

## KidWind Materials List: A0012 - Advanced Wind Experiment Kit

| Part                                | Qty  |
|-------------------------------------|------|
| Wood Tower 20"                      | 1 ea |
| Balsa Wood Sheet 3" x 12" x 3/32"   | 5 ea |
| Corrugated Plastic Sheet - 3" x 16" | 5 ea |
| Tower Base Leg                      | 3 ea |
| Tower Base Locking Ring             | 1 ea |
| Tower Base Hub                      | 1 ea |
| Graduated Cylinder 250 mL           | 1 ea |
| KidWind Hub                         | 1 ea |
| Hex Shaft 8" w/ HQC                 | 1 ea |
| Main Body Half                      | 2 ea |
| Gear Set w/ Spool                   | 1 ea |
| Motor Mount Pack                    | 1 ea |
| Mini Water Pump w/ Tubing           | 1 ea |
| Digital Multimeter                  | 1 ea |
| Power Output Pack                   | 1 ea |
| 1/4" Dowel - 25 Pack                | 1 ea |
| Plastic Weightlifter Bucket         | 1 ea |
| String 4'                           | 1 ea |
| Washer 1/2" - 25 Pack               | 1 ea |
| Tap Bolt 1/4" x 4"                  | 2 ea |
| Wing Nut 1/4"                       | 2 ea |
| Hex Nut 1/4"                        | 4 ea |
| Screw 3/8"                          | 8 ea |
| ALTurbine Motor Mount               | 2 ea |
| Wind Turbine Generator w/ Wires     | 1 ea |
| High Torque Generator w/ Wires      | 1 ea |
| Alligator Clip Cord Pair            | 1 ea |
| LED Bulb                            | 2 ea |
| KidWind Blade Pitch Protractor      | 1 ea |
| Ultra Capacitor                     | 1 ea |
| Turbine Resistor Set                | 1 ea |
| Wind Turbine Generator w/ Wires     | 1 ea |
| Incandescent Bulb                   | 2 ea |
| Screw 3/8" with note                | 1 ea |
| Mini Turbine Red Blade Set          | 1 ea |
| Hex Lock                            | 3 ea |
| 8 Tooth Gear                        | 1 ea |
| 16 Tooth Gear                       | 1 ea |
| 32 Tooth Gear                       | 1 ea |
| 64 Tooth Gear                       | 1 ea |
| Spool Hourglass 3/8" Drilled        | 1 ea |