



HURRY, HURRY IT'S A
HURRICANE!



Written by Rohan Bernard

Illustrated By Dari Twum-Barimah



Hurry, Hurry It's A Hurricane!

Written by Rohan Bernard and Illustrations by Dari Twum-Barimah

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Dedication

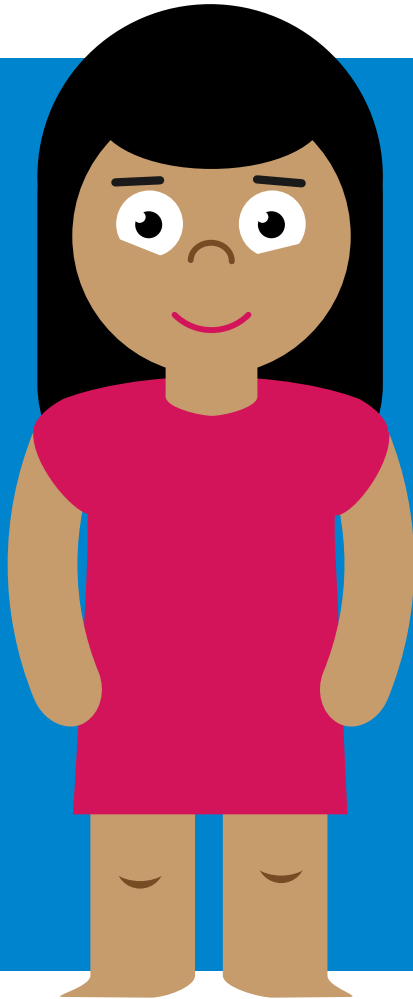
This book is dedicated to our little Climate Kids, Evie, Llewella, Rennie, Renee and Reuben.

We know you will make this world greener.

And to all the Climate Kids around the world, be cool!

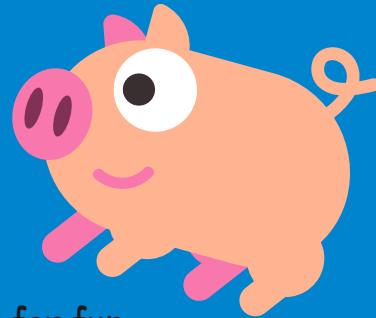


CLIMATE KIDS ADVENTURES



Climate Kid:
Anna Davids

Pet buddy:
Happy the piglet



What she likes to do for fun:

Anna loves riding her bicycle and visiting friends in the village.

What she wants to be when she grows up:

Anna wants to be a doctor, so she can take care of all her family and friends.

Today is little Anna's birthday. She's finally 8! For the last week, Anna has been bouncing all over the village telling everyone not about her birthday, but about Hurricane Sally!



Last year, when Anna was 7 years old she experienced her first hurricane, Hurricane Harry. At first, Anna could not contain her excitement. She jumped up and down on the bed shouting, "Mommy, daddy, hurry, hurry it's a hurricane. Let's watch!"

Mommy and daddy did not share Anna's excitement.



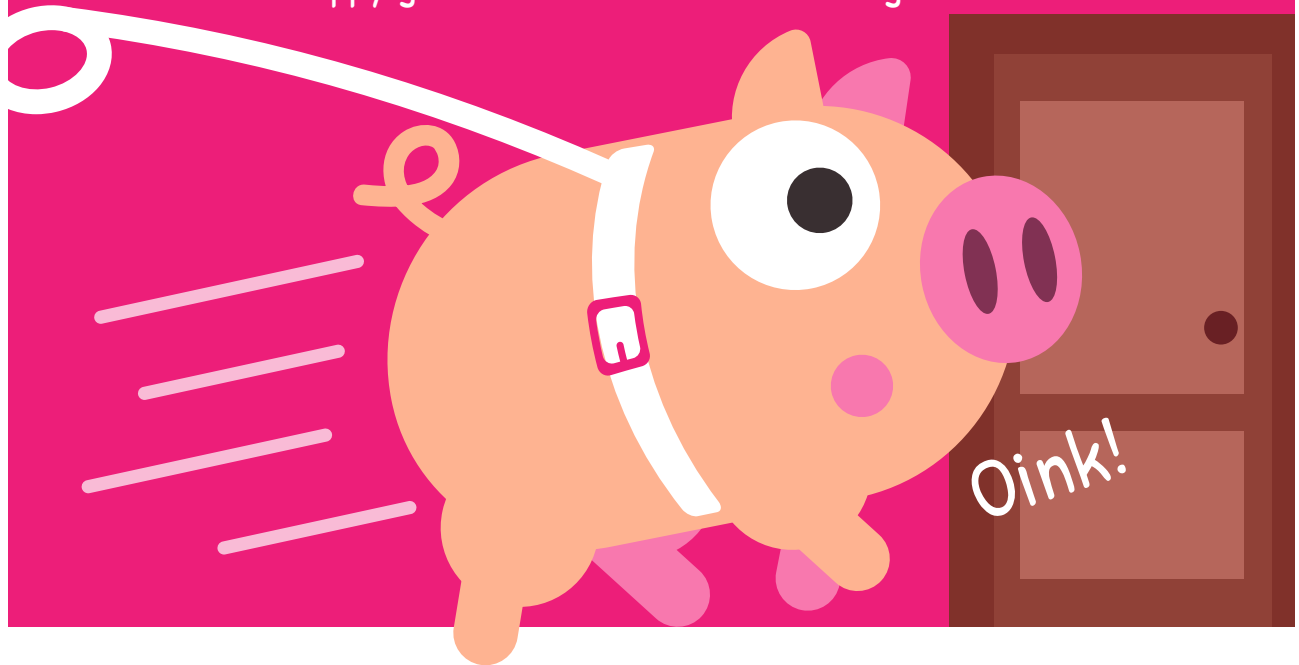
“How bad could it be?” Anna wondered. School closed half day and the TV announcer said school would be closed again tomorrow. She smiled and thought, “I wish a hurricane could come every year.”

Anna imagined a happy cloud sprinkling tiny rain drops over her head. “Tomorrow is going to be great,” she said quietly to herself.



“Anna, let’s go to the shop!” shouted mommy.

Anna jumped off the couch and skipped past her pet piglet, Happy, on her way to the door. “Come on Happy,” she called. As if he knew exactly what she meant, Happy grabbed his leash and ran straight to the door.



By now daddy had trimmed the mango tree next to the house. Daddy explained earlier that it was safer to cut the branches closer to the house, so that they wouldn't break off and damage the windows, roof or powerlines.

Anna loved mangoes and wondered how a hurricane could hurt the house.



Mommy handed Anna a long list of items as they went to the nearby shop.

“Water, candles, batteries, crackers... why are we buying these mommy?” Anna asked. “We need a few supplies to prepare,” mommy replied, walking faster now. “Prepare for what?” asked Anna looking confused.



On their way back from the shop, Anna saw the neighbors hard at work. Some were putting tape on their windows, while others placed sheets of plywood boards. "Mommy, why are they doing that?" Anna asked.

"Sometimes during a hurricane, the wind blows so hard that trees fall down and windows shatter," mommy replied.



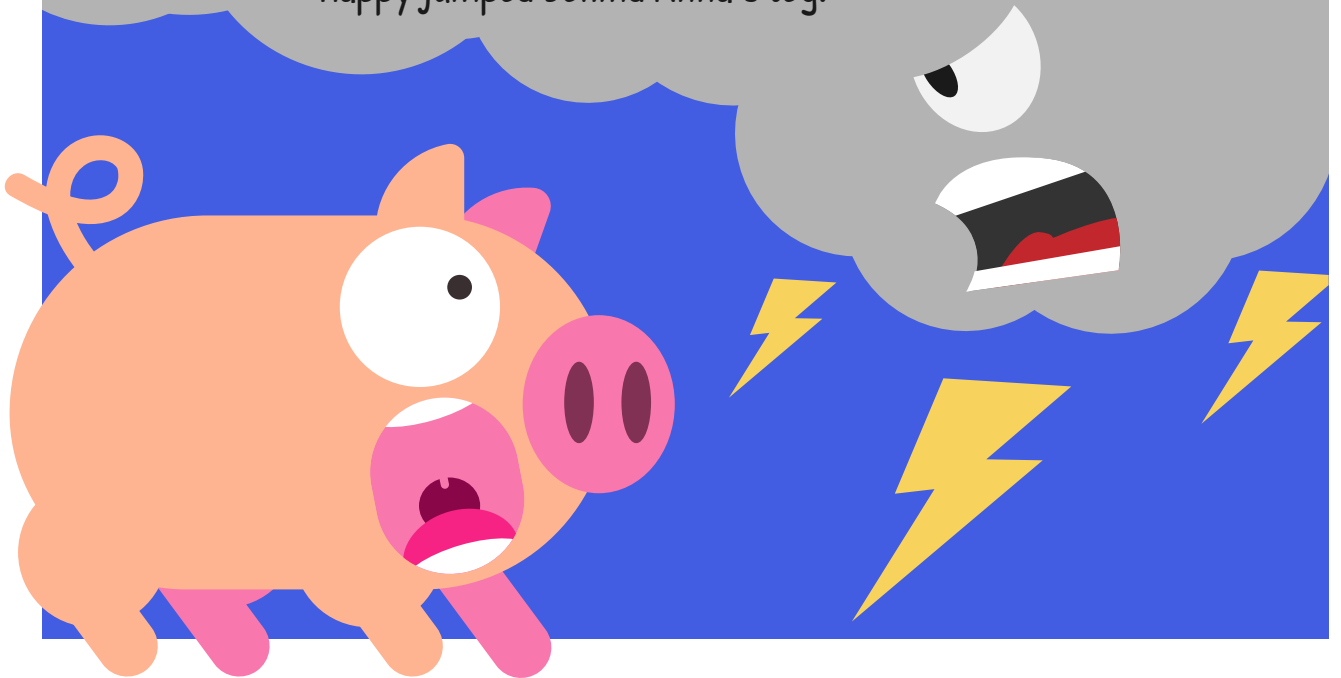
Dr. Dohead, the village vet, was placing sandbags at the foot of his house. Mommy told Anna on their way that sometimes so much rain falls that the water rises and can create a flood.

Sandbags help protect the house from water flooding in.



"Hi Dr. Dohead, where is Roxie and the pups?" asked Anna.
"Hi Anna," Dr. Dohead replied, "they're all locked away for the night. You should keep Happy inside as well. Hurricanes can be scary for piglets too."

Happy jumped behind Anna's leg.



It was getting dark now, and the rain started drizzling as Anna and mommy got into the house. Anna ran inside and jumped on the couch. Happy followed, pleased to be indoors tonight.

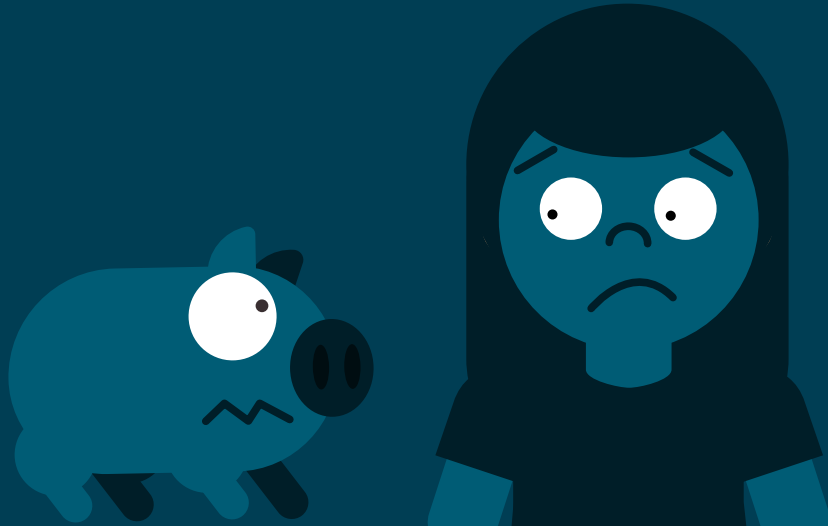
The rain grew heavier and so did the wind.



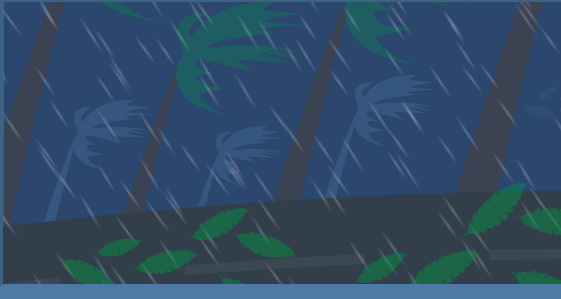
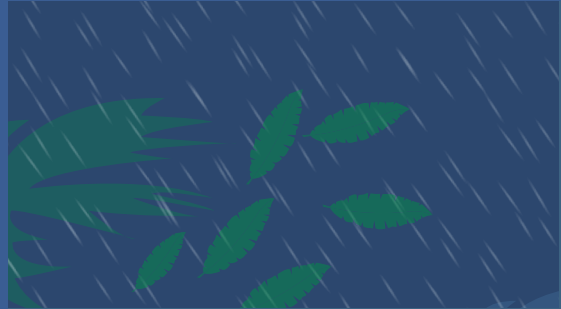
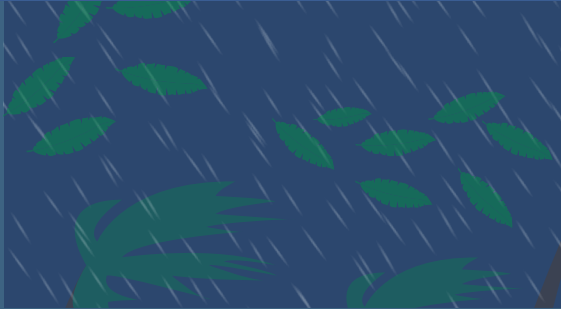
CRASH!

CRASH! Anna jumped at the loud roar of thunder. Her heart was beating really fast. The lights went out and Anna and Happy were surrounded by darkness.

The wind howled louder and louder and suddenly the roof was shaking.



Anna peeked outside. She saw Miss. Mary's coconut tree swinging left and right, at times touching the ground. Leaves and branches covered the streets. Some looked like they must have come from Mr. Roberts' fig garden.



Anna was frightened and so was Happy. She ran to her parents' bedroom and hid under the covers.

"This is no fun," she moaned. "When will it stop mommy?"
"I don't know, honey. We just have to wait and pray," said mommy.



Hours went by. The sky roared with thunder and flashed with lightning.
Anna covered her ears and shut her eyes tight,
wishing Hurricane Harry would just go away.



Morning came and Hurricane Harry had finally passed. Anna was relieved and hugged Happy so tight his pink skin turned red.



The sun was out and the wind was calm, but outside was very different from the day before. Roofs were gone, electric poles and trees had fallen down, and there was rubbish all over.

Anna was sad and wanted to know how to stop this from ever happening again.



"Mommy, what is a hurricane?" Anna questioned.

"Well Anna," mommy replied, "a hurricane as it is called in the Caribbean is a really powerful tropical storm."

Hurricane



More About Hurricanes

Hurricanes only form over really warm ocean water of 80°F or warmer. The atmosphere (the air) must cool off very quickly the higher you go. Also, the wind must be blowing in the same direction and at the same speed to force air upward from the ocean surface. Winds flow outward above the storm allowing the air below to rise.

Hurricanes typically form between 5 to 15 degrees latitude north and south of the equator. The Coriolis Force is needed to create the spin in the hurricane and it becomes too weak near the equator, so hurricanes can never form there. [Reference: <http://www.weatherwizkids.com/weather-hurricane.htm>]

Category	Winds Speeds	Types of Damage
1	74-95 mph	Category 1 storms usually cause no significant structural damage to most well-constructed permanent structure
2	96-110 mph	Storms of Category 2 intensity often damage roofing material (sometimes exposing the roof) and inflict damage upon poorly constructed doors and windows
3	111-129 mph	These storms can cause some structural damage to small residences and utility buildings, particularly those of wood frame or manufactured materials with minor curtain wall failures
4	130-156 mph	Category 4 hurricanes tend to produce more extensive curtainwall failures, with some complete structural failure on small residences
5	157 mph or higher	These storms cause complete roof failure on many residences and industrial buildings, and some complete building failures with small utility buildings blown over or away

Reference: <http://www.nhc.noaa.gov/aboutsshws.php>

“During our hotter months, when the ocean gets really hot, this can lead to tropical storms. When these storms have very strong winds, heavy rain showers and a large group of thunder clouds rotating around the center or eye, we call them hurricanes.”

Anna and Happy listened intently.



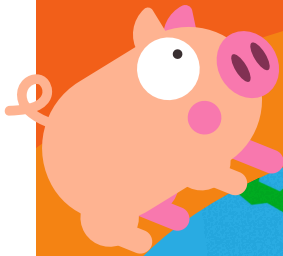
“Scientists believe that we are seeing more hurricanes due to global warming,”
mommy continued.

“Global warming?” “Oink?” asked Anna and Happy at the same time.

“Yes, global warming is the earth getting hotter over time,” mommy said.

“And the hotter it is, the bigger and stronger the hurricanes will be.”

Anna gasped, now more worried than ever.



“But what causes global warming?” Anna asked.

“Lots of things, but mainly what we do, such as pollution from vehicles, factories, and bush fires. All of that and more goes into the air as pollutants and trap heat,” explained mommy.”

“Happy we need to do something!” Anna shouted. “Oink!” Happy agreed.



One year has passed since Hurricane Harry, and since then Anna and Happy have been on pollution patrol in school and in the village. She learned all she could about hurricanes and now she is prepared.



Anna encourages her friends to throw all garbage in the garbage bins, wash and reuse plastic cups, plates and forks, plant gardens where they could, and most importantly tell everyone about global warming.

Anna believes that if everyone worked together, they could help stop global warming.



Listening to the radio later that evening, Anna and Happy hear the announcer say, "Hurricane Sally is expected to make landfall in Windward Islands over the next 48 hours."

"Let's go Happy." Anna jumped on her new bicycle and sped down the road shouting...

**"Hurry, hurry,
it's a hurricane!
Let's prepare!"**





Greenz Climate Champions Toolkit

An interactive climate change toolkit for primary schools in Grenada, Carriacou and Petite Martinique. The target groups of the toolkit are educators and primary school students (grade 3-6). Participating students could be involved in community and research projects in their respective parishes.

For information and resources about the Greenz Climate Champions climate change tool kit visit:

<http://www.gov.gd/articles/greenz-champion/greenz-climate-champions.html>



Little Anna is now 8. Last year when she was 7, Anna experienced her first hurricane, Hurricane Harry. At first Anna could not contain her excitement, but little did she know how scary hurricanes can be.

Before the hurricane, Anna watched as the community prepared for Hurricane Harry, often wondering “what was the big deal?”

Come on an adventure with Anna as she experiences her first hurricane and learns what causes them. Also explore with Anna the impact of hurricanes and how we can all prepare for them.

With her trustee pet piglet, Happy, Anna becomes a Climate Kid, dedicated to protecting the environment and adapting to climate change.

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The ICCAS project is part of the International Climate Initiative (IKI). The German Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) supports this initiative on the basis of a decision adopted by the German Bundestag. It is implemented by the Government of Grenada, through its Environment Division, Ministry of Education, Human Resource Development and the Environment, in collaboration with the Deutsche Gesellschaft für Internationale Zusammenarbeit (GmbH) and the United Nations Development Programme (UNDP).

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