Materials

The following is a suggested list of materials needed to complete this challenge. The quantity will depend on the number of students participating. Alternatives can be used if necessary.

- Digital scale or balance (1)
- Stopwatch (1)
- Measuring tape (1)
- Rulers (1 per team)
- Thin string like embroidery thread or fishing line
- Small sealable plastic storage bag to hold payload inside capsule (1 per team)
- Washers, marbles, or pennies to serve as mass
- Hole reinforcements or stickers with holes punched in them
- Template for capsule (1 for each team)

aluminum foil  modeling clay
balloons  paper bags
binder clips  paper clips
bubble wrap  pennies
buttons or beads  plastic eggs
cardboard or cardstock  plastic wrap
clothespins  rubber bands
cloth  scissors
coffee filters  skewers or stirrers
cotton balls  staples and staples
craft sticks or tongue depressors  straws
descent stage or toilet paper tubes  string
glue sticks  tape (masking, electrical, transparent, duct)
mini foil pie plates