Check the box if the group
selected your design to build for
the experiment and the voltage
contest.

MINI ENGINEERING DESIGN PROJECT CAN YOU LIGHT AN LED WITH THE ITEMS IN YOUR BOX?

The goal of this project is to light an LED using the items in the box, as well as a fan, which will serve as the source of energy for your design. You may not conduct research for this mini project.

e the space below to sketch your design.					

EXPERIMENT DESIGN

Variable	Experiment Design (provide a repeatable description of your control experiment and your test experiment below and then perform the test).	How does this affect voltage generated?
Color of the wires	Control scenario:	Voltage Generated in control:
	Test scenario:	Voltage generated in Test 1:
The number of wind turbine blades.	Control scenario:	Voltage Generated in control:
	Test scenario:	Voltage Generated in Test 1:
	Test scenario 2:	Voltage Generated in Test 2:
	Test scenario 3:	Voltage Generated in Test 3:
The width of wind turbine blades.	Control scenario:	Voltage Generated in control:
	Test scenario:	Voltage Generated in Test 1:
	Test scenario 2:	Voltage Generated in Test 2:
	Test scenario 3:	Voltage Generated in Test 3:
The length of wind turbine blades.	Control scenario:	Voltage Generated in control:
	Test scenario:	Voltage Generated in Test 1:
	Test scenario 2:	Voltage Generated in Test 2:
	Test scenario 3:	Voltage generated in Test 3:

The material of wind turbine blades.	Control scenario: Test scenario: Test scenario 2: Test scenario 3:	Voltage Generated in Control: Voltage Generated in Test 1: Voltage Generated in Test 2: Voltage Generated in Test 3:
The angle of wind turbine blades.	Control scenario: Test scenario 2: Test scenario 3:	Voltage Generated in Control: Voltage Generated in Test 1: Voltage Generated in Test 2: Voltage Generated in Test 3: