



Level 4

There's a Hole in my Galaxy Author: Ananya Dasgupta Illustrator: Chaaya Prabhat



It is the year 2563 on planet Earth.

Maya's family owns a rocket ship. But she is not allowed to use it. Not without a grown-up.

Ava really wants to see Pluto. She is Maya's best friend and loves everything about space and astronomy. She wants Maya to fly her to Pluto.



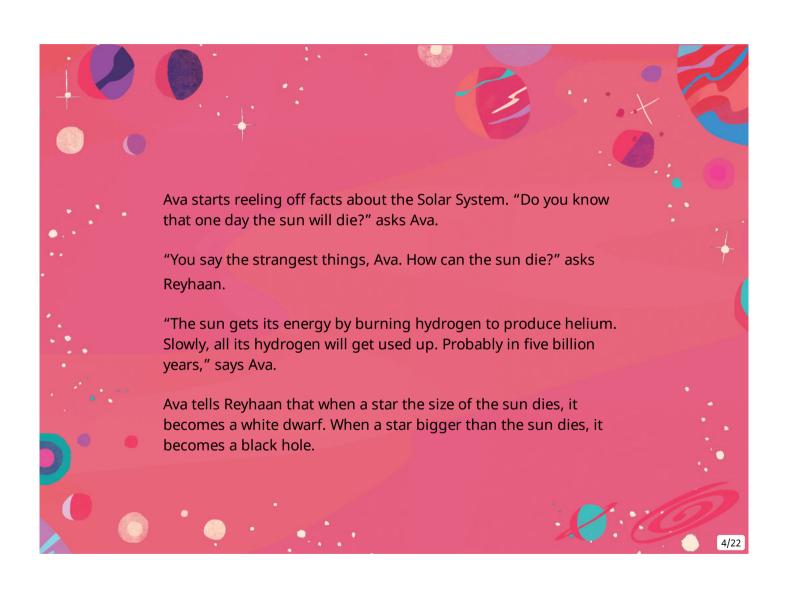
"Please," says Ava. "Please, please."

"My parents will be angry," Maya protests.

"They're out for the weekend, and it's not that far to Pluto. We'll be back before your parents return," promises Ava.

Maya reluctantly agrees. Her brother Reyhaan tags along.

The three friends soar off from Earth on a hot summer night. Ava bounces with excitement.







Suddenly, there is a loud beeping.

'ALERT! ALERT! HEAVY OBJECT PULLING SHIP OFF COURSE,' says the computer.

The friends stare at the screen. "But I can't see anything," says Reyhaan.

"No, look," says Maya. "The stars in Orion's Belt are no longer in a straight line."

Ava gulps. "I...I...I think we are near a black hole. The gravitational field of the black hole is bending the light of the stars near it, like a lens bends light that passes through it."





OF THE SHIP. BLACK HOLE EVENT HORIZON 5 KILOMETRES AWAY."

"BLACK HOLE?" Maya and Reyhaan ask together.



"W...w...we need to move away NOW," Ava stammers. "If we reach the black hole, we will be sucked in forever!"

"Why?" demands Reyhaan.

"First let's get away!" Ava says, almost in tears.

Maya is shaking with fear. She yells commands at the computer.

"Full power, double power. Accelerate away from the black hole. Put everything you have!"



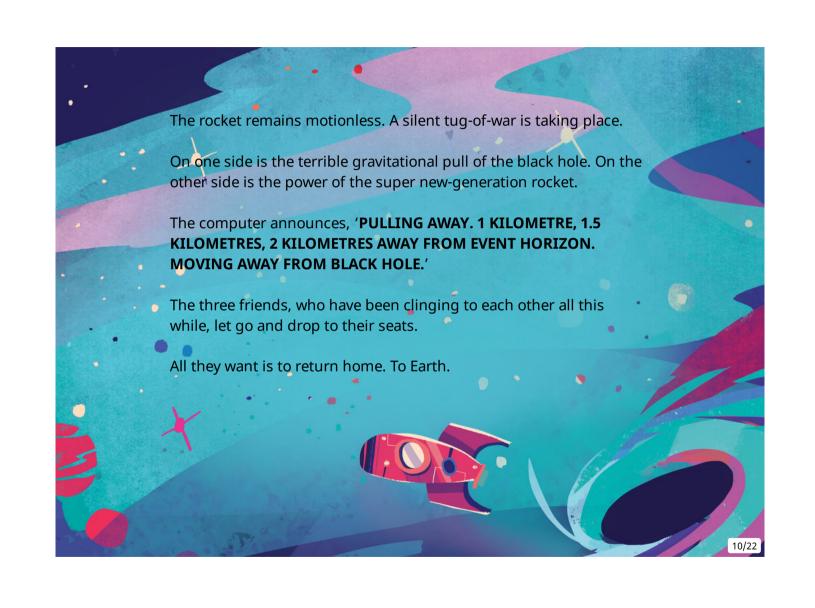
'FIRING EMERGENCY BOOSTERS.'

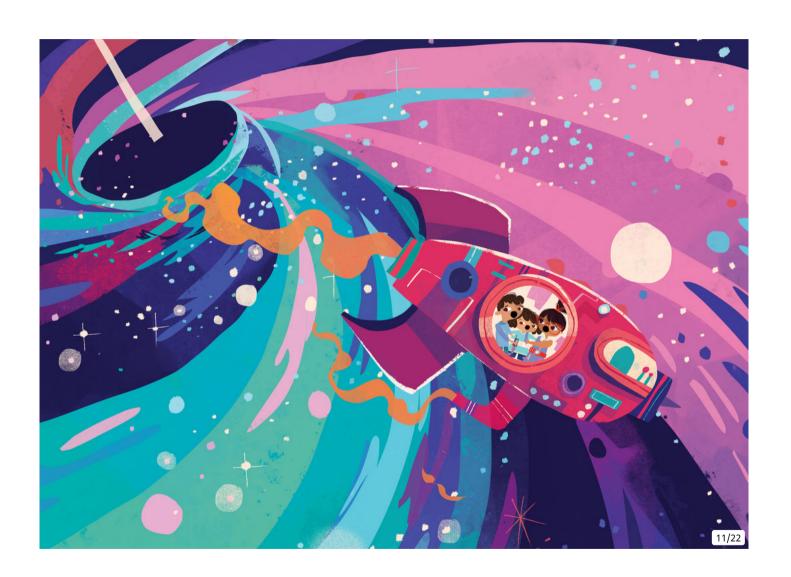
But the pull is too strong.

'APPROACHING BLACK HOLE. 4 KILOMETRES TO EVENT HORIZON. 3 KILOMETRES. 2 KILOMETRES.'

"We're being pulled towards it," Maya says.

Suddenly, the computer announces, 'HOLDING AT 1 KILOMETRE. 500 METRES AWAY FROM EVENT HORIZON. MAXIMUM POWER. HOLDING. HOLDING. HOLDING.



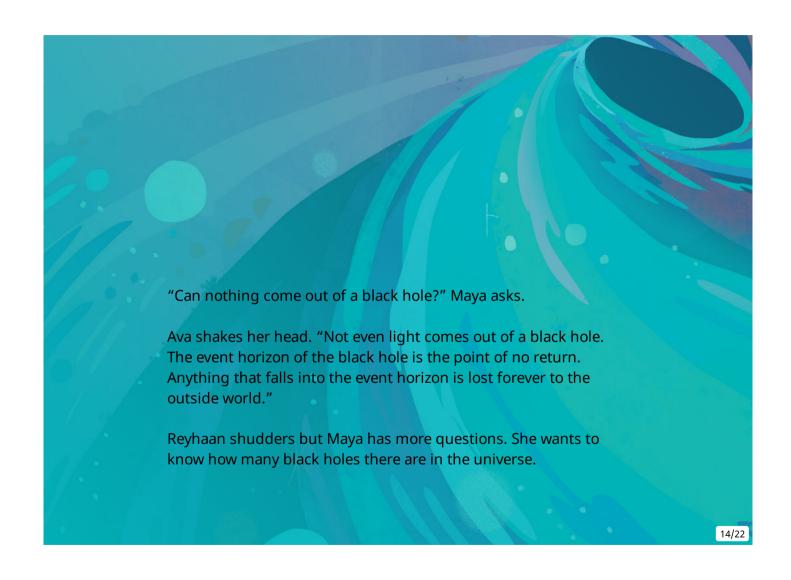


Maya makes sure the spaceship is on the right course and then asks, "Ava, what happened just now? What exactly is a black hole?"

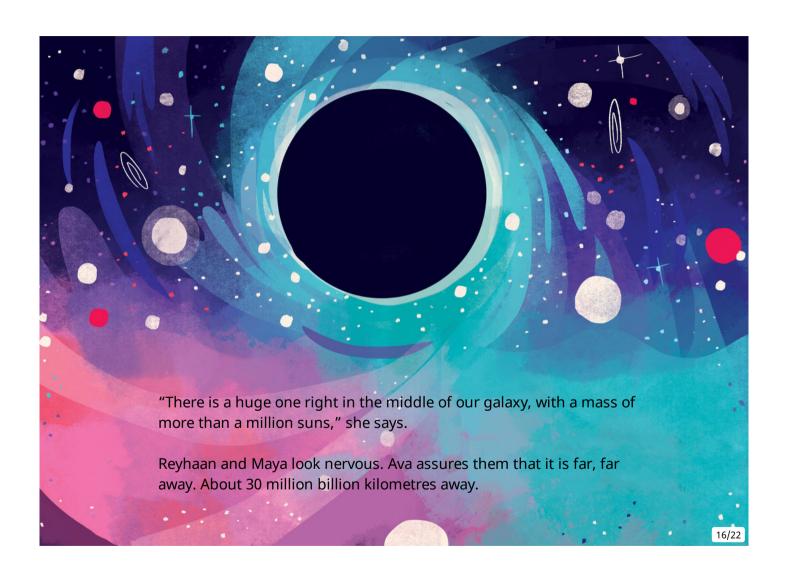
Ava takes a deep breath and explains that when a star larger than the sun dies, it collapses into itself. It squeezes into nothing and becomes like a hole in space.

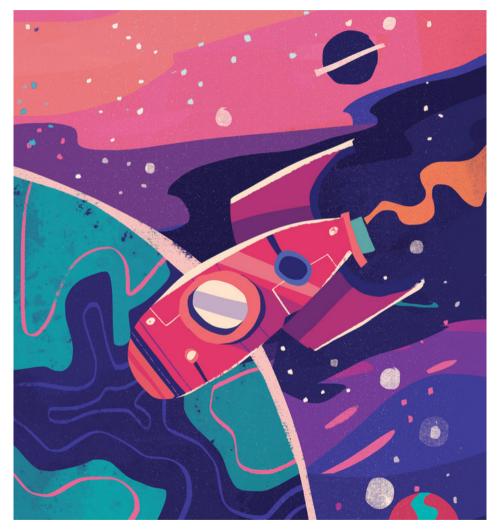
"Even time behaves funnily inside and near a black hole. It runs at a different rate near the black hole from anywhere else," she says.





"Nobody is really sure," says Ava, "But scientists guess that there is, perhaps, one black hole for every thousand stars in the universe. If this is right, then there are a billion billion black holes in total." Ava explains that some black holes have a mass of about that of the sun. But other black holes are much bigger. 15/22





The rocket zooms towards Earth.

"I want to get home now," says Reyhaan.

"I think we are very close," Maya says.

To everyone's relief, the computer announces,

'LANDING. WELCOME BACK TO EARTH.'



The three of them rush out of the ship into Maya and Reyhaan's backyard. They are stunned by the chilly winds that hit their faces.

"Didn't we leave when it was super hot? And I thought we were away from home for just a few hours," says Maya.



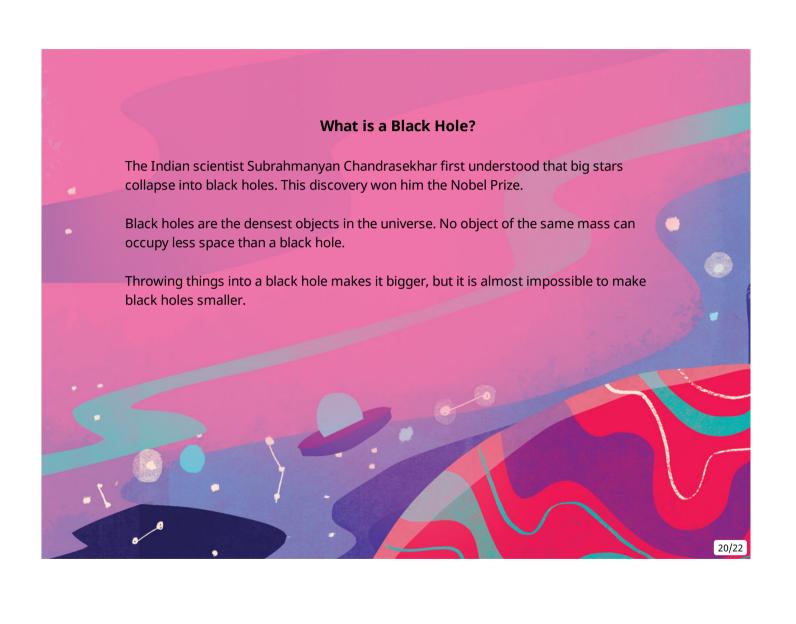
"Maya...Reyhaan...It's winter..." says Ava.

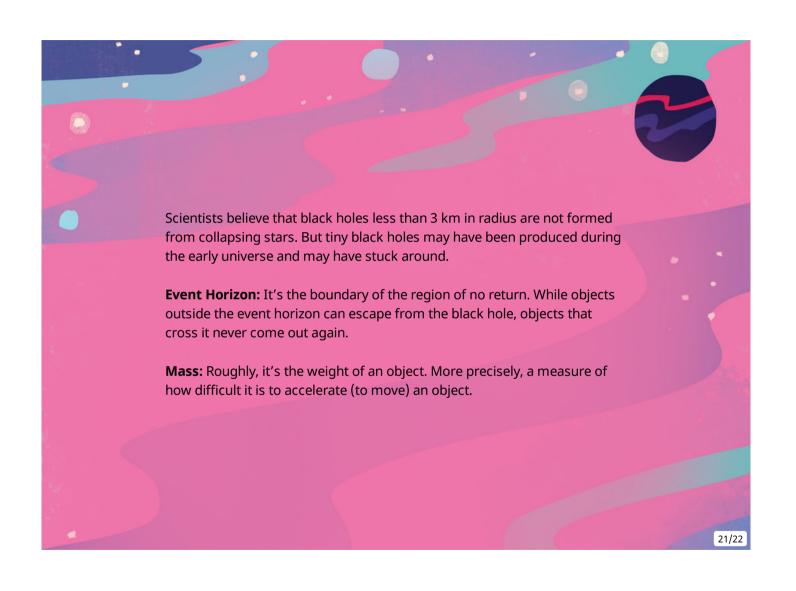
Maya finishes Ava's thought, "Time runs at a different rate near the black hole from anywhere else."

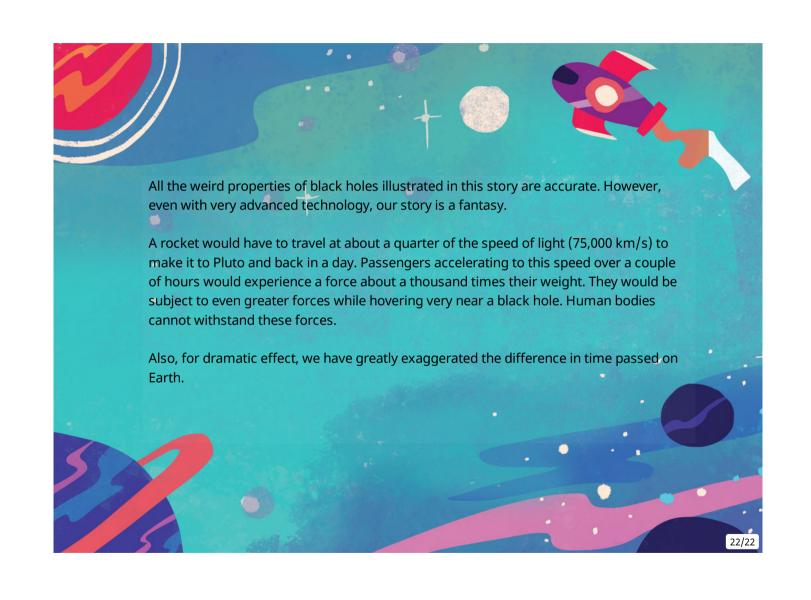
In the time that they had spent fighting the black hole, six months had gone by on Earth.

Maya and Reyhaan's parents had come back from their weekend trip months ago.

The three friends are in big trouble!









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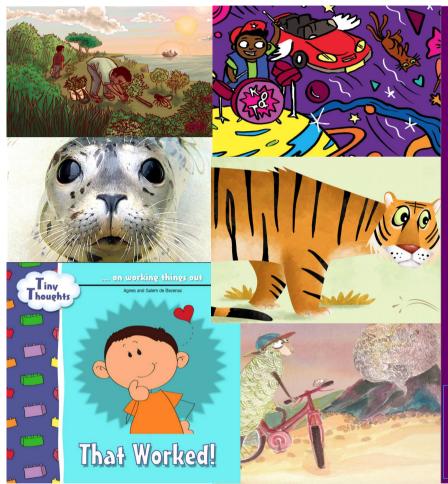
There's a Hole in my Galaxy (English)

Three friends blast off from Earth in a rocket to explore the Solar System. Suddenly, they find themselves being pulled by a black hole. Do they manage to escape? Find out what happens on this space odyssey.

This is a Level 4 book for children who can read fluently and with confidence.



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