

Shopping List for 8th Grade: Astronomy

www.ScienceLearningSpace.com

How many of these items do you already have? We've tried to keep it simple for you by making the majority of the items things most people have within reach (both physically and budget-wise).

- 0.5 lb weight
- 2.5 lb weight
- aluminum foil
- [Astrophysics teleclass worksheet](#)
- [Baader film](#) (OR tack and 2 index cards, but the film works better)
- balloons
- bouncy ball (small)
- bowl
- bright light source
- buckets, 2 (with holes in bottom)
- bungee cords, 2
- calculator
- CDs, 2 (old OR use diffraction grating)
- chocolate bar (extra large works best)
- clothespins, 2-4
- [concave mirror](#)
- corkscrew graph printout
- [double convex lens, 2](#)
- drinking straws
- feather
- film canister (OR similar, like a M&Ms Minis container with lid)
- fire extinguisher (with adult help)
- fishing bobber
- fishing line (12")
- flashlight
- foam cup
- foam plate
- glass jar, 2 (one with lid)
- glass of water
- hair strand, 3
- highlighter (orange)
- hot glue gun
- index cards
- laser pointer
- lenses (glass or plastic; magnifying lenses will work)
- magnet (strong)
- magnifying glass
- marbles, 3 (different sizes)
- metal ball (like a ball bearing OR a magnetic marble)
- meter sticks, 2
- microwave
- mirror
- nails, 3
- optical bench
- OPTIONAL: binoculars
- OPTIONAL: handheld magnifying glass
- OPTIONAL: Playdough
- paper
- paper (black)
- paper (white)
- paperclip
- pencil
- pennies, 10
- pie pan (aluminum)
- plastic bag (zip close kind)
- plastic wrap (or cut open a plastic shopping bag so it's flat)
- plate
- popsicle sticks (tongue depressor sized)
- razor blades, 2 (new - with adult help)
- red laser
- rubber bands
- ruler or yardstick
- scissors
- softball
- [Solar Astronomy teleclass worksheet](#)
- [Stargazer's Almanac](#)
- stretchy fabric squares, 3
- string (12")
- string (4')
- sunlight
- tack (or needle)
- tape
- tennis ball (and/or basketball)
- thread (12")
- trash bag, black
- vice grips (OR hacksaw)
- water
- wax paper
- wire coat hanger (with sandpaper if coated)
- wood (old piece)
- wool cloth (sweater, scarf, etc.)
- yarn (12")