

Wind Turbine Blade Design Analysis and Testing Worksheet

Names of group members:

Date:

ANALYSIS

Design #:

Shape of blades (draw a picture):

Number of Blades:

Length of Blades (inches):

Width of Blades (at widest point; inches):

Pitch of Blades (°):

Distance to the hub (inches):

Blade material:

Hypothesis (How many volts will it generate? Why?):

TESTING

<i>Test</i>	<i>Volts Generated</i>
<i>1</i>	
<i>2</i>	
<i>3</i>	
<i>Average</i>	

Did the design perform as you hypothesized? Why or why not?

What could you do to make this design better?