



Means of Propulsion is a fancy way to say a way to move on it's own.

There are big aeroplanes,



and small  
aeroplanes,





There are VERY  
big aeroplanes,



and very small aeroplanes,



Some aeroplanes have

jet engines,



and some have  
propellers.



A glider is an aircraft which flies without a motor, it uses air currents for lift.

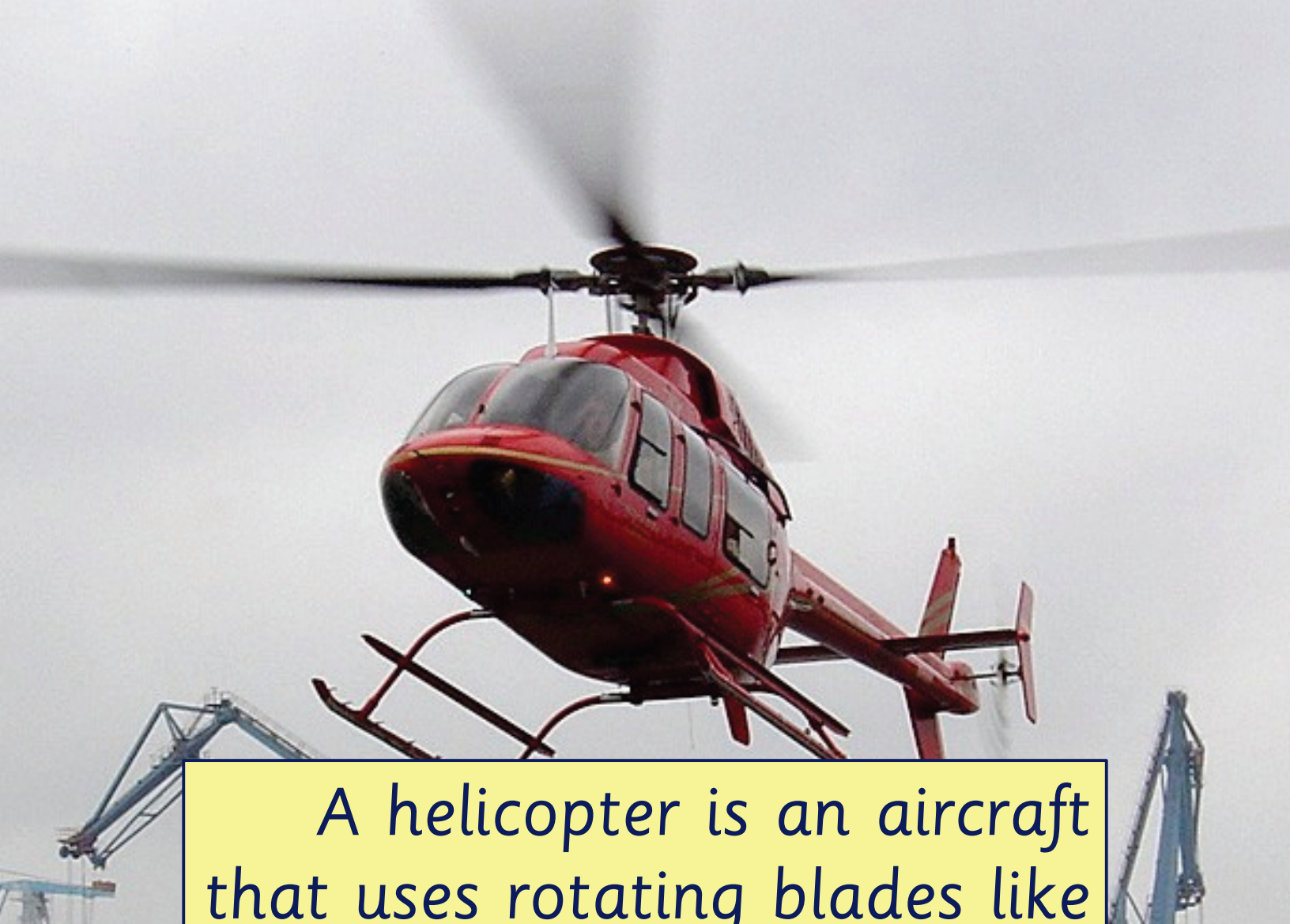


A glider needs to be launched, by towing or by a winch,



A motor glider uses a motor to launch, then stows the motor after takeoff





A helicopter is an aircraft that uses rotating blades like wings to create lift.





A helicopter can also have a piston engine,





or a jet engine.



A hot air balloon is an aircraft which is lighter than air.



It's just like a party helium balloon, floating into the air when you let go.

And, just like a party helium balloon,



They come in all sorts of different shapes and sizes



The balloon pilot lets the gas cool to come down, and heats it up to rise.



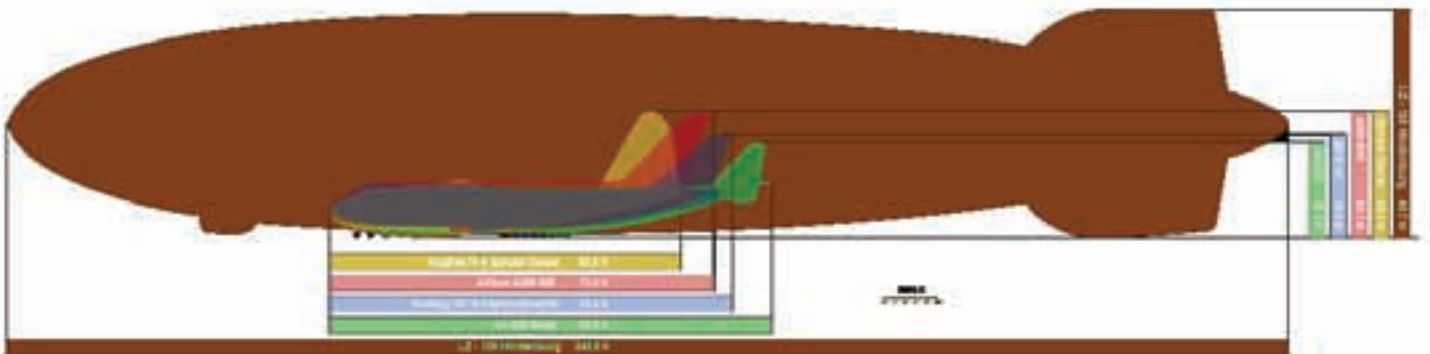
Airships are like balloons,  
filled with gasses lighter than air.



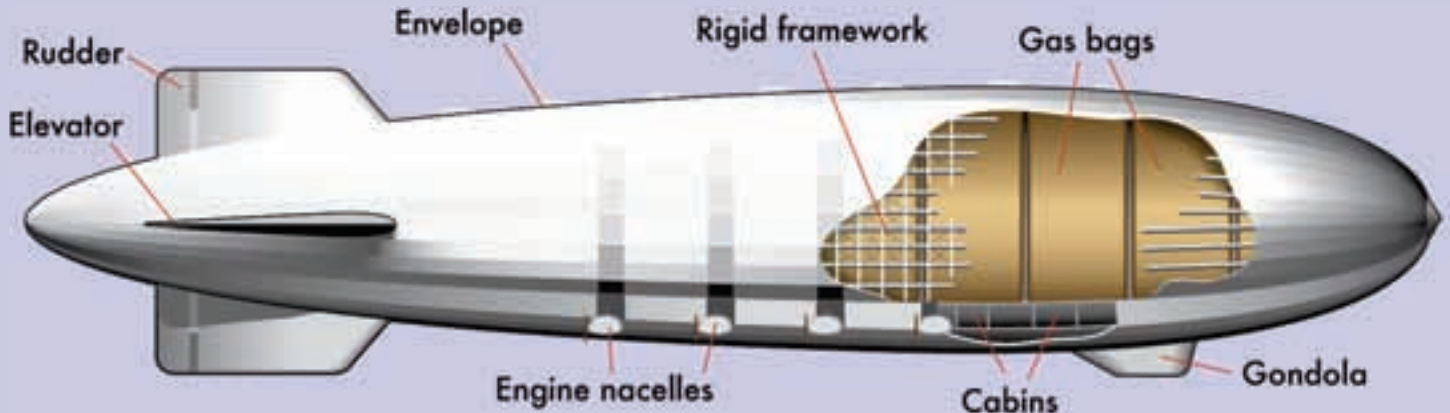
This enables the airship  
to float into the air like a balloon.



But, unlike a balloon, they also have a means of steering and propulsion.



Airships are also sometimes called 'zeppelins' or 'blimps'



Because of their complex design, and a poor accident history during their early years, there are only a few airships still in operation today.



The last flight of the Hindenburg

Some aircraft are built to do a special job.





Aerobatic aircraft  
are built for doing aerobatic flying,  
for displays, competitions,  
or joy rides.



Military aircraft,



work to defend the people  
and the country they belong to.





Agricultural  
aircraft  
help farmers  
with  
their job.



There are aircraft that help to save peoples lives;







Working as firefighters,  
air ambulances,  
and search and rescue.





Which aircraft do you want to fly?



THE END



Draw a picture of  
your favourite  
aircraft here.



Write about your  
favourite aircraft  
here.

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aircraft aeroplane airplane helicopter airship zeppelin blimp  
motor engine piston jet glider hot air balloon aerobatics  
military amphibian agriculture fire fighting search and rescue

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# Are you the Kid at the Fence?

Did you ever dream of flying an aircraft? Do you want to be a pilot? Are you the kid who stands at the airport fence gazing at the aircraft, wondering what it's like to fly?

It's not difficult to become a pilot, and all it really requires is the a strong desire to be one. If you want to be a pilot badly enough, you'll find out a way to do it. And if you love flying, you'll be committed to being a good pilot and a safe pilot. Flying is a lot of hard work, but it's also a lot of fun, it's a great way to make a living and a great hobby.

*If you need more information about how to start out in aviation – check out our main website <http://www.redskyventures.org> or <http://www.gonumbers.com>*



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### ABOUT THE CREATOR

Danielle Bruckert is a professional pilot and an aviation writer. She writes children's books as a creative outlet fro the highly technical nature of her job, as a break from technical writing, and for the pure enjoyment of it. Her hobby led to the creation of the popular website, <http://www.freekidsbooks.org>, where all of Danielle's books can be found for free download in pdf format.

Danielle's aviation text books and blogs can be found at <http://www.redskyventures.org>