

MATERIALS FOR APPLE BATTERY, MIN WIND TURBINE & PV FAN

APPLE BATTERY

METER: Purchased from Electronics Express Item # 01DK80
365 Blair Road
Avenel, NJ 07001 Cost: approx. \$4.00
(732) 381-8020
www.elexp.com

JUMPERS: Purchased from RadioShack. \$5.95 for a set of 10 (5 pairs)

METALS: Galvanized nails and copper wire can be found at most hardware stores. The tin wires is actually LEAD FREE solder, obtained in a small roll from RadioShack. Specify LEAD FREE as you don't want kids handling lead.

MINI WIND TURBINE

Most of the components came from Pitsco
1-800-835-0686
www.shop-pitsco.com

MOTOR 500: #H50075-221 \$3.50 each 10 or more - \$3.15 each

RED LED LAMP: #52690-01 10 for \$3.95

5" PROPELLOR: #13241-01 \$.45 each (may come in sets of 5)

The DOWEL (1/2" diameter) came from a local hardware store. The PLATFORM is scrap 1/8" thick plywood. The RUBBERBAND and VELCRO came from Staples.

PV FAN

SOLAR MINI PANEL: Purchased from Pitsco (see contact info above) #H56851-221 (1.0V, 400mA) \$4.95 each; 10 or more, \$4.46 each

MOTOR: #260 Mabuchi purchased from Solar World Cost: approx. \$1.75
2807 N. Prospect
Colorado Springs, CO 80907
1-800-246-7012
www.solar-world.com

JUMPERS: Purchased from RadioShack (see Apple Battery above)

PROPELLOR: Pitsco propeller listed above for Mini Wind Turbine, or contact The Science Source in Waldoboro, ME (1-800-299-5469) which has several different types.