

IPS School House Rock Lab

Hit Ctrl left click on the song title to hear each song. Each song is 3 minutes long. Songs do not need to be memorized. You can use the lyrics while performing the songs. Songs can be sung solo or in a group. All members of the group are expected to sing to earn credit.

Grades will be assigned by effort and details used in the props and the performance the grade will not depend on the tonal quality of the performance.

ELECTRICITY, ELECTRICITY

When you're in the dark and you want to see,
You need uh... **Electricity, Electricity**
Flip that switch and what do you get?
You get uh... **Electricity, Electricity**
Every room can now be lit
With just uh... **Electricity, Electricity**

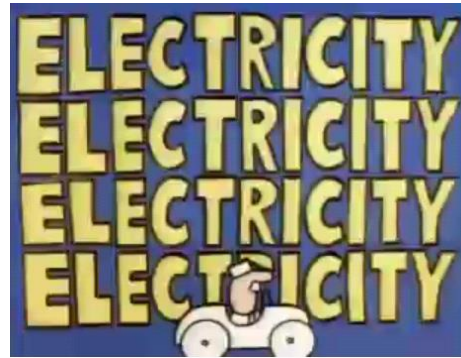
Where do you think it all comes from
This powerful... **Electricity, Electricity**
Through high wires to here it comes,
They're bringing uh... **Electricity, Electricity**

Every building must be wired to use it,
Uh... **Electricity, Electricity**

Power plants most all use fire to make it,
Uh... **Electricity, Electricity**

Burnin' fuel and usin' steam,
They generate... **Electricity, Electricity**

Turn that generator by any means,
You're making uh... **Electricity, Electricity!**



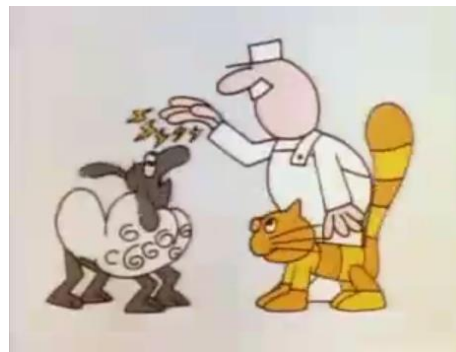
A generator is a machine that contains a powerful magnet that creates a magnetic field. When wires are rotated rapidly through this field, then a current of electricity is produced.

Now, if we only had a superhero who could stand here and turn the generator real fast, then we wouldn't need to burn so much fuel to make... electricity.

Benjamin Franklin flying his kite
Was searchin' for... **Electricity, Electricity**
He knew that it had somethin' to do with lightnin',
It's all uh... **Electricity, Electricity**

Rubbin' a comb with wool or fur will give you a charge of
Electricity (static) Electricity

Strokin' a cat to make it purr, you're buildin' up static
Electricity, Electricity

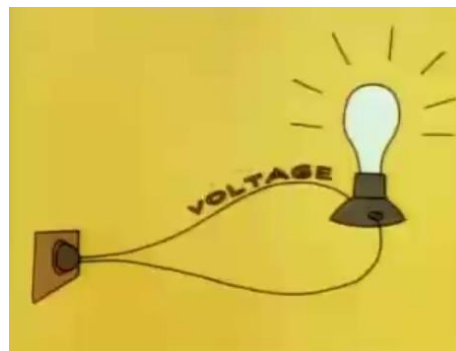


Electricity at rest is called static electricity.
Like in the winter, wearing a heavy coat,
You get a shock off the doorknob.
Or you scrape across a carpet
And sneak up on your very best friend,
And zap 'im on the ear with a shock of-
Electricity, Electricity

Current flowing to and fro, makes a circuit of
Electricity, Electricity
Voltage is the pressure that makes it go.
It's pushin' uh... **Electricity, Electricity...**

Watts will tell you just how much
You'll be usin'
Uh... **Electricity, Electricity**

Powerful stuff, so watch that plug! It's potent
Electricity, Electricity
Electricity, Electricity



ENERGY BLUES

Energy...

Sometimes I think I'm runnin' out of energy
Seems like we use an awful lot for
Heatin' and lightin' and drivin'
Readin' and writin' and jivin'
Energy ... You'd think we'd be savin' it up.

Energy ... You can get it by dammin' up a river
Energy ... A windmill can make the breeze deliver
But even with millin' and dammin'
Our needs are so much more demanding
For energy ... We have to use some kind of fuel.

Chop, chop, chop, the cavemen used wood to start their fires.
Chop, chop, chop, they made all the tools that they required.
Chop, chop, chop, inventions got more and more inspired.
The fires got higher and higher,
And clearings got wider and wider.
Energy ... They were burnin' 'bout all their wood up.

Then one day men discovered that coal would do it better
Miners dug, and it looked like it might just last forever.
It seemed like the final solution.

It started the Industrial Revolution.

Energy ... We could just keep on diggin' it up.

Now in 1859 - way out in western Pennsylvania -

A man had built a rig that got some laughs from folks who came there

But suddenly, a mighty roar came up from under the ground.

And soon a gusher, gushin' oil, soaked all who stood around.

Now no-one knew, when that gusher blew,

The petroleum years were on us,

Or that so many cars and trucks would come to cause a crisis.

Energy ... We're looking to try and find some new kinds.

Energy ... Exploring to try and make a new find.

Nuclear and thermal and solar,

If we miss we'll get colder and colder.

Energy ... We've gotta stop usin' you up.

So don't be cross when momma says turn that extra light out.

Just turn it off till we find us a fuel that never runs out.

If everyone tries a bit harder,

Our fuel will go farther and farther.

Energy ... We're gonna be stretchin' you out.

