

At Home

Little boy/girl and parents are cooking in the kitchen.

(LIGHTS OFF)

Little girl/boy Oh my god! What's wrong with the lights!

Dad Don't worry. Let me find some candles. *(Take out a candle and light it up. Then pass the candle to little girl/boy)*

Little girl/ boy Oh, it makes our room brighter!

Mom Be careful. It can be very dangerous. Don't get burnt.

Dad *(Look at the watch)* Seems that it takes some time for the electricity to recover. What should we do now?

Little girl/boy Umm.....Hey Mom, do you know any stories about light bulbs?

Little girl/boy 2 Oh! I want to know more too! I have learnt about the science of electricity today.

Mom Sure. When we talk about light bulbs, who would you first think of?

Little girl/boy Thomas Edison!

Mom Edison took all the credit for his invention because his version of light bulbs was able to outstrip the earlier versions. Let me tell you his story.

In the past (At school)

Teacher The water in the pool evaporates into... ..

Thomas Edison Teacher! Teacher! May I know why the sky is blue? Why can't we fly? Why does a stone sink but the wood floats? Why, why, why?

Teacher Edison, we are not going to talk about this today. Stop asking irrelevant questions in EVERY LESSON. You are interrupting the class.

Thomas Edison But the class is boring... ... Teacher, a hen can hatch eggs, does that mean I can also hatch an egg? Can I do this experiment now (excited)?

Teacher (Angry) Enough Edison! I think our school is not the right place for you, please find yourself another suitable place. I'll call your Mom after class.

At home

Mom As a result, Edison's Mom decided to do homeschooling with Edison. She encouraged Edison to learn and do experiments and this allowed Edison to develop his full potential.

Little girl/boy So... Did Edison invent the light bulb when he was small?

Mom No. The light bulb was not invented until he had grown up. Let me continue his story.

In the past (Chemistry laboratory in a boxcar)

Thomas Edison If I mix this with that, I should be able to make gunpowder. Okay, let's start!

(SOUND EFFECT: EXPLOSION)

Train conductor Oh boy! WHAT ARE YOU DOING?

Thomas Edison Sorry Sir. I was just doing an experiment.

Train conductor You nearly killed us all! Do you know? Never ever do experiment on my train!

Thomas Edison No please. Please give me a second chance, I will....

Train conductor Stop talking nonsense! Just get off my train! (Throw Edison out of the train)

Thomas Edison (Keep laying down on the floor) (Sign) Okay... .. Maybe making gun powder is not a good idea. What about improving the lighting system? The gas lamp is not perfect now! I feel like some good ideas are emerging in my mind. Let's find another place for doing the experiments!

At home

Little girl/boy2 Did Thomas Edison succeed in his first trial?

Dad No, for the bulbs to light up, electricity needs to flow into the filament. And when the filament is heated up sufficiently, it begins to glow. However, Thomas Edison needs to make the bulb glow bright and long enough without it over heated. Otherwise the filament burns out. It's not an easy task.

In the Past (Inside the laboratory)

Thomas Edison I have to try different kinds of filaments to find the perfect match for my light bulb. Let me try copper! (Light bulb does not light up)

Hmmmm... Seems copper is not a right choice. What about platinum? (Light bulb lights up) Oh! It lights up! But platinum is too expensive.

What about a carbon filament? (Light bulb lights up) Yeah! The bulb lights up and the carbon filament is much cheaper than platinum! After trying up to 5,000 kinds of materials, I finally found the filament that can burn strong and bright! Yeah!

At home

Mom That marked the great invention of the light bulb. Besides, Thomas Edison had also invented more than 1,000 other inventions. Apart from the light bulb, some of his famous inventions include the voting machine, electric battery and the movie camera.

Kids Wow, that's impressive! I want to become a person as perseverance as Thomas Edison!

Dad I believe you will, my little girls.

(LIGHTS ON)

Mom Oh, yeah! The power has returned. Let's get our dinner ready.

Kids and Dad Okay!

Cast:

Dad:	Finley
Mom:	Kathy
Little girl/boy:	Carman
Little girl/boy2:	Chelsea
Thomas Edison:	Jason
Train conductor:	Henry
Teacher:	Yumiki

Prop:

LED candle x1

LED light bulb x1

Spatula x1

Costume:

Casual wear x3

Apron x3

Laboratory coat x1

Staff:

Lighting designer:

Sound designer: Michelle