
AIAA

educator academy

"Real-world connections make your classroom come alive."

SPACE WEATHER BALLOON SUPPLIES

Consumable items (teachers keep lunch box kit that they build and one 150g balloon):

- 200 cu ft Helium tank rental in the desired city (cannot ship this), \$150–\$200/ea (Party City or welding supply store)
- 15x 150g balloons (one balloon per 1–2 teachers), \$15/ea (Amazon.com)
- 2x 600g balloons for demonstrations, \$50/ea (Amazon.com)
- 15x string spools, \$60 (Amazon.com)
- 2in thick insulation foam board, \$20 (local home depot)
- 15x fiberglass tape, \$60 (Amazon.com)
- 15x lunch boxes, \$60 (Amazon.com)
- nitrile gloves for handling balloons, \$10 (Amazon.com)

Reusable items for teaching purposes:

- SPOT GPS, \$150/ea (Amazon.com)
- GoPro camera, \$170/ea (Amazon.com)
- 16GB SD card, \$10 (Amazon.com)
- 15x box cutter for cutting foam, \$50 (Amazon.com)

ENGINEERING DESIGN PROCESS SUPPLIES

- Assorted paper cups (different sizes and materials)
- Scissors (1 pair for every 2 people)
- Pencils (unsharpened to use as a possible axles)
- Plastic drinking straws (any kind)
- Assorted materials to use as wheels (wooden spools, washers, spearmint Lwifesavers, plastic bottle caps, 3oz Dixie cups)
- Rubber bands (assorted sizes)
- Balloons (all the same size)
- Tape
- Glue
- Other found materials for creative inspiration

