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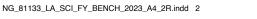




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ADVENTURES IN SCIENCE

Meet Ada

Mēēt Ada. She has a sister named Sara.

Ada loves Science. Science teaches Ada about the world around her. She tells Sara the things she learns.

Ada and Sara ask a lot of questions. Together, you will explore and find answers with them.

Ada and Sara will teach you more facts!



Weather

Ada and the Sun

The sun is in the sky today. It is big and yellow. It is a circle.

Ada steps outside. She feels the dry soil under her feet. Her skin is warm. She wants to spend tīme in the hēat. She is excited!

Ada puts on her shoes. She calls Sara to play games. They plāy tag. Ada chāses Sara. Sara scrēams, "You cannot catch me!" They run all over town for a long time.

It gets hotter out. They run slower.

Sara feels tired. She tells Ada, "I feel too hot."

Ada says, "We should go home. It is cooler inside." Ada takes Sara back. She gives Sara water. They sit and drink it. Sara tells Ada she feels better. Ada tells Sara, "When the sun is in the sky, we can feel too hot. We need to drink on hot days." Water helps us stay cool.

They learn to drink water to stay cool on hot and sunny days.



Ada and the Wind

Ada and Sara walk to school in the mornings. Sara cannot fit her homework papers in her bag. She holds some of them.

They fēēl a cold gust of wind. The trēēs swāy sīde to sīde. Leaves fall from the trees.

Ada tells Sara, "Listen to the wind." They hear a soft "swoosh." The wind moves past their ears.

A big burst of air blows their way. Ada yells, "Sara, hold your papers tight in your hands!"

Sara did not hēar her. Her homework flies away. Ada chases after them. She catches each one.

Ada tells Sara, "When the wind blows, it feels cold." They learn to hold on to their things on windy days because the air moves fast.



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Ada in the Rain

Ada is outside. She sees big soft clouds in the blue sky. They are whīte. The wind blows. The clouds move fast.

She yells, "Sara, come look!" Sara mēēts Ada in the yard. They look at the white clouds together. The clouds are shaped like animals.

Ada tells Sara, "That cloud is shaped like a dog!" Sara laughs. She finds one and points. "That one looks līke a frog!"

A gust of wind mākes them fēēl cold. They sēē the dark sky. Now, it is grey. The white clouds are gone.

Ada grabs Sara and says, "We must gō hōme. We will get soaked."

"How do you know?" Sara asks.

Ada tells Sara, "If you sēē a dark sky, it will rāin soon. Water will fall!"

It starts to rāin and they get wet. They run hōme to drȳ off.

Ada and Sara learn to bring an umbrella when the sky is dark and grey. It will keep them dry on days with rain.



Plants

Ada's Garden Grows

Ada and Sara love to eat fruit. Sara asks Ada, "Where do they come from?" Ada says, "Let me shōw you!"

They go outside to their garden. They find Dad too.

Ada shōws Sara the lēaves and trēēs. Their garden has mangoes, onions, and cassava! She says, "These sprouts are plants. Plants grow from the ground."

Dad shows Sara and Ada how to plant. They dig holes and fill them with seeds. Then, they water them.

Ada says her favourite fruit is mango. Sara asks, "Can I try it?" Ada says, "Yes!" She runs to the trēē with big lēaves. She picks off a small, green fruit and washes



it. She shares it with Sara. Sara takes a bite and says, "Why does it taste odd?"

Dad tells them, "The food is not rīpe yet. If they are big and yellow, they are swēēt."

The next day, Ada finds a mango higher in the tree. It is dark yellow. She gives it to Sara. They enjoy the taste of the sweet fruit.

Ada tells Sara, "We can grōw plants for food! If they are rīpe, they are swēēt to eat!" They learn to care for their garden.

Ada Makes a Basket

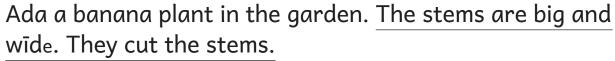
Mom picks ripe fruit and vegetables from the garden. She will wash them. Dad will ūse them to cook.

Mom tries to carry the food. It is too much to hold. She drops some. Ada runs to help. She says, "Do we have a basket? It will make it easy to carry this food."

Mom tells her they do not. Ada says, "What if we make one for the garden? Then it can hold things!"

Mom loves the idea. She tells Ada, "You can māke it with plants!"

The next day, Mom shows



They bring the stems to Dad at home. He puts them in water. It makes them soft.

<u>Dad tugs</u> the wet stems apart. These strings of stem are called fibres. Dad shows Ada how to cross the fibres over each other. <u>To māke things with thēse strings is to wēave</u>.

Ada helps Dad wēave. They finish making the basket. They use it to bring food insīde!

Ada knōws she can māke things with plants for what she nēēds!



Ada Under the Shady Tree

Ada and Sara līke to spend tīme with Mom. Today, they go on a walk. It is hot. The sun is out. Ada brings water for everyone.

On their walk, Sara gets tired. She asks Ada, "Why does my skin hurt? It feels like it burns." Ada says, "The sunshine is strong and bright. It might be sunburn. We can gō fīnd shāde."

Ada fīnds a big trēē by the rōad. Its trunk is wīde. It hīdes the sun.

She tells Sara and her Mom to rest by the trēē trunk. She takes out the water. She gives it to them to drink.

The air is cool. Ada tells Sara to take breaks in the shade when it is sunny. It will keep her skin safe.

Ada says, "Plants like trēēs can kēēp us cool when the sun is in the sky." They learn to use plants for shade.



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Animals

Ada's New Friend

Ada and Sara go to sēē a friend. Their friend has great news. They have a dog! It gave birth to puppies. Ada and her family can keep one!

Ada and Sara meet the puppies in the yard of their friend's house. They plāy with the small dogs. Ada thrōws sticks and the dogs run to catch them. The girls have fun getting to know the puppies.

Ada and Sara pick a pet. The pup has dark fur and a whīte spot. They are excited to bring their pet home.

The puppy barks and it sounds like singing. They nāme him Roo.

Sara asks Ada, "How do we take care of Roo?" Ada tells her, "We can take him on walks. We can plāy with him. We can fēēd him and clēan him. We can kēēp him sāfe."

Ada and Mari learn that dogs can be pets. A pet is an animal to look after and love. They are happy to have Roo!



Ada Likes to Cook

Ada likes to cook breakfast for her family. Sara līkes to help. One day, they make beancakes for the family. They do not have enough for everyone!

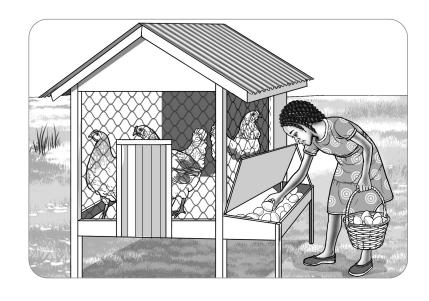
Sara asks Ada, "What can we do?"

"I have an idea! We can gō to the yard," Ada says.

Ada shows Sara their chickens. She tells Sara, "They māke eggs. They sit on the eggs to kēēp them sāfe. We can ēat them."

Ada tākes some of the eggs. She gives them to Sara. She lāys the eggs in her hands. They will cook the eggs.

They stop by their garden.
They pick some tomatoes and peppers too.
When they gō hōme, Sara helps Ada cook a mēal. It has eggs, tomatoes, and



peppers. They bring the food to Mom and Dad. They eat together. It smells and tastes good.

Mom and Dad say, "The food is yummy! Thank you for cooking."

Sara replies, "We made it with the help of our animals!"

Ada tells Sara, "Yes, they can give us food!" They are excited to learn how to cook new meals together.

Ada Gets Help

Ada's aunt lives on a farm on the other side of town.

Ada, Sara, and Dad līke to sēē her. They gō to get plants and food.

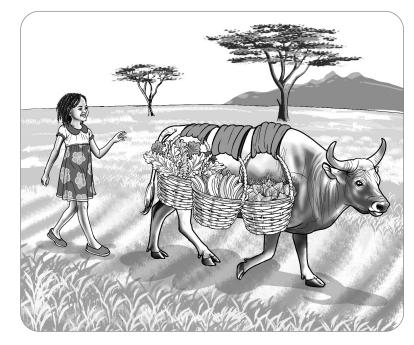
They walk to the farm with the baskets they made.

When they get there, Sara points to new fruits and vegetables. She asks Ada, "What are thōse?" Ada says, "Those are bananas. And those are cucumbers. And that is lettuce!"

Ada and Sara pick the food. They cannot carry all of it with Dad.

Ada's aunt says,
"I can help. My
ox can bring the
food!"

She goes to her barn. She brings her ox back. Ada



and Sara throw the food into bags. Dad sets the bags on the back of the ox.

They walk home together. They let the ox rest. Ada, Sara, and Dad bring the food in. They cook the plants they got. They māke a mēal for Mom.

Ada and Sara learn that animals can help move things.

Staying Healthy

Ada Washes Her Hands

Ada and Sara love to play during break time at school. Today, Sara goes to the bathroom before she meets Ada. She does not want to wāste plāy tīme. She does not wash her hands!

Later, Sara's stomach starts to hurt. She leaves school before class ends.

When Ada gets
hōme, she asks Sara
why she left. Sara
says, "I fēēl sick."
Ada asks Sara,
"Did you wash
hands todāy?" Sara
says she did not.
Ada tells Sara,
"You must wash
hands so you do not

get sick."



Then, Ada goes to the bathroom. She finds the first aid box. She asks Mom for help. Mom shows Ada the medicine for when someone is sick.

They wash hands and give it to Sara. Later, Sara starts to feel better.

Ada teaches Sara to wash her hands often. They learn how to stay healthy. They know to wash hands to keep safe.

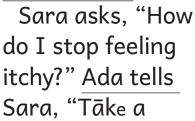
Ada Stays Clean

It rained last night. The ground is muddy today. But there is sun! Ada and Sara are happy. They gō to plāy in the yard.

Ada likes the warmth after the cold night of rain. She līkes the sun rāys. She and Sara run around. Sara gets mud on her clōthes. It is in her hair too!

It is time to get ready for school. Sara does not bāthe. She gōes to school with mud on her skin and clōthes.

Later, her skin feels itchy. She does not feel well.
Sara asks Ada, "Do you feel itchy too?" Ada says, "Nō, I took a bath. I got clean clothes too."





bath with sōap ēach dāy. Use clean water. It will wash off mud. It will take dirt off your skin."

Sara bāthes when she gets hōme. She feels better!

Ada teaches Sara about bathing. She tells Sara, "Tāke a bath to fēēl clēan!" They learn a new way to keep healthy.

Ada Brushes Her Teeth

Ada līkes to bāke. She bakes cassava cake and butter biscuits. She gives them to Sara. They are Sara's favourites.

Sara līkes to ēat swēēts. She bites a biscuit. She fēēls pāin in her tēēth when she ēats it.

Sara says, "My teeth hurt. What should I do?" Ada asks, "Have you been brushing your teeth?" Sara says, "I keep forgetting to brush my teeth."

Ada wants to help her. She has an idea. She tells Sara, "We can brush at the same time!"

At night, they put toothpaste on their toothbrushes. Then, they scrub their teeth.

They brush at the start and end of the day. Sara's teeth start to feel better after some time. Now the pain is gone. She keeps brushing!

Ada helps Sara brush her tēēth ēach dāy. Brushing teeth two times a day helps them stay healthy and clean.



Keeping Our Home Clean

Ada Takes Out the Trash

Sara forgets to tāke awāy the trash in her room. She lēaves her food scraps. They are on the floor. She sēēs ants march. Flies buzz too. She does not līke bugs.

Sara asks Ada, "What wāys can I stop the bugs?" Ada says, "Bugs līke to ēat food. They eat fruit peels too.

Take out the trash to keep the bugs away."

Sara fīnds a trash bag. She picks up the trash off the floor. Ada helps her. Ada takes Sara outside and points to the bins. She says, "Set the trash in thēse bins."

Ada tells Sara, "Thrōw trash in bins to kēēp the hōme clēan!" They learn how to care for their home.



Ada Helps at Home

Ada and Sara's cousins will visit their house soon. They have not seen their cousins in a year. They are happy to see them.

They want to welcome their family. They take out pencils and paper to make them cards. They will write a

note and draw pictures.

They work on the cards every day. They put a lot of time into making each card special. They do not have time to do their chores.

Ada and Sara start to snēēze.



Their skin starts to itch. They feel sick.

They see dust on the floor and the table. <u>Sara asks</u>, "What can we do?" Ada says, "We can clēan the hōme." <u>They swēēp the dust</u>. They mop the floors. They wipe the table.

They do these chores every day. Ada and Sara feel better after some time. They finish their cards. The home is ready for their family to visit.

Ada tells Sara, "We nēēd to clēan the hōme a lot." They learn a new way to care for their home and stay healthy.

Ada and the Dirty Dishes

Ada and Sara help Mom and Dad with chores. Sara has to clean the dishes.

Sara has a lot of school work. She does not wash the dishes. She forgets to wash the plātes and cups for a wēēk.

Sara tells Ada, "Ōh nō! It smells bad. There are black spots on the dishes in the sink."

Ada says, "There is mould on the dishes. It is bad to smell and ēat. It will māke us sick. We need to clean the dishes every day."

Ada helps Sara clēan the plātes and cups with sōap. They use hot water too. They scrub off the mould. There is no more mould. The smell is gone.

Ada tells Sara, "If we ēat, then we must wash the plātes and cups. Then the hōme will be clēan." They learn another way to keep their home healthy for everyone.



Getting Water

Ada Cleans the Water

Dad is in the garden. <u>It is hot todāy.</u> He is thirsty. Sara gives him water from a bucket outside. <u>Then Dad fēēls sick for some dāys.</u>

Sara asks Ada, "Can we help Dad?" Ada says, "Yes. We can get him medicine.

Ada asks Mom for help. Mom shows them the first

aid box. They get medicine. They give it to Dad. Sara asks, "What else can we do?" Ada says, "We can give him water too."



Ada and Sara go

to the kitchen. She shows Sara how to boil water. Sara asks, "What does it mean to boil water?"

Ada says, "It mēans to hēat it. You will see bubbles. If you sēē them, then it is clēan. It is sāfe to drink. You can kēēp it in a clēan jug too."

Sara tells Ada, "I did not hēat what I gāve Dad. The water was not boiled. Do I need to boil it all the time?" Ada says, "Yes, you nēēd to. You have to boil water all the time. We need to drink water that is safe. If you hēat it, it is sāfe."

Ada teaches Sara how to boil water. They learn how to keep everyone safe.

Ada Finds Water

It is hot today. The sun is out. Ada and Sara gō to the well. They get water to boil. It can be ūsed to cook with and drink. Ada lowers the empty bucket. Sara tugs the rōpe. She pulls the bucket up.

Sara is shocked. She says, "Ōh nō! The bucket is still empty. It is not full of water! The well must be dry! What do we do?"

Ada tells Sara, "I have an idea. We can gō hōme and get Mom and Dad. We will go to the river."

They run hōme. Everyone grabs big jugs. They walk to the river next to their village.

Sara sees the river for the first time. She says, "Wow, Ada. Rivers have so much water!" Ada tells Sara, "Yes, it flows here. We can fill up the jugs and drink it when we get home. We can get water from rivers too!" They walk home with full jugs of river water. They heat it. They see bubbles. They know it is safe. They drink some. The rest goes in clean jugs. They learn a new way to get water.



Ada Cooks With the Rain

Ada and Sara want to help Dad cook. They need water. They walk to the river and bring their buckets. Sara points to the sky, "Look! The sky is dark."

Ada says, "Yes, the sun is gone. Do you know what it means if the sky is dark?" Sara tells Ada, "I remember! It might rain."

Ada replies, "Yes. We should hurry. We do not want to

get wet!"

When they get to the river, Sara is surprised.

"Ōh nō! There is trash in the river." Ada tells Sara, "You are right. We should not take this water. If it has trash, it is not sāfe to drink."

Sara asks, "Can we still help Dad?" Ada stātes,

"Yes! I have another idea to get water!"

They gō hōme. Ada tells Sara, "We can grab clēan jugs. We will leave them outside. It will collect rain. Rāin is sāfe. We can ūse it to cook and drink."

They watch raindrops fall. They listen to the sound of "pitter, patter." They bring in the jugs. They are full of rainwater.

"Now we are ready to boil it and cook," Ada says. Ada tēaches Sara that she can get rāin! They learn another way to get water.



Crossing the Road

Ada Walks a Safe Path

Ada and Sara līke to plāy with Roo. They love to throw Roo's red ball across the yard. The red ball is his favourite. He līkes to catch it.

It is windy outside today. The air blows the ball onto the road. Sara wants to run and get it.

Ada yells, "Stop! Do not gō onto the rōad. There is a biker coming."

Sara stops quickly. She says, "I did not sēē them!" Ada replies, "I do not want you to get hurt. You nēēd

to look both ways to cross the road."

She shows Sara the white striped crossing. She says, "This crossing is a safe path to walk. If you see the white stripes, use this path to cross the street."

Sara nods. She looks bōth wāys. Ada looks too. There



are no cars or bikes. They use the white stripe crossing and pick up the red ball. They throw it to Roo. Roo barks happily.

Ada tēaches Sara to ūse the whīte strīpe path. They learn how to be safe on the road.

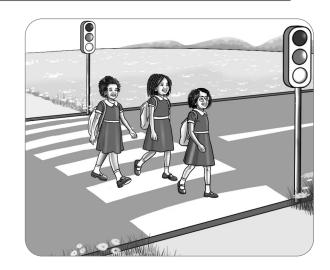
Ada Follows the Road Rules

Ada, Sara, and their cousin walk to school together. They go on the white stripes on the road. Those foot paths are sāfe.

On their way, Ada's little cousin tries to cross the road. Ada yells, "Wait! There is a car!" Their cousin stops. Sara tells them, "Look both ways. Then you can cross."

Then Ada points to the traffic light. She says, "The traffic light has three circles. Look at the colours. Then you will know if cars will gō."

Sara says, "Look! It is grēēn. What does grēēn mēan?" Ada replies, "Grēēn



mēans cars can gō. It is not sāfe to cross the rōad."

Their cousin points and says, "It is yellow now! What does that mēan?" Ada tells them, "Yellow mēans cars will gō slōw. It is still not sāfe to gō on the rōad."

They wāit. The traffic light turns red. Ada tells them, "Red mēans stop. Cars will stop. It is sāfe for us to gō on the road."

Ada, Sara, and their cousin get to school safely.

Ada teaches others the colours of a traffic light. They learn that it is safe to step on the road when the traffic light is red.