



Pavla Hanáčková • Diarmuid Ó Catháin

ROCKET



ALL ABOARD!

ROCKET

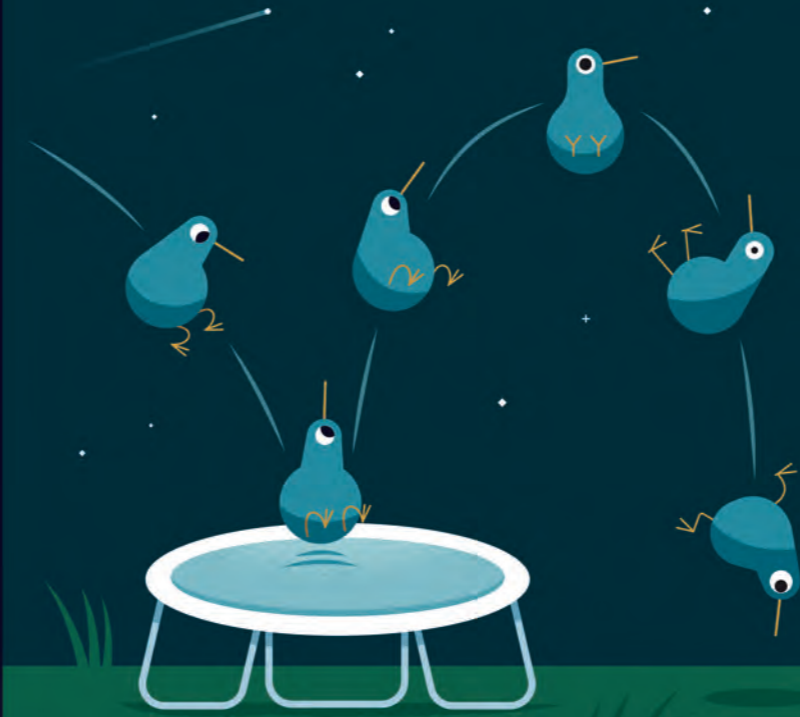
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b4u publishing

Every night, right after he woke up, Karl rushed from his bed to look at the breathtaking night sky. His biggest dream was to explore space on his own. But what should he do? He cannot fly after all.

If only I could be known as Karl, the mighty space explorer!

Karl tried jumping reeeeeaal high! But it didn't help him get to space.



Then he tried building his own rocket. But paper boxes are no good for flying.



Maybe if he invented his own flying suit, that would be a solution! But Karl didn't know anything about inventing things.



He was puzzled.



But then he had an idea.



He rushed into the library...

That's it! I need to join a **SPACE CREW!**



Rockets that changed history



Rockets are mighty. But it takes plenty of time and money to make them. Most of them can only be used once! Despite this, they help us a great deal. They help us to carry robots, satellites or even people into space. Let's get to know some of the most famous rockets in history.

This mammoth rocket developed by SpaceX is very powerful and will help us send big payloads into space. In 2019 it completed the first ever commercial launch.

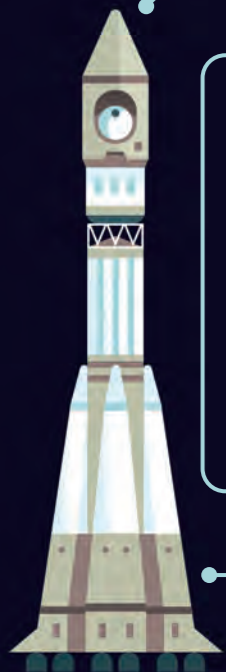
Discovery was NASA's busiest space shuttle. Over 27 years of service, it launched and landed 39 times. It helped build the ISS and also carried the Hubble Space Telescope into orbit.

This marvellous rocket launched the first Chinese astronaut – or "taikonaut" - Yang Liwei into space in 2003.

It was used for the Apollo missions and carried the first men to the Moon. On July 20, 1969 NASA astronauts Neil Armstrong and Buzz Aldrin set foot on the dusty surface of the Moon.

This rocket is supposed to replace retired space shuttles. It is a spacecraft that will help us travel further than we've ever been before.

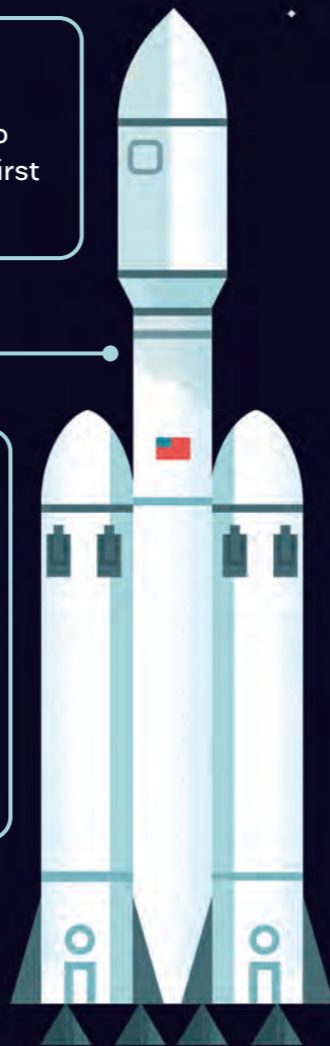
Without the help of these rockets, we might not have explored space as much as we did!



Vostok 1



Space shuttles



Falcon Heavy



Long March 2F



SLS



Saturn V

The future

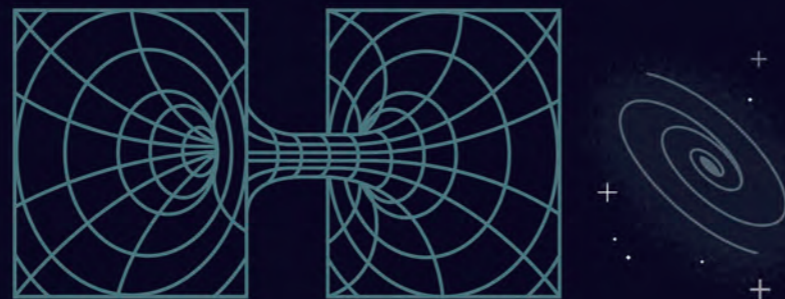
One day we might have such powerful spacecraft they will allow us to travel to other galaxies or even settle on faraway planets that have hospitable conditions similar to Earth's.



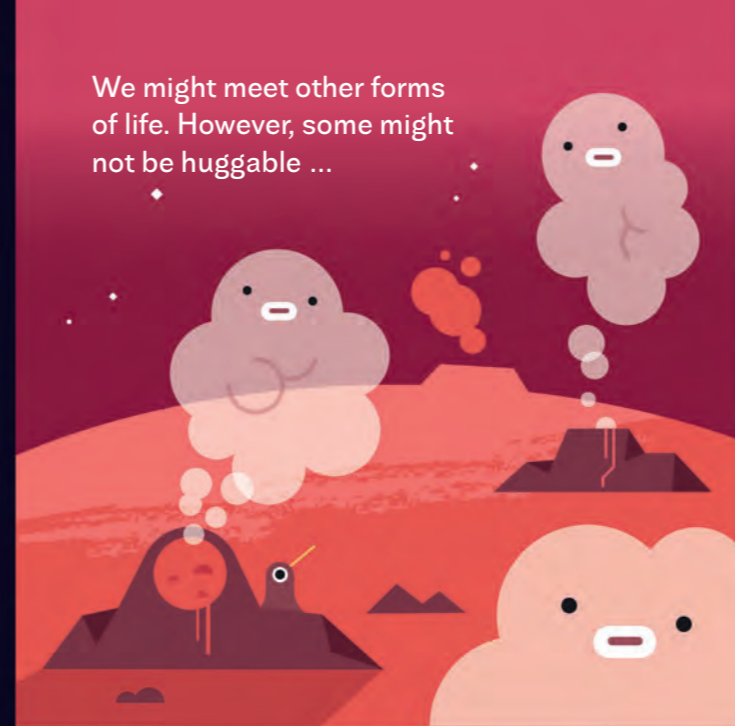
Such spacecraft would be able to travel close to the **speed of light**. Which is super-duper fast!



Or they might take a quicker route through a **wormhole**. They would enter it at one end and exit from the other. It's like using a space subway that takes you from one place to another.



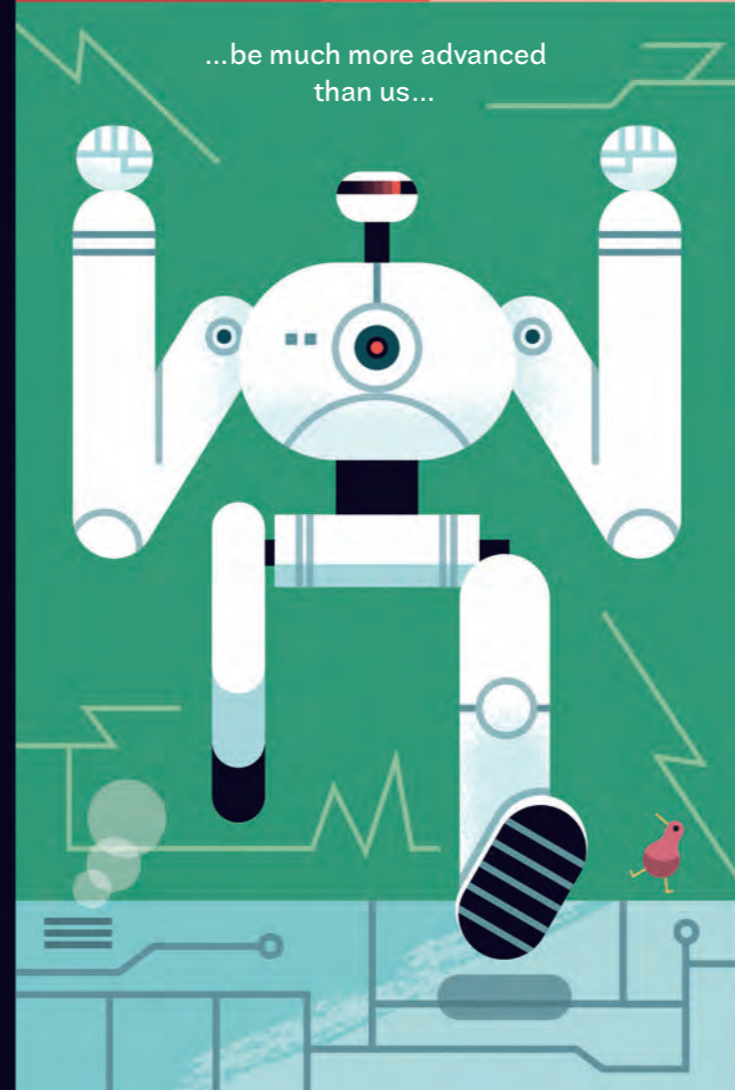
We might meet other forms of life. However, some might not be huggable ...



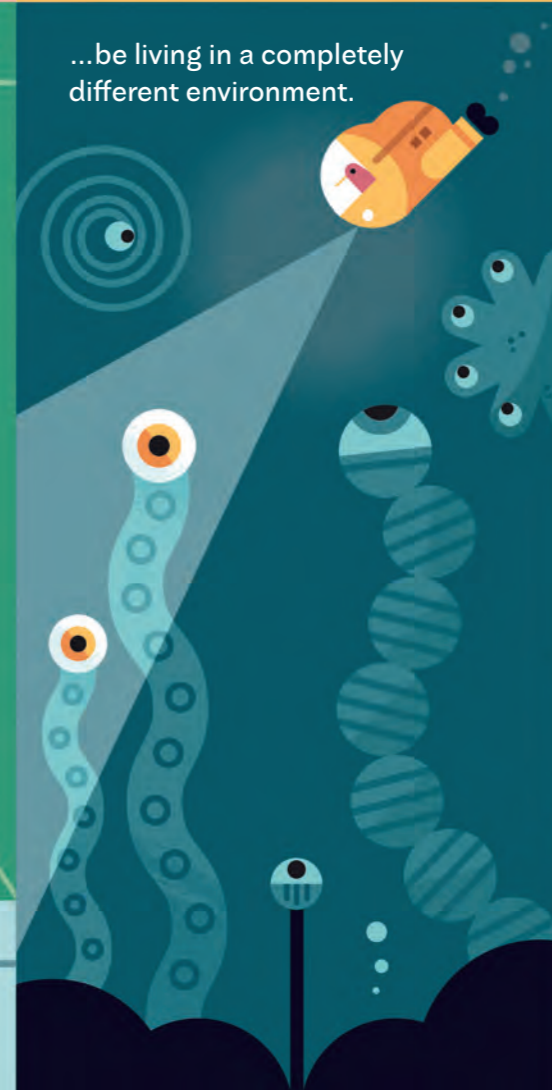
...be so big they would make us look like teeny weeny dwarfs...



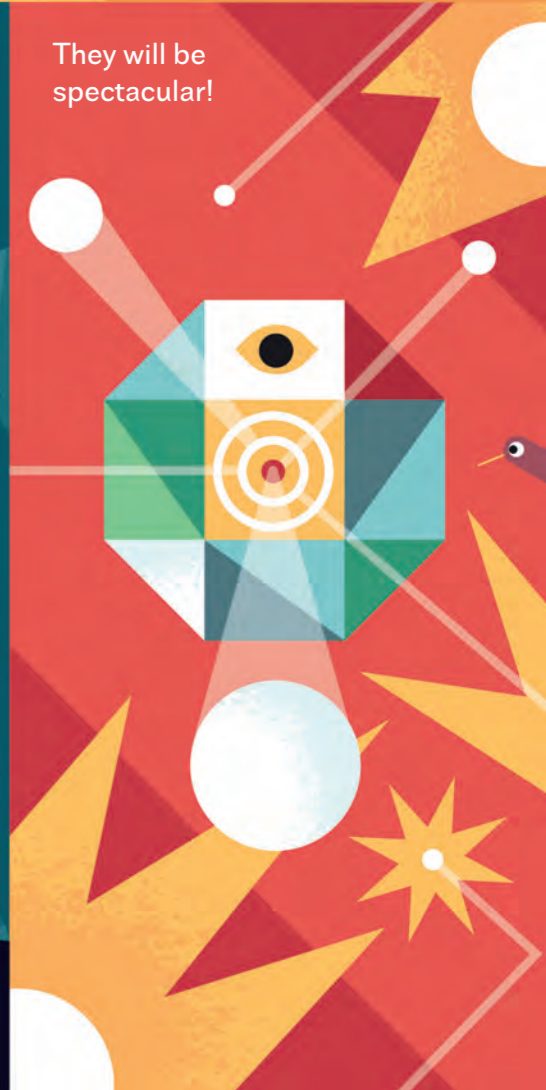
...be much more advanced than us...



...be living in a completely different environment.



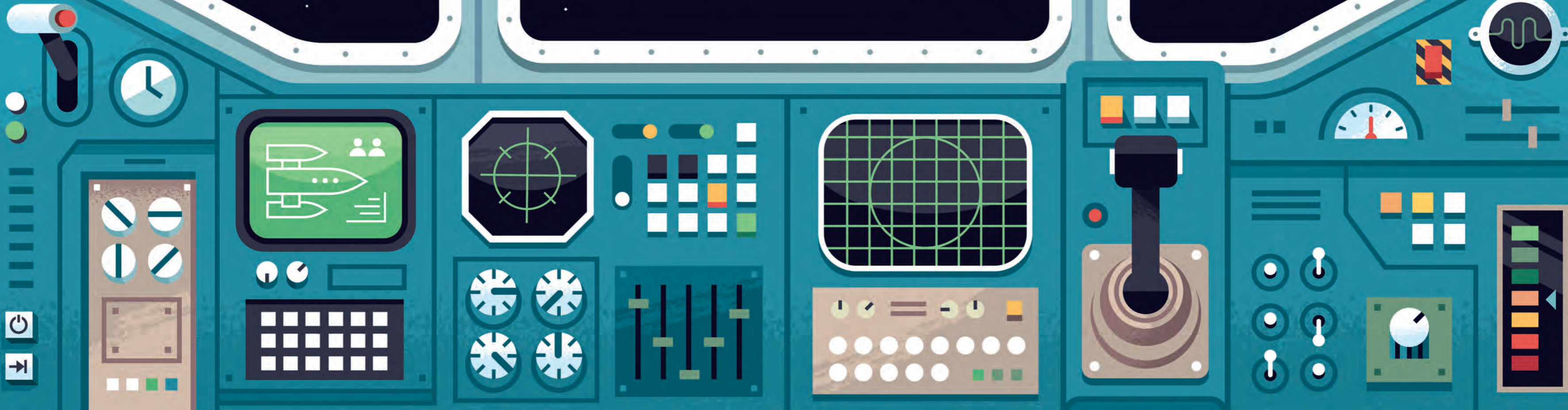
They will be spectacular!





Congratulations!

Look at us, we are true space explorers who know space like the back of our hands! Would you like to try driving the spaceship on your own? All aboard then! Hop in, Commander, and let's set off on another adventure!

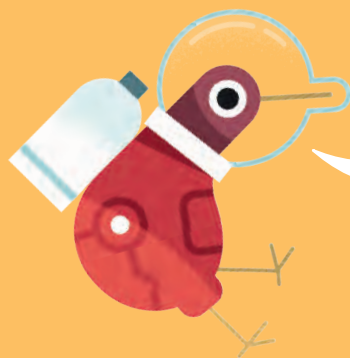


Is space the number one topic you're interested in?
Would you like to learn what breathtaking objects
and man-made machines are flying around in space?
Would you like to become an astronaut and see
everything with your own eyes?

Kiwi bird Karl is interested in just that. His biggest
dream is to visit space as an astronaut.

Together you'll learn many interesting things about
rockets and other spacecraft. You'll meet the most
famous types and also catch a glimpse of what goes
on before you even get to go to space - astronaut
training and rocket lift off included!

Join Karl in his spacecraft, get to know the solar
system and even more! Who knows what is hiding
beyond our galaxy...



All aboard!
We're about
to lift off!

