



# The $\frac{3}{4}$ 's Magic Bus: Extreme Weather!

By Felix, Fran, Eva, Ezra, Ellie, Raegan,  
Bennett, Izzi, Clara, and Addison



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## Tornadoes by Felix

Hello, my name is Bob, and I've been all over the country as a storm watcher. Today I'll be chasing tornadoes in Pleasanton, KA, in Tornado Alley. Let me teach you about tornadoes!



We're in Tornado Alley and this is a big one! It's a twister: twisters are more than one tornado, or twin tornadoes. Tornadoes will hop, collapse and reform. A tornado's paths are controlled by the thunderhead cloud. You can measure tornadoes by using the Fujita Scale. Tornadoes can reach speeds of 300 mph.

That's a twister →



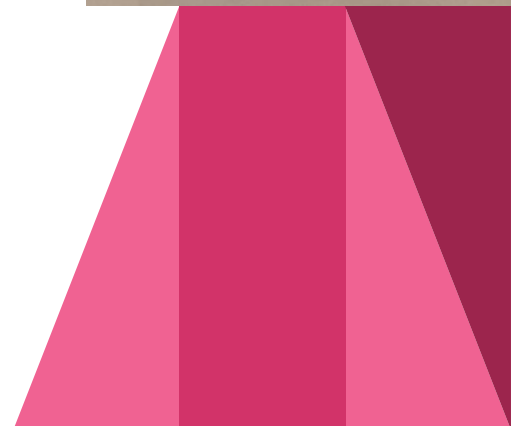
Tornadoes are formed by warm wet air and cool dry air, when they collide they start to spin and they form a vortex.

Did you know that tornadoes can go up to 300 mph. Check out the chapter on tsunamis to learn more about extreme weather!

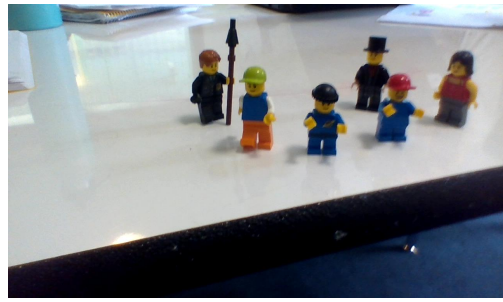


# Tsunamis by Bennett

Hello my name is Jeffy! I will be showing you and telling you about tsunamis. i'm Just so you know, I'm the kid in the picture.



# Famous tsunami



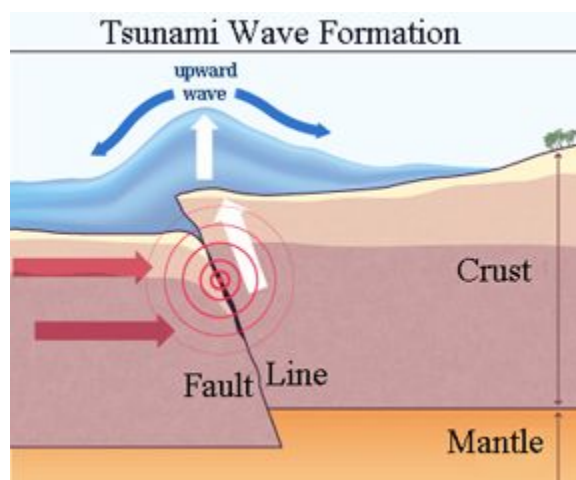
On the morning of November 1, 1755 a great earthquake shook the capital of Portugal right when worshippers filled their churches with candles. The earthquake shook the candles of the tables and onto the carpet and started a fire. Meanwhile tectonic plates under the ocean near Lisbon got shocked by the earthquake, rattled and shoved by each other. The force of the tectonic plates sucked up the water and pushed it out in a series of giant waves that came to Lisbon. It was 100 feet tall and 30 miles wide. it was one of the biggest waves in history.

To find more about tsunami 's, search the web to look up famous tsunamis.



## How tsunamis start

Fun fact: A tsunami usually happens when two tectonic plates crash into each other because of an earthquake near by. Under the tectonic plates is soft rock that builds up a lot of force that moves the tectonic plates. When the tectonic plates move, the force sucks up all the water nearby and pushes it back in a series of giant waves. It also can happen when giant waves hit the tectonic plates and the force takes the water and then pushes it back in a series of waves. But that one is a very rare case!





# Hurricanes by Addison

-Hey Alex did you know that in 2005 a big hurricane hit New Orleans?

-No, what is a hurricane anyway?

-A hurricane is a large storm that forms over the ocean.

-Wow I didn't know that!

-Yup it's true.

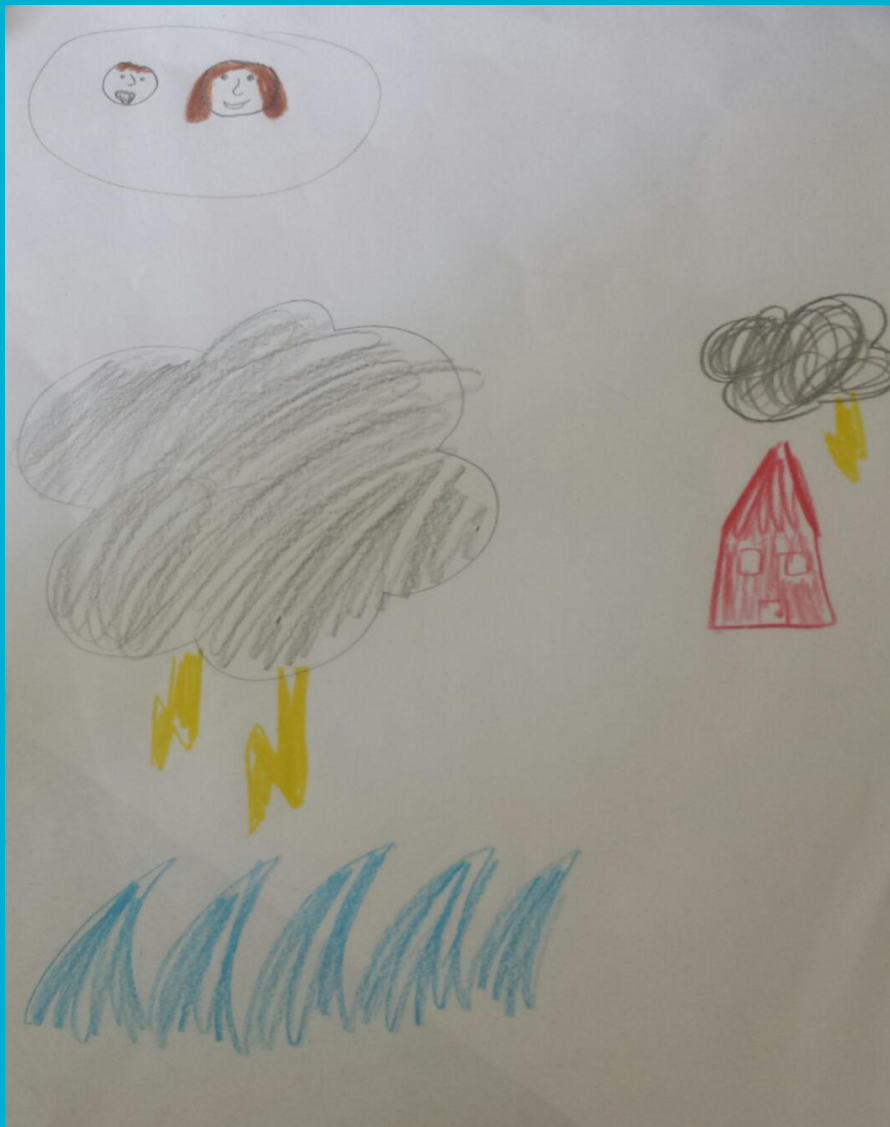
-Cool!



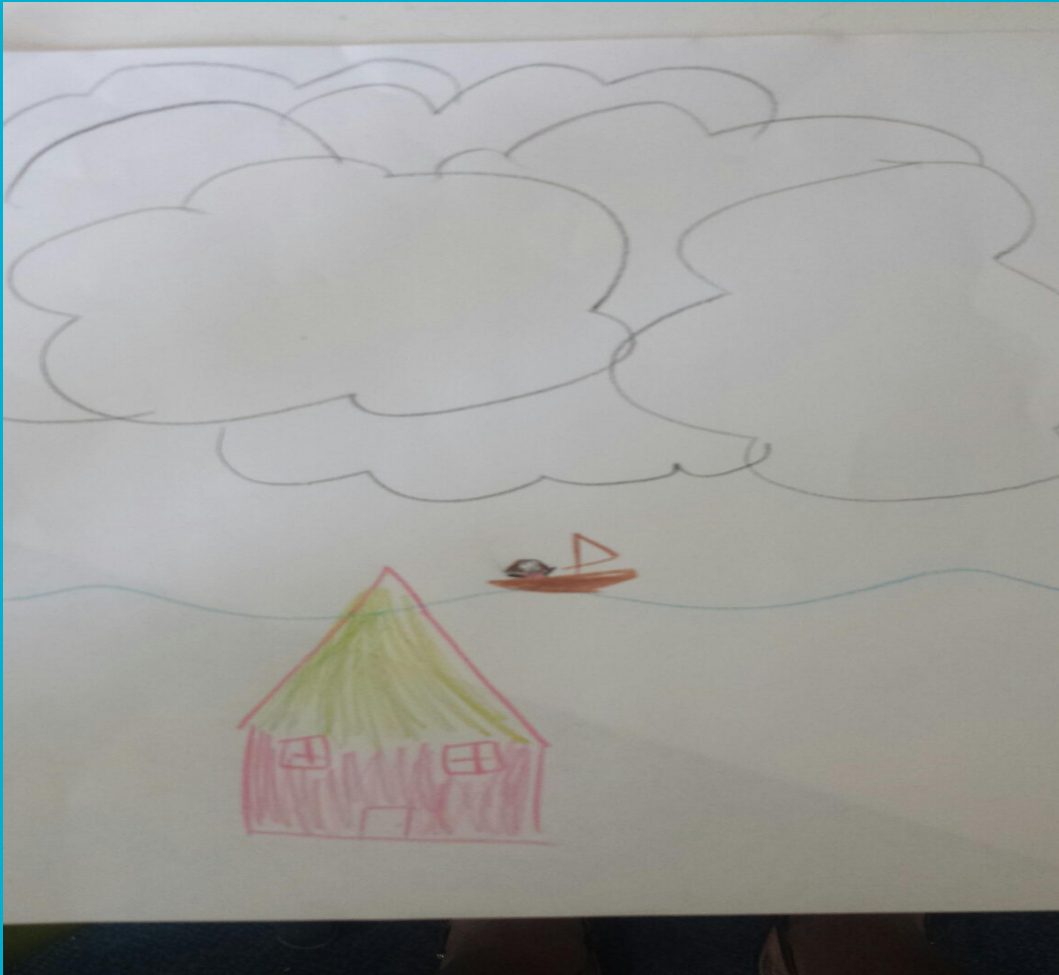
-Oh my gosh the wind speed is 125 miles per hour. I think it's a category 5.

-Wow what is this hurricane called again?

-Katrina. The worst to hit New Orleans. Luckily hurricanes lose power when they hit land.



SC



-Hurricanes are the worst storms on earth. There are 5 categories. The wind speed can get up to 155 miles per hour. They can destroy houses too.

-Wow I'm glad I wasn't there. It was pretty bad.



# Blizzards!

*By Izzi and Ellie*

One day, Creg was on his way to school. He was talking to his friend Tom, about the report due in science class about extreme weather events. "I did my report on the great blizzard of 1888! What did you do your report on?" Tom jumped up, "Huh, what? It's due today and I haven't even started! Can I copy yours?" Creg hit his head with his hand and, and said: "Tom," Creg started to say, but the bus jerked to a stop and the students unloaded.

When Creg and Tom reached the classroom, their teacher greeted them and told them to sit down. “I have exciting news, have any of you ever heard of the great blizzard of 1888?” Creg shot up his hand, “Yes, Creg?” Ms. Frizzy said sweetly. “ I did my report on that blizzard!” “Wonderful Creg! We will be going back in time to the blizzard,” Ms. Frizzy said. Creg shook his head back and forth. “Ms. Frizzy time travel is impossible,” Creg said. As a reply Ms. Frizzy said: “Or is it!” Then as quick as a blink Ms. Frizzy said “go to the bus”. Of course everyone knew what was going to happen next. We all took our seats then in a split second, Ms. Frizzy said “seatbelts everyone,” with a snap of her fingers we swirled and twirled. We were a snowflake and we were off. It was a long flight but finally we were there.



Ms. Frizzy said, “look out the window!” And as you may have guessed we were in 1888’s New York blizzard. It was covered with snow. We were drifting just like a real snowflake and Creg was teaching all about the blizzard “Another fact is a blizzard’s winds are greater than 35 miles per hour.” “Cool,” “awesome,” Everyone said. “A blizzard lasts for at least 3 hours.” Creg started to run off more facts: “The temperature in a blizzard is 20.F (-7.C) or lower and in a severe blizzard is 10.F (-12.C) or lower. Ms. Frizzy pushed a red button and they were back in their seats. “Lunch Time!”

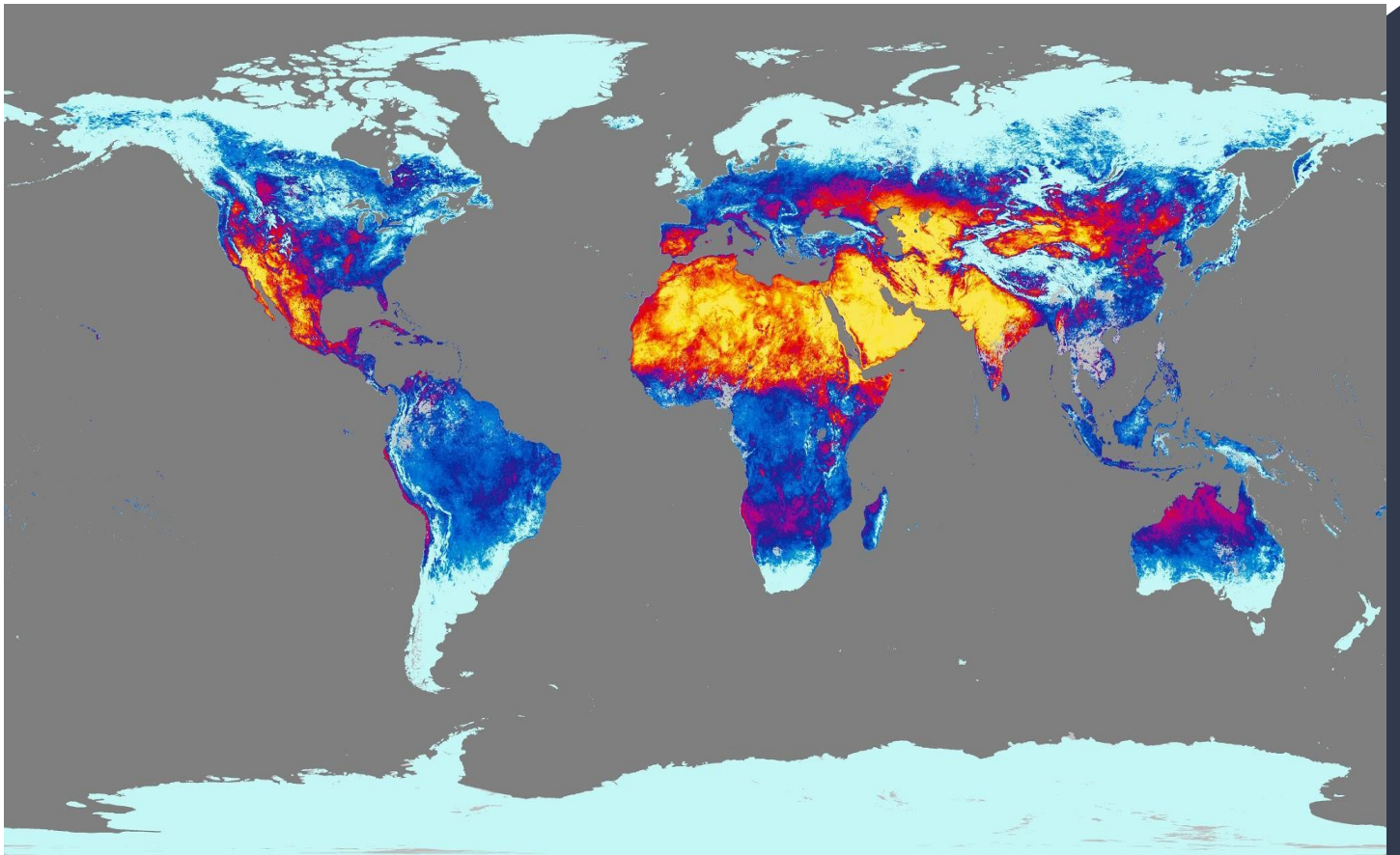
**THE END!**



# An Adventure in a

# Heat Waves

By Fran and Eva



One morning Joe and Zoey were racing to school. When they got there Ms. Bumagonia was making an announcement. The announcement was that they are going to travel back in time to Pakistan to the 2018 heat wave. They got on the bus, then they traveled back in time. On the bus each person got a pencil and notepad.







When they got there, they stepped onto the boiling concrete. It was 124 degrees! Then the bus just went missing. “Oh no!” said Joey . So Ms. B said that they had to walk until they found the bus. So they started to walk. They found some shade so they decided to rest for a while. “So while we wait I will teach you about heat waves. When the temperature rises to really high temperatures over period of time in a certain place, we call this a heat wave. Heat waves can be very dangerous because they pose health risks to those who are most like the elderly and very young children.”



Soon they ended up at Bangabhaban, aka the President's house in Bangladesh. In the driveway they saw their bus. They knocked on the door and asked for the bus back. The president asked why. Ms. B said that they traveled here so they could learn about heat waves by going to a museum. And they learned that approximately 71 have happened between 1999 and 2018. Now we have to get back. So they went back to school and everything went back to normal it had been an exciting day.

THE END

# Floods, by Ezra and Raegan

Once upon a time there was two siblings Camila and Charles. They traveled around the world on the magic VDS bus to Bangladesh and Texas. When they were there there was a big flash flood and it was in both places, Texas And Bangladesh. The VDS bus almost grounded in the flash flood! They were so scared about the flash flood that they set up a security system on the Magic VDS bus but the Magic VDS Bus wasn't that safe.

A flash flood is when water overflows onto a part of dry land. The most common kind of floods are when water overflows from a river or straight to the banks. This can happen because of too much rain, or rapid ice melting in the mountains.



A large storm takes hours or days to develop but flash floods happen without warning. Most floods occur in Bangladesh India China and Columbia.

Back on the bus, the driver was so scared that Camila had to drive through the flood!

So Camilla and Charles carry off on the adventure and encounter another flash flood. Luckily they did not get hurt but their house got damaged.



Floods can happen everywhere, and wherever Camila and Charles go there's a flood that always happens. It is so amazing!



**All About  
Volcanoes** by Clara

We are going to Hawaii everyone!

“Yay!” said the class. The class went to the bus and a few hours later they all arrived in Hawaii. Everyone ran out of the the bus. They were hoping to see beautiful Hawaii but inside they saw a lot of lava rock. The teacher stepped in front of the class to tell them how volcanoes work. The class had so many questions but the one they were all asking was, why is there so much hotrock everywhere? Before they could ask, the teacher started talking.

“Hawaii has many volcanoes. There is one erupting right now! A volcano's magma (hot molten rock) will stay in the volcano for about a decade (1 hundred years). Then the magma gets hot enough to boil up to the surface and then boom! The lava bursts out of the volcano.”



Before we go to the rest of the story let's hear some fun facts

The name of the volcano that is erupting right now is Kilauea

Fun fact: It is more likely to rain and thunder after a volcano erupts.

After the teacher was done talking all the kids raised their hands then the teacher called on Jeff. "Why is there hotrock everywhere?" Then the teacher quickly explained . "There is a volcano that just erupted here." Then Samantha said it might still be happening! Lava came rushing down! Then everyone ran to the bus.





The teacher went as fast as she could. The lava couldn't get to them. Then the teacher yelled "invisibility mode".

Then the bus made a click then the lava picked up the bus! Annie yelled and all the kids screamed. They closed their eyes then before they knew it they were back at school at their desks. Then the teacher said, "Who wants to learn about how climate change works?" Before the class could say no the teacher had already started. "There are gases in the air that absorb the rays of the sun, and causes global warming..."

