

Instructor Equipment

- ☐ Instructor Tablets
- ☐ Instructor Rolling Table
 - ☐ **Future Plans:** We need a better rolling table
- ☐ Coms (Shure Microphone system)
 - ☐ Ops
 - ☐ Antenna
 - ☐ Microphone Units

Student Equipment

- ☐ [TODO] Ethanol in squeeze bottles for each table or pod
- ☐ [TODO] ChemWipes without solvent.
- ☐ Electroscope
- ☐ Electrophorus
 - ☐ Plastic lid
 - ☐ 2xMicrofiber Towel
 - ☐ Wand
 - ☐ Small metal disc attached to rod
 - ☐ Large metal disc attached to rod
- ☐ Pom-pom
 - ☐ **Future Plans:** Replace the pom-pom-related activities (Demos 4 and 5). For instance, with bringing finger close to charged needle on electroscope.
- ☐ A-base
- ☐ 90-cm rod
- ☐ 45-cm rod
- ☐ 1 right-angle clamps
- ☐ 1 test tube clamp
- ☐ Electrostatics Voltage Source ([C24.1](#))
- ☐ Electrostatic Voltage Source AC Adapter ([C24.1](#))
- ☐ Basic Electrometer
- ☐ Banana-plug-to-banana-plug, black
 - ☐ Connection Instructions: Connect one end to “COM” port and the other to the “Ground” port of the Basic Electrometer
- ☐ Spade-to-banana-plug cord, black
 - ☐ Connection Instructions: Connect banana plug to “COM” port and the other the spade is unconnected.

- ☐ Bnc-to-alligator clip, black
 - ☐ Connection Instructions: Connect BNC end to “Signal Input” of Basic Electrometer; connect the alligator clips to the Faraday Ice Pail, black to outside cylinder and red to inside cylinder.
- ☐ Pegboard
 - ☐ 1-m wooden ruler
 - ☐ Plastic ruler
 - ☐ Protractor
 - ☐ Electrical Tape
 - ☐ Iser-line, 2 meters pre-cut
 - ☐ Quick Clamp
 - ☐ Scissors
 - ☐ Screwdriver - philips
 - ☐ **Future Plans:** Remove screwdriver. Both the small and large metal plates are attached to their own rod, so students do not need the screwdriver. Also, removing the screwdriver would prevent the students from unscrewing the metal plates from their rods.
- ☐ Stopwatch
- ☐ Pendulum clamp
- ☐ Metal Screen
- ☐ Plastic Screen
- ☐ Rubber band
- ☐ Pegboard Bin 1
 - ☐ Dry-erase markers
 - ☐ Dry-erase eraser
- ☐ Pegboard Bin 2
 - ☐ Wooden feet (for smart phone holders)
- ☐ Pegboard Bin 3
 - ☐ Thread, full spool or 2 meters pre-cut
 - ☐ Leveler (bubble level)
 - ☐ (2) Hooks from force probe
- ☐ Pegboard Bin 4
 - ☐ Nothing (Acts as base for screens)
- ☐ White board, small, grid
- ☐ White board, large

Setup Instructions

- ☐ Clean all surfaces with ethanol, including the

- ☐ lids
- ☐ wand handles
- ☐ base of electroscope
- ☐ pom-poms



