

# Gold Medal STEM 7-8

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

- 1 - Pair of scissors
- 1 - Box cutter
- 1 - Cutting mat (possible substitutions: layers of scrap cardboard, tarp, some other surface on which one can safely use a box cutter on without causing damage)
- Masking tape roll (possible substitutions: duct tape, painters tape)
- White glue (possible substitutions: tacky glue, tape, glue stick, etc.)
- 1 - Meter stick (possible substitutions: fabric measuring tape, retractable measuring tape, multiple 12" rulers)
- Waterproof container with dimensions that are (at least) 6" x 6" x 6" (possible examples include: sand bucket, storage container, sink, bath tub)
- Markers (possible substitutions: crayons, colored pencils, colored pens, highlighters, etc.)
- 3 - Different action figures /plastic toys (to use as "Olympic Diver" figurines)
- 10 - Metal Washers (possible substitutions: metal screws, hex nuts, marbles, rocks)

## Activity Supplies (things that could be used-up or incorporated into a project)

- 100 - Craft (popsicle) sticks
- 75 - Plastic drinking straws
- 20 - Plastic spoons (possible substitutions: plastic forks)
- 20 - Paper or plastic cups - (ideally of assorted sizes anywhere between 2-20oz.)
- 5 - 12" Wooden dowels (possible substitutions: unsharpened pencils, wooden chopsticks)
- 10 - Paper or plastic plates - (ideally of assorted sizes between 4"-9" in diameter)
- 5 - Colored construction paper sheets
- 5 - Sealable (zippered) plastic bags
- 3 - (raw) Eggs (\*Note: eggs may be hard boiled to minimize mess)
- 4 - Cardboard sheets that are (at least) 12" x 12" with a thickness of (at least) 1/10" (any cardboard cut from standard shipping boxes will work)
- 4 - Different types of soft/cushioning insulation materials - (e.g. felt/other crafting fabric scraps, old shirts/clothing, cotton balls, sponges, dish towels, gauze, tissue paper, coffee filters, paper towels, bubble wrap, packing paper, etc.)
- 1 - 3' length of pipe insulation (sample link: [Pipe Insulation](#)) (possible substitutions: pool noodle, coat hanger)
- 10 - Pompoms (possible substitutions: cotton balls, balled-up paper towels)
- 20 - Rubber bands with assorted lengths (\*Note: highly recommended that at least one of the rubber bands has a diameter of at least 6") (possible substitutions: cotton twine, nylon/polyester string; yarn is not recommended as it may have too much friction & not enough tensile strength)
- 10 - Pipe cleaners (possible substitutions: twist ties)
- 30 - Paperclips
- 10 - Metal brad fasteners, (at least) 3/4" (possible substitutions: thumbtacks, pointed toothpicks)

**Here is an Amazon Shopping List for some items that may not be easily available at your local store!**

[https://www.amazon.com/hz/wishlist/ls/3MMC35Q57F7JB?ref\\_=wl\\_share](https://www.amazon.com/hz/wishlist/ls/3MMC35Q57F7JB?ref_=wl_share)