

**BABY  
Loves**

# Aerospace Engineering!

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Hello, Bird!





Bird can fly.



How does Bird fly?



She has wings!



The top of her wing is curved.



The bottom of her wing is flat.

Bird flaps her wings,





SWOOSH!

and they lift her into the air.

Good-bye, Bird!

Wings help an airplane fly, too.  
Does an airplane flap  
its wings?





No! It has engines.

The engines help the plane go  
fast, fast, fast . . .

Whoosh!



then the wings lift the plane  
into the air.




If Bird wants to see outer space,  
her wings cannot take her there.  
(Sorry, Bird!)



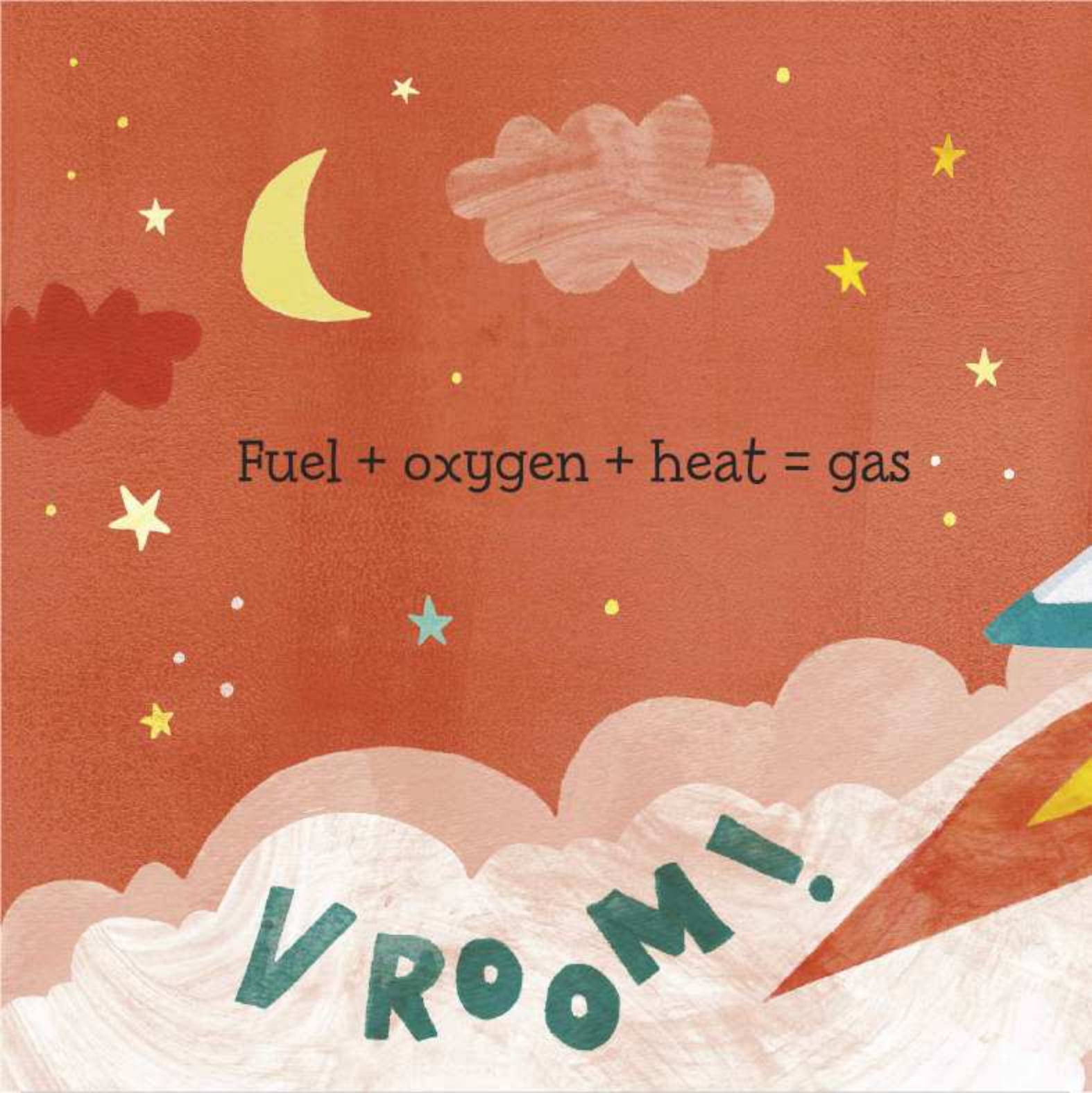
An airplane cannot take  
★ her there, either.





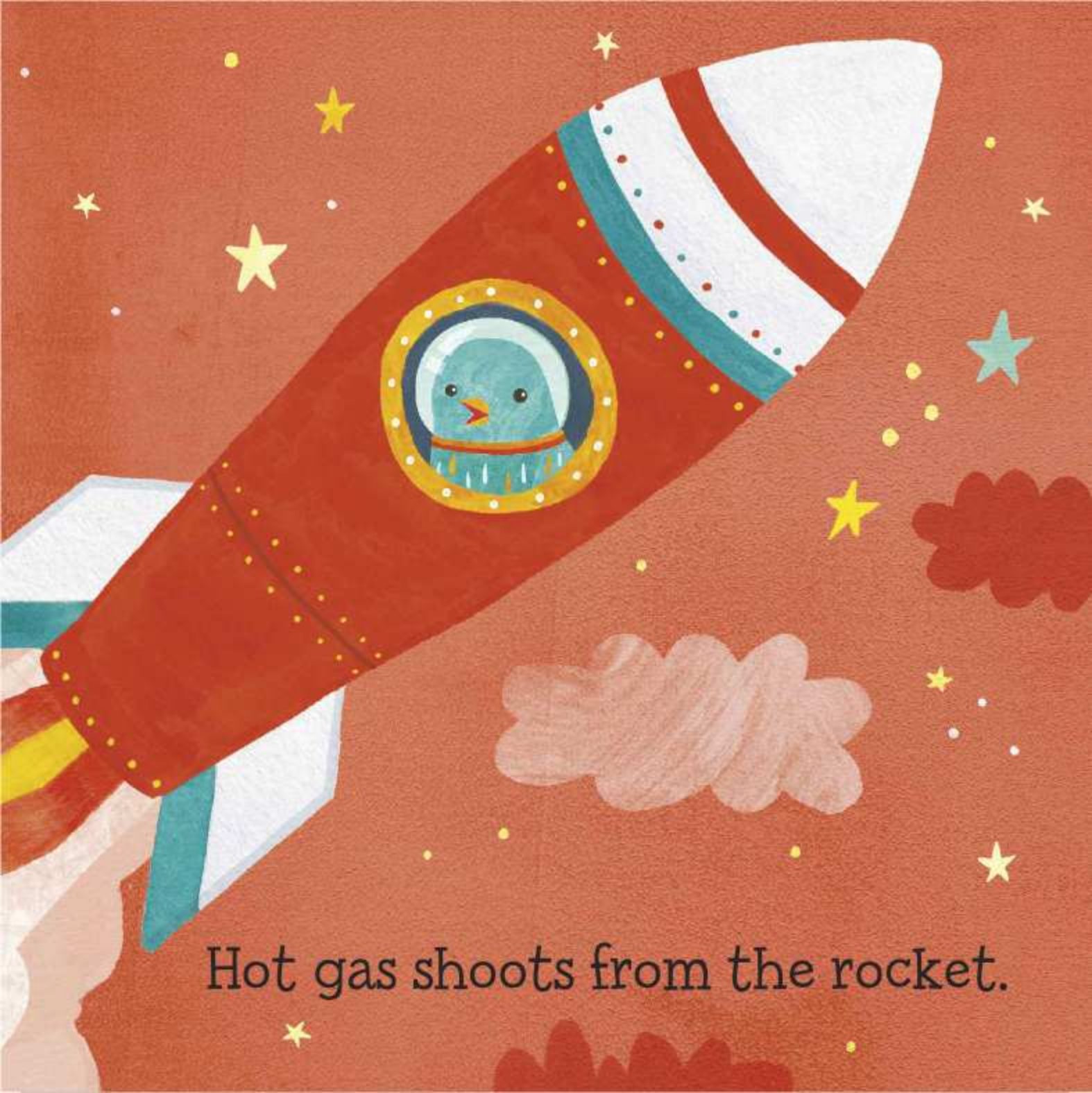
Bird needs a rocket.  
A rocket has a BIG engine.





Fuel + oxygen + heat = gas

**VROOM!**



Hot gas shoots from the rocket.

The rocket zooms up, up, up . . . .  
to outer space!





Have fun, Bird!



# Science

Little books about big ideas

Bird can fly. How does Bird fly?  
Explore the fascinating physics of flight,  
from birds to airplanes to rockets.

VOOM!



For my mother, who gave me wings—R. S.  
To Connor, who loves everything that Mommy draws—I. C.

Very special thanks to Dr. Fred Bortz  
for his invaluable expertise and advice.

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