

Construction Company Electrical Engineer

Today you are the Electrician for JA BizTown. You are responsible for completing an Electrical Circuit Project and working on an Electrical Repair Project in the town. Safety must be your top priority. Do NOT try any of these projects in your own home. Please follow all directions carefully.

1. Attend any Meeting Called by the CEO

2. Electrical Circuit Projects

After the Pledge of Allegiance, you can begin the **Electrical Circuit projects**. Follow the directions carefully for this in the **blue** manual.

3. Electrical Project

Throughout the morning, look for when the lights above the Construction sign outside of your business go out. This is caused by a blown fuse. You will need to fix this fuse following the directions in the red **Electrical Engineer Manual** carefully. Let a JA Staff person know when the fuse has been fixed.

4. Sign Project

At some point in the afternoon, the CEO from BizTee may visit you with their T-Shirt sign that does not light up. Follow these directions to fix the problem:

- a. Open the back battery compartment and **test each of the batteries with the battery tester**. Make sure to pay attention to which end the + side of the battery should go, and which end the – side should go.
- b. Hold the battery in place and look at the indicator window to see if the battery is good or bad. Place the dead batteries in the “**Dead Battery**” box and put the new batteries in the sign. When you put the batteries in the sign, make sure that the + and – signs are facing in the right direction.
- c. Make sure that it is working properly before you return it to the BizTee CEO.

5. Clean Up

Assist with business clean up at the end of the day.