

Electrifying your own Town!

You can build your own town and then wire it up so the houses have lights!



You will need:

1. Materials to build your houses. You can use cardboard, pop sticks, any sticks, mud, lego, whatever. You will also need glue, tape, scissors etc.

Try different materials and discover which ones are easier or harder to build with. Your houses need to be pretty strong as they have to be tough enough for you to handle when you put the globes and wiring into them.

2. Electrical bits n pieces.

You need:

- 2 C batteries (or more, depending on your town)
- small torch globes
- plastic coated electrical wire
- scissors or small pliers
- electrical tape
- aluminum foil (it helps to make good connections)

And it will all be easier if you also get some:

- crocodile clips or wires with crocodile clips already attached
- globe holders

You can find these in hardware stores or order them online.

You can buy switches too but you can also invent them!

This science and technology activity is all about building and solving problems as you go. You use trial and error to see what works and you invent ways to solve problems like:

- How do I connect the wires to the globes and the batteries?
- How can I make a switch?
- If I use too few or too many batteries what happens to the globe?

You will find lots more questions to answer as you go! Have fun!

And register your project at bigsciexp.com.au



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