

After you have your windmill completed, see if it works! Experiment with different designs to see if you can produce more electricity.

Try using 2 blades to power the windmill. Does it turn faster or slower?

Put your windmill far away from the fan. Put it closer. Where does the windmill work the best?

Use different gear combinations and find out which works the best. Record your findings below.

Answered all the questions above? Design a LEGO house with lights and see if you can use your windmill to power it!



Good job! Keep building and experimenting with different designs. You are a renewable energy engineer. We also call renewable energy, “green energy!” Having trouble getting your windmill to work? Look below for some tips.

Is your windmill not working?

- Feel where the wind is blowing the most and place your windmill there.
- Build your windmill higher or lower to be in the wind stream.
- Try spinning your windmill blades a little to get it started while the wind is blowing.
- Make sure the parts to the generator are not connected to tight.