

Materials Checklist_NASA Helio Club

Numbers are per learner, or per group of learners; 2-3 max per group recommended.

Basics

- Writing tools (pens or pencils)
- Art supplies (markers or crayons)
- (1) pair of scissors
- (1) roll of tape

Session 1

- (1) measuring tape
- (1) 5" x 7" index card

Session 2

- (1) paper clip, any size
- (1) medium binder clip
- (2) 8.5" x 11" blank cardstock
- (1) pair of solar eclipse glasses
- (10-15) ultraviolet (UV) beads
- (2) invisible ink pens + UV light
- string (~1 yard)

Session 3

- (4) small, equally sized books or other objects to serve as corner supports for the plexiglass baseboard
(learner provides)
- steel ball bearings (2-3 of varying size, recommended 1/4", 3/8, 1/2")
- round magnets (2-3 of varying size, recommended 8-15 mm)
- aluminum foil (1 sheet ~10" x 10")
- chalk (white, yellow, or orange)
- (1) 8" x 8" aluminum pan
- (1) piece of 8.5" x 11" plexiglass
- (1) dry erase marker



- (1) 5" x 7" index card
- (4) 16 oz plastic cups
- (4) 3 oz cups ("Dixie cups")
- (1) 16 oz Styrofoam cup or (2) 8 oz (to shred)
- (10) cotton balls
- (1) plastic spoon
- (1) piece of black construction paper

Session 4

- (1) compass
- (1) large bar magnet
- (1) case of iron filings

Session 5

- (1) paper towel tube or [Spectrograph Template](#)
- (1) diffraction grating
- aluminum foil (1 sheet, ~10" x 10")
- string (~1 yard)
- pony beads: 2 red, 2 purple, 4 green, 1 "O" letter bead, 1 "N" letter bead

Session 6

- (1) ping-pong ball
- (1) tennis ball

