Materials List (estimates based on a class of 30 students or 5 groups of 6).

Engage Phase

For teacher: Object such as a wooden cube, glass marble, corik, metal rod, or Styrofoam block.

Exploration Phase

For each station (provide a whole and half-sized piece):

* Stick of chalk
* Sheet of foil
* Cork
* Plastic straw
* Sheet of paper
* Pipe cleaner
* Chunk of wax
* Steel paperclip

Station 1:

* 3 Small tubs of water in which the objects can be placed to sink/float

Station 2:

* 3-6 Large graduated cylinders (that can accommodate the objects)

Station 3:

* 3 pan balances or digital scales

Station 4:

* 3 Circuit testers (battery/holder, bulb/holder, and 3 alligator clip wires)

Station 5:

* 3-6 magnets

Explanation Phase

For teacher: whiteboard or chart paper

Extension Phase

For teacher: Copy of *the Blind Men and the Elephant*

Copies of handout (see NSTA Connection)

Evaluation Phase

Copies of assessment task (see NSTA Connection)