**IED Mini-Project Stock Components**

Students can pick up any or all components listed below in the IED Fabrication Area, **JEC 2332**. Nominal hours are Mon-Fri 8am-9pm. Parts are available as a convenience to students. You can use any parts you like (within the rules) and are NOT required to use components from the Design Lab.

**Thanks to the School of Engineering, there is NO CHARGE for these   
Mini Project stock items!**

**Line Follower Project**

* Mechanical Kit **$25.00 each**
  + Tamiya Twin-Motor Gearbox Kit #70097
  + 1/8” thick Plastic Mounting Plate
  + Tamiya Ball Caster Wheel Kit #144
  + Tamiya Truck Tire Kit #70101
  + 1.75” x 3.25” Protoboard
* Large variety of standard electrical parts are available in the IED Fabrication Shop JEC 2332 at **no charge.** Ask a TA for assistance.
  + Resistors, logic chips, capacitors, diodes, potentiometers
  + IR LEDs, phototransistors, visible LEDs

**Mousetrap Car Project**

* Victor Mousetrap **$1.00 each**
* CD/DVD Hubs **$1.00 for 4** [**www.pitsco.com/CD-DVD\_Wheel\_Spacers**](http://www.pitsco.com/CD-DVD_Wheel_Spacers)
  + Converts Ø3/16” axle to media inner diameter
* Plastic Wheels **$1.00 for 4** [**www.pitsco.com/Dragsters\_and\_Race\_Cars/Wheels/Lx\_Wheels**](http://www.pitsco.com/Dragsters_and_Race_Cars/Wheels/Lx_Wheels)
  + Ø1.34” OD, requires Ø1/8” axle
* Rubber Wheels **$1.00 for 4** [**www.pitsco.com/Dragsters\_and\_Race\_Cars/Wheels/Super\_C\_Wheel**](http://www.pitsco.com/Dragsters_and_Race_Cars/Wheels/Super_C_Wheel)
  + Ø1.43” OD, requires Ø1/8” axle
* Ø1/8” Birch Axle **$1.00 per ft**
* Ø3/16” Birch Axle **$1.00 per ft**

**There is a picture of these items on the next page…**

* Ø1/8” Brass Axle **$2.50 per ft**
* Ø3/16” Brass Axle **$2.50 per ft**

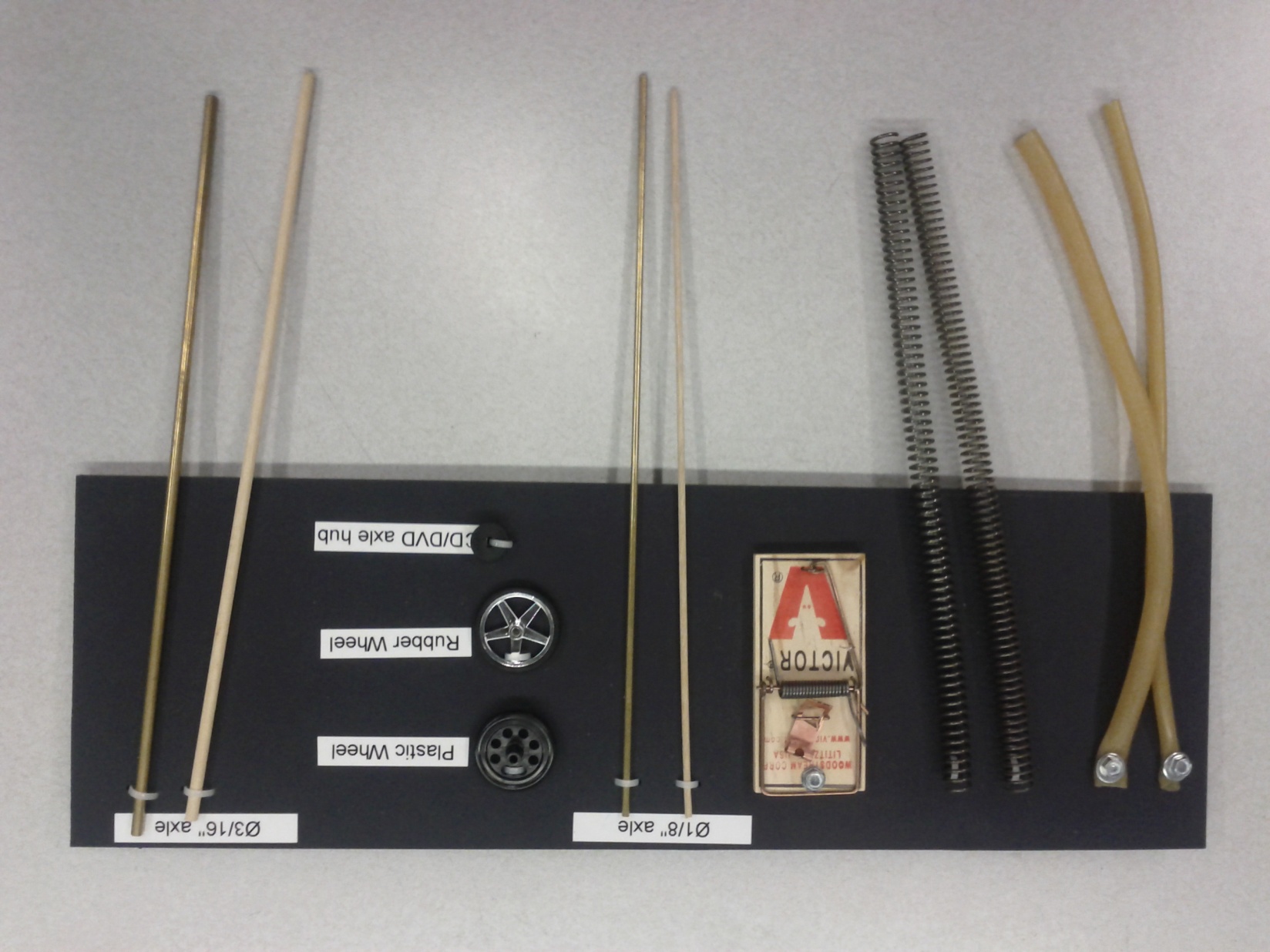
**Launcher Project**

* Heavy Compression Spring **$2.50 each**
  + spring rate = 4.28 lb/in
  + <http://www.springsfast.com/part_detail_compression.php?part=624>
* Light Compression Spring **$2.50 each**
  + spring rate = 2.05 lb/in
  + <http://www.springsfast.com/part_detail_compression.php?part=673>
* 1/4” OD Latex Tubing **$1.00 per ft**
* 3/8” OD Latex Tubing **$1.00 per ft**

**The prices shown above are for your reference only!**

**Please take ONLY what you need so that there will be enough for everyone!**

**This is what these materials look like:**

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