

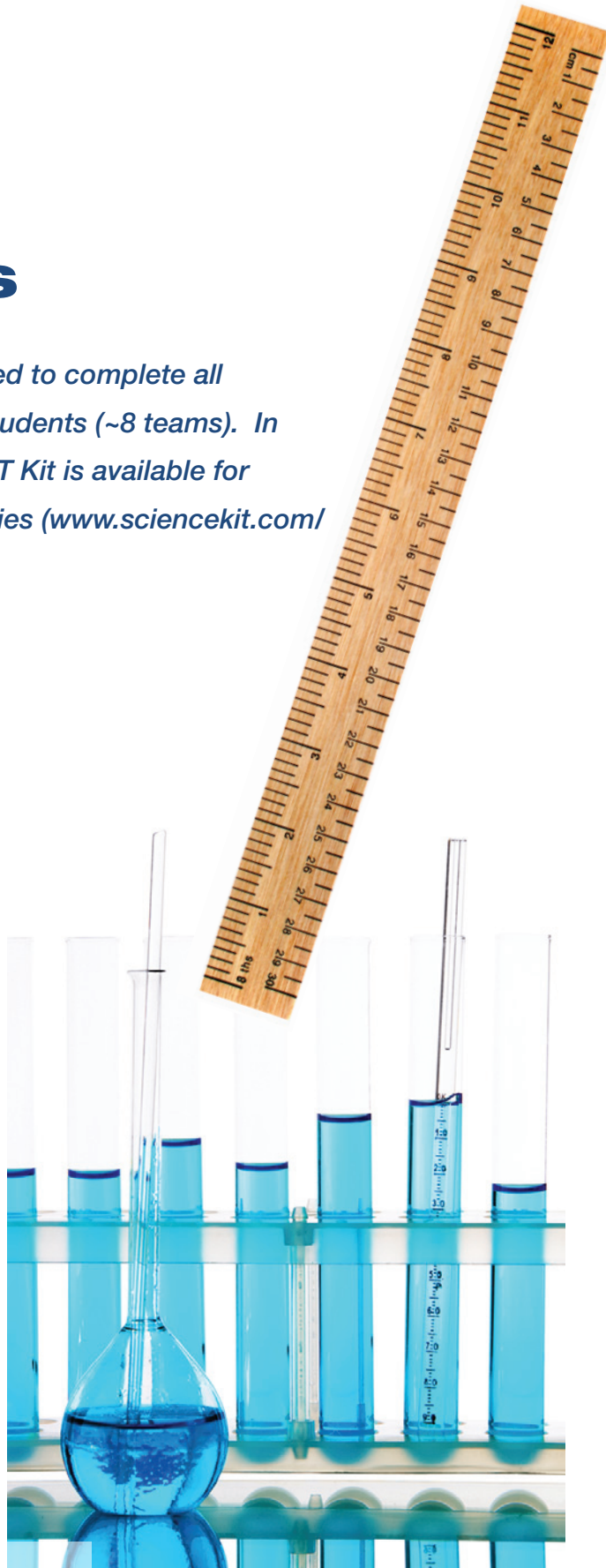


MATERIALS

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)

materials

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