Sources for Materials

To make your session run smoothly, collect and prepare materials for the challenges ahead of time. All of the materials in this guide can be found at local electronics, hardware, craft, grocery, and office supply stores. For large quantities or online sources, try these Web sites:

**Battery holders**
- We like: single AA cell holders with wire leads
  - Item # BCAA
  - 65¢ each
  - Batteryspace.com
- We also like:
  - AA battery holder
  - Item # 270-401
  - 99¢ each
  - Radioshack.com

**Bulbs**
- We like: 1.5 volt, screw
  - Item # EL-LAMP1.5
  - 50¢ each
  - Hometrainingtools.com
- We also like:
  - 1.2 volt, screw
  - Item # 272-1174
  - $1.59 for two
  - Radioshack.com

**Bulb holders**
- We like: single bulb lamp base
  - Item # EL-BULBH1
  - 90¢ each
  - Hometrainingtools.com
- We also like:
  - Item # 272-357
  - $1.69 each
  - Radioshack.com

**Buzzers**
- We like: two-wire lead buzzers
  - Item # KPI-2210L
  - $1.00 each, minimum order of 50 (reference code WGBH SQ2124200 with order)
  - APC International
  - 570-726-6961
- For a louder buzzer:
  - Item # 273-053
  - $3.29 each
  - Radioshack.com

**Chipboard**
- We like: 11 x 17 inch
  - Item # S-8293
  - $49 per case (375 sheets)
  - Uline.com

**Compact discs**
- Collect used CDs and DVDs
  - or purchase new
  - Item # 01-VDPP801-100
  - $15 for 100
  - Thetechgeek.com

**Corrugated cardboard**
- We like: 11 x 17 inch
  - Item # S-3585
  - 28¢ per piece
  - Uline.com

**Electrical wire**
- We like: stranded, 22-gauge
  - Item # 278-1224
  - $5.99 for 75 feet
  - Radioshack.com

**Faucet washers**
- (Both flat and beveled work)
- We like:
  - ¼ inch Large
  - $1.19 for card of 10
  - Doityourself.com/invt/4001095
- We like:
  - ½ inch to 1 ¼ inch
  - (the larger, the better)
  - $4 for 10
  - Doityourself.com/invt/u116076

**Metal washers**
- We like: zinc-plated Cut or Fender washers
- Offer a variety of sizes
  - Approx. 5–10¢ each at hardware store

**Motors**
- We like: regular motor with pinion attached
  - Item # RM3 with plastic pinion
  - $2 each
  - Solarbotics.com
- We also like:
  - 1.5 to 3-volt metal-gear motor
  - Item # 273-258
  - $3.29 each
  - Radioshack.com

**Ping-Pong balls**
- Martin Kilpatrick brand
  - 144 One Star balls
  - $36 for 144
  - Nationaltabletennis.com

**Poster or mounting putty**
- We like: Duck Brand
  - Item # 07014884
  - $1.49 for 2 ounces
  - Officemax.com

**Wooden skewers**
- (Both flat and beveled work)
  - Item # 270-401
  - 99¢ each
  - Radioshack.com

**Wooden spools**
- We like: hourglass shape
  - 1 ½ inch diameter by 1 15/16 inch long with a 5/16-inch hole
  - Item # NS28
  - $1.80 for package of 10
  - Woodcrafter.com

**If you are buying small quantities, try these types of stores:**
- **Electronics:** electric wire, buzzers, compact discs, motors, bulbs, bulb holders, battery holders
- **Hardware:** beveled faucet washers, faucet washers, metal washers, paint stirrers, wooden dowels
- **Craft:** wooden spools, Popsicle sticks, wooden dowels
- **Grocery:** wooden skewers
- **Office:** corrugated cardboard, chipboard, poster putty
- **Sporting Goods:** Ping-Pong balls, golf balls, tennis balls

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