



Endeavour
Energy

POWER
together



Billy Sparks and the wonder of electricity!

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Chapter One

Let's learn about Billy Sparks and his life



Billy Sparks is no ordinary kid - he's a junior scientist with a BIG dream!

Billy loves doing science experiments. He is always asking questions about how things work.

One day, he hopes to work with electricity - just like his dad.



Billy's dad teaches him important lessons about staying safe around electricity.

“Electricity is powerful, Billy,” Dad says.

“Never play near electrical equipment and always tell an adult if you see something dangerous.”

Billy's dad works as a powerline worker for Endeavour Energy in the beautiful Blue Mountains near Sydney.



Dad climbs very tall power poles with his crew - but only because he is specially trained and wears all the proper safety equipment.

Billy thinks that is pretty amazing!

Every September during Electricity Safety Week, Dad even visits Billy's school to teach students how to stay safe around electricity.

Chapter Two

Electrical safety near powerlines



When Dad talks to Billy's class, he explains that water and electricity are a dangerous mix.

“Electricity and water do not get along,” Dad says. “Stay well away from electrical equipment, especially if it's wet.”



Billy learnt that you should never fly a kite or a drone near powerlines - they can get tangled or become stuck and it could be dangerous, it is best to stay far away!

Dad told Billy, “If you ever see a powerline that has fallen on the ground - stay 8 metres away.”

An easy way to remember - 8 metres is as long as a school bus!

Electricity can 'arc' and 'spark' through the air even if you are not touching the wire!

Dad also said during big storms, "It's safest to stay inside and away from windows."

Billy imagined a sparking powerline and quickly nodded. "Got it, Dad. I'll stay far, far away!"



Billy's Dad explained if you see something dangerous - like a fallen powerline, fire, or someone who is hurt - you should tell an adult straight away to report it to Emergency Services.



He reminded him the Emergency number in Australia is **000** (triple zero).

Dad told Billy about a helpful planning tool called 'Look Up & Live'. It shows where powerlines are located by using satellite images. It means, people don't accidentally hit powerlines, especially if they drive big trucks cause it's dangerous!

Dad's friend *Cookie* who lives in Queensland helped make this tool and won lots of awards for it!



A cartoon illustration of a man with glasses and a beard, wearing a dark polo shirt with a 'Look and Live' logo. He is waving his right hand. To his left is a red and white emergency light. Below him are logos for 'Look up and Live', 'Lookupandlive.com', 'Available on the App Store', and 'Get it on Google Play'.

Try it for yourself, visit: www.lookupandlive.com and find powerlines near your house!

Chapter Three

Safety near electrical pillars and equipment in the community



One afternoon, Billy and his dad were riding their bikes when they came across some kids playing cricket. They were using the little green electricity box as a cricket stump!



Billy's Dad explained that inside the green box are underground electricity cables. They are not safe to climb on or play around.

Billy's Dad called Endeavour Energy to report this as a safety concern as there were some exposed wires... Lucky dad was there!



Emergencies & assistance 131 003



It's not just little green boxes either, there are bigger ones too out there in the community!

Dad told Billy all about a new initiative to help 'decarbonise' the grid where Endeavour Energy is installing big batteries in the community!

He explained, "these community batteries are like a giant piggy bank, but instead of holding coins, they store electricity for your whole neighbourhood!"



These batteries look like a big electrical box; we just need to make sure we don't climb on them like any other electrical equipment.

"Electrical Equipment is never playground equipment," Dad reminded Billy.

Chapter Four

Electrical safety and underground cables



One sunny afternoon, Billy was playing outside when his dog *Barky* started digging a big hole. Barky really loved burying bones.



But suddenly, Billy remembered something very important... There could be electricity cables below the ground!

"Oh no! Barky, stop digging!" Billy gently pulled Barky back and gave him a big hug.

"Before we dig, we must check first with [Before You Dig Australia!](#) Dad's friend *Mell* makes sure they give us special drawings and plans, so we know where the underground cables and are.

Digging without checking is dangerous!



"Electricity is amazing," Billy said, "but we must always be careful!"

Chapter Five

Electrical safety at home



Billy once heard Dad talk about their neighbour, Mrs Watts. One day she felt a tingle from her kitchen tap! That can be a warning sign of an electrical problem.



Lucky Dad was at work and in the area, he attended quickly and made it safe.

“If you ever get a tingle off a tap,” Dad explained, “Tell an adult immediately, they’ll need to call Endeavour Energy straight away so we can fix it.”

Did you know electric shocks are very dangerous and should always be checked by an electrician.

At home, Dad always checks extension leads and power points.

He reminds Billy to never use electrical cords near water, never overload a power point and always check cords for damage.



Dad warned Billy, "It's important that only qualified people work on electrical equipment!"

Did you know that you should always inspect extension leads before using them?

Also, never plug too many appliances into one power point, it is very dangerous!

Dad also talked about battery safety. He warned Billy about electrical fires and said, “Electric bikes and scooters must never be left charging inside the house without somebody watching, it’s really dangerous!”

Billy was amazed and imagined an electric scooter catching fire... scary!



From that day on, Billy told all his friends, “Electric bikes and scooters should never be charged inside a bedroom.”

He also said, “never leave them charging without someone watching and if a battery feels hot or smelly – tell an adult straight away!”

Chapter Six

Electricity and the environment



Billy loves learning about their solar panels on their roof. "Did you know, Dad," Billy chirped, "These panels make free electricity from the sun?" He added, "It's great for the environment, and Australia gets more sun than any other continent - We are so lucky!"



Dad smiled proudly and said, "That's right, Billy! We should all do whatever we can to look after the environment... Our climate is changing so we need to take extra care!"

Did you know that turning things off when not in use is a great way to save electricity? Small actions can make a big difference!



Solar power
is clean and clever

Chapter Seven

Billy's dreams about the future



Dad and his mates are so passionate about keeping the community safe.

Endeavour Energy is so lucky to have such skilled workers at their company.



Billy is proud of his dad and his crew. They work in all kinds of weather – even storms, floods, and bushfires to keep the community safe and the power on!

It can be tough and sometimes dangerous work, but they are highly trained and follow all the rules to make sure they stay safe.

Billy keeps learning about electricity and safety. One day he hopes to become a powerline worker just like his dad - helping to bring electricity to homes while keeping himself and others safe.



Billy Sparks dreams big, and he knows that with knowledge, care and safety, electricity can power a bright future.

Billy Learns About

ELECTRICITY SAFETY!

Keep appliances
away from water!



Stay **8 metres** away
from fallen powerlines!

Call **000** in an
emergency!



Don't fly
kites near
powerlines!



Remember:

- never use hairdryers near water,
- stay at least **8 metres** away from fallen powerlines, and **always** report something unsafe to an adult.



Visit Endeavour Energy's [Electric Kids](#) page for more electrical safety information and other fun activities.

Disclaimer:

This book was written with the assistance of artificial intelligence. While the core concepts, structure, and creative direction originated with the authors, AI tools were used to assist in drafting, refining, and polishing the final content.



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