MATERIALS

Standard Measuring Tools

Below is a suggested list of materials needed to complete all activities in this guide for a group of 24-32 students (~8 teams). In addition, for your convenience, a NASA BEST Kit is available for purchase from Science Kit/Boreal Laboratories (www.sciencekit.com/NASABEST/), which supports ~30 students.

Digital scale (1)
Graduated cylinder (1)
Meter sticks (1 per team)
Measuring tape (1)
Rulers (1 per team)
Stopwatches (1 per team)
Thermometers (2 per team)
Materials for Activities & General Building Supplies

- aluminum foil
- balloons, assorted
- bamboo skewers
- binder clips, assorted
- blindfolds (1 per team)
- bubble wrap
- buttons or beads, assorted (~10 per team)
- cardboard
- card stock
- cardboard boxes (1 per team)
- c-clamps (at least two)
- cheesecloth
- clothespins (with springs)
- cloth swatch, i.e. quilting square
- coffee filters
- colored pencils and crayons
- cotton balls
- empty paper towel tubes
- empty toilet paper tubes
- fishing line, ~20 lb. test, 5 m
- film canisters
- glow sticks (2)
- glue sticks
- index cards
- mailing tube, 4” diameter or oatmeal canister
- mini foil pie plates (1 per team)
- modeling clay
- paper bags
- paper clips, assorted
- pennies (at least 10 per team)
- pipe cleaners
- plastic cups
- plastic eggs (1 per team)
- plastic people (i.e. Lego® or Playmobil®)¹
- plastic wrap
- popsicle sticks and/or tongue depressors
- rubber bands, assorted
- scissors
- shoe boxes or similar size boxes
- staplers and staples
- stirrer sticks
- straws
- string
- tape: masking, electrical, transparent and duct tapes
- wheels: i.e. model car wheels (plastic or wood), empty thread spools, or rotelle pasta (4-6 per team)

¹ If toy plastic people are unavailable, encourage students to make their own “astronauts”.

materials