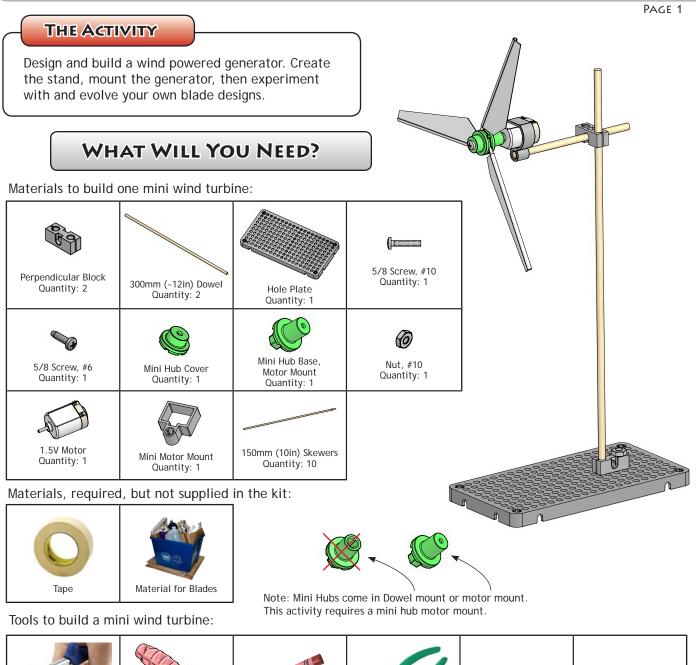
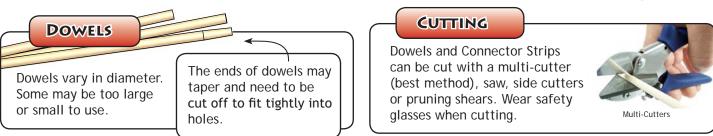
### MINI WIND TURBINE

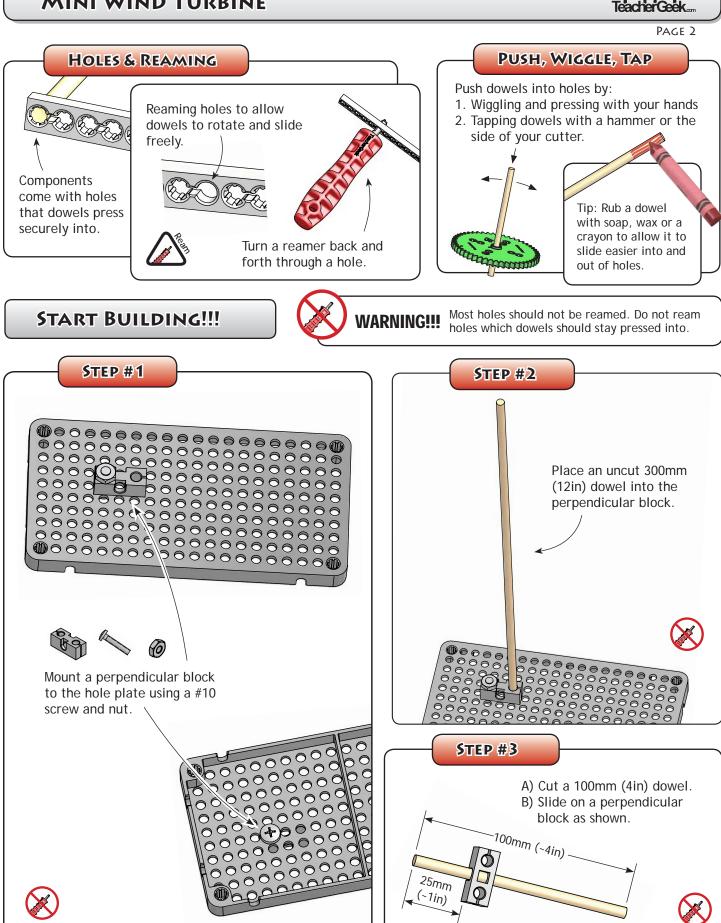




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### MINI WIND TURBINE



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## **MINI WIND TURBINE** PAGE 3 STEP #5 **STEP #4** Push a mini motor mount onto Place the motor into the mount. the assembly from Step #3. **STEP #6 STEP #7** Attach the mini hub cover to the base using a #6 screw. Keep the screw slightly loose. Cover Tip: Hold the base with pliers Base when turning in the screw. Place the assembly from Step #5 onto the **STEP #8** assembly from Step #2. Press the mini hub onto the motor shaft. Your motor will create an electrical current (flowing electrons) when turned. The faster it turns, the more current it will create.

# **MINI WIND TURBINE** PACE 4 **BLADES** It is now time for you to experiment with blade configurations. You will be able to change the shape of your blades, the number of blades used (between 1 and 6), and the blade angle. **STEP #9** Cut the points off the skewer sticks. **STEP #10** You will need materials for your blades (poster board, cardboard, plastic, aluminum flashing, etc). You will also need tape. Duct tape works best. Below is one of best methods used to create a blades. You will need to create 3 blades to start. •230mm (~9in) • **1** 50mm (~2in) ∳ A. Cut a section of blade material. B. Place tape half over the edge of the blade material. C. Place a skewer stick at the edge of the D. Fold the tape and skewer stick over onto the blade material, overhanging to one side. blade material. Press to secure the tape.

#### MINI WIND TURBINE

