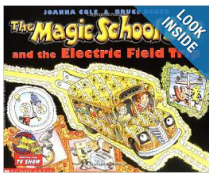
Electricity

An Alarming Idea: Designing Alarm Circuits

FICTION

The Magic School Bus and the Electric Field Trip

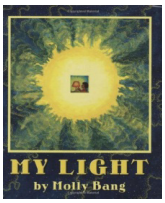


By Joanna Cole

Small enough to squeeze through power lines, Ms. Frizzle's class learns how electric current travels through the town, lights up a light bulb, heats up a toaster, and runs an electric motor. (48 pages)

Recommended for reading at 3-5 grade level.
Publisher: Scholastic ISBN: 0590446835

My Light

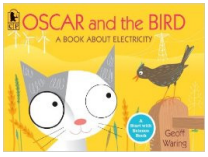


By Molly Bang

Caldecott Honor artist Molly Bang celebrates the many wonders of the sun, with radiant words and images that illuminate the myriad ways in which the sun gives us energy and power from its light. (40 pages)

Recommended for reading at PreK-3 grade level.
Publisher: Blue Sky Press ISBN: 043948961X

Oscar and the Bird



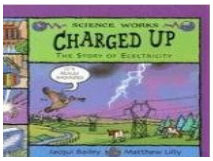
By Geoff Waring

Oscar finds out how electricity is made and stored, which machines need electricity to work — and why we always need to be careful around wires, batteries, plugs, and sockets. (32 pages)

Recommended for reading at PreK-3 grade level.
Publisher: Candlewick Press ISBN: 0763653020

NON-FICTION

Charged Up

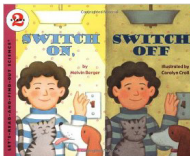


By Jacqui Bailey

Describes how electrical energy is generated in power stations and how it travels through pylons, power cables, and wires into people's homes. Includes activity. (32 pages)

Recommended for reading at 3-5 grade level.
Publisher: Science Works ISBN: 140481129X

Switch On, Switch Off

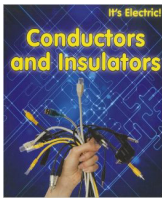


By Melvin Berger

It seems like magic! It's not - it's electricity. But how does a light actually work? In this clear and simple book learn all about electricity, how it's produced, and how it can be used. At the end you'll learn how to conduct fun experiments that will let you generate electricity yourself! (32 pages)

Recommended for reading at 3-5 grade level.
Publisher: Harper Trohpy ISBN: 006445097X

Conductors and Insulators



By Chris Oxlade

This book looks at electrical conductors and insulators, examining what they are and how we use them. The book considers a range of examples that will be familiar to young readers, and explains the scientific concepts behind electricity in clear, simple language. (32 pages)

Recommended for reading at 2-4 grade level.
Publisher: Heinemann Library ISBN: 1432956787

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NEWS ARTICLES

Your Head's Battery

By Sid Perkins
for *Science News for Students*

Fluids in the inner ear can actually power an electronic device, such as an implant.

Recommended for reading at 3–5 grade level.
http://www.sciencenewsforkids.org/2013/01/fluids-in-the-inner-ear-can-actually-power-an-electronic-device-such-as-an-implant/

Cow Power

By Catherine Clarke
for *National Geographic Kids*

A farm in Bridport, Vermont, uses cow manure to generate electricity.

Recommended for reading at 3–5 grade level.
http://kids.nationalgeographic.com/kids/stories/spacescience/cow-power/

How do electric circuits work?

By HowStuffWorks
for *Discovery Kids*

An introduction to electric circuits and circuit component vocabulary.

Recommended for reading at 3–5 grade level.
http://kids.discovery.com/tell-me/curiosity-corner/science/how-do-electric-circuits-work