Ding-Dong

Amy Salcido

Brief: Amy’s article was inspired by Metro Nashville’s Hands-on Science Kit Electric Circuits. Students learn about the flow of electrons to create electricity, how to trouble-shoot electrical circuits, and how to wire a house.

A doorbell works because an electrical current flows through an electromagnet inside the doorbell. An electromagnet is a magnet that runs on electricity. The magnetic field pulls a metal hammer to strike a bell. When you push the button an electric current goes through the electromagnet. This makes a magnetic field. The magnetic field pushes the hammer into the bell, that makes the ding sound. When you let go of the button the electric current stops. The magnetic field disappears, and lets the hammer go. The hammer springs back and hits another bell making the dong sound.

Acknowledgements: Amy would like to thank her scientists, Dr. Hamann and Dr. Benoist, and her mom and dad. She would also like to thank her awesome teachers, Mrs. Stockdale and Mrs. Hall, for supporting her in everything. She says, “You are all awesome and important for me!”

About the Author: Amy is a fourth-grade student at Hattie-Cotton STEM-Magnet Elementary School.