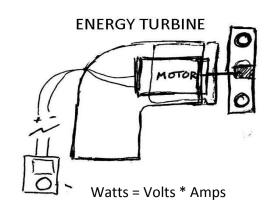
MEASURING THE WIND SPEED OF THE FAN	miles per hour
Using an Anemometer (wind gauge)	nines per nour

MEASURING THE ROTATIONS PER MINUTE	rotations per minute
(RPM's of the blades)	rotations per mine

ENERGY TURBINE

ENERGY TURBINE DATA & CALCULATIONS	Value	Units
1 - Measure and Record the VOLT output		[Volts]
2 - Measure and Record the AMP output	х	[Amps]
3 - Calculate WATTS	=	[Watts]

WORK
Volts = Electric Potential
Amps = Measure of Current
(Flow of Electricity per second)
Watts = Joules per Second [N*m/sec]
Watts = Volts * Amps



POWER TURBINE

POWER TURBINE DATA & CALCULATIONS	
1 - Find the MASS of the Load	
2 - Calculate the WEIGHT of the Load	
(Weight = Mass * Gravity)	
3 - Measure TIME to lift the load	
4 - Measure DISTANCE that load is lifted	
5 - Calculate ENERGY = Weight x Distance (WORK) = #2 x #4	
6 - Calculate POWER = Energy / Time POWER = #5 / #3	

Value	Units
	[Grams]
	[Newtons] [grams * meter/second ²]
	[Seconds]
	[Meters]
	[Joules] or [N*m or g*m²/s²)
	[Watts or Joules/Second] [N*m/sec or g*m²/s²]

WORK	
1 Newton = 1 gram * gravity	
gravity = 9.8 meters/second ²	
1 Foot	
= .3048 Meters	
Joule	
= (Weight * Distance)	
1 Watt	
= 1 Joule/second	
= (Force * Distance) / Time	

