Engineering: Submarine Challenge

Project Equipment (tools used throughout week or common household items)

REQUIRED
- 1 pair of scissors
- 1 roll of duct tape
- 2-3 hand towels, or 1 standard bath towel
- Permanent marker
- 1 funnel (possible substitution: paper plate or cardstock that can be rolled up into a funnel shape)
- Access to bathtub, utility sink, or large plastic bin (55-75 quart capacity)

Activity Supplies (things that could be used-up during this program)

REQUIRED:
- This set of two 100 ml syringes and clear plastic tubing
- 1-2 plastic bottles, 16-20oz (label removed, clean, cap optional)
- 6-10 balloons, 12" (any color)
- 6-10 cable ties, 4" (possible substitute: rubber bands)
- 1 cup sand/pebbles/clay (possible substitute: salt, uncooked rice, dried beans or peas, etc.)
- Tap water
- 5-10 medium to large metal paper clips

BUILDING OPTIONS - ACQUIRE WHAT YOU CAN (chose ONE color-coded grouping)

Option 1 - stop an underwater oil leak
- 2-3, 2" inch diameter washers
- 1 small black plastic bag (garbage, grocery, etc)
- Scrap plastic

Option 2: rescue a sunken object such as a vehicle, or injured animal, etc.
- 2-5 small (.5 -1 inch) ceramic magnets, disks or rings
- Hot glue gun and glue sticks
- Small, waterproof object/toy/figurine for “rescue effort” (i.e. small car, small animal, small ‘person’ such as a Disney princess or army guy)

Here is an Amazon Shopping List for items you may not have at home or that may not be easily available at your local store! Amazon Link