STEM Buffet (3-4)

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

- 1 - Pair of Scissors
- 1 roll - Strong Adhesive Tape - *(e.g. duct tape)*
- 1 roll - Adhesive Tape - *(e.g. masking tape, scotch tape)*
- 1 - Notebook or scrap paper sheets
- 1 - Writing utensil *(preferably pencil with eraser)*
- 1 roll - Cotton string *(any string will work)*
- 1 - Set of markers
- 1 - Ruler, 12”
- 1 - Measuring cup, ¼ c.
- 1 - Measuring cup, ½ c.
- 1 - Measuring spoon, 1 tsp.
- 1 - Measuring spoon, 1 Tbsp.
- 10 - Sharpened pencils *(as sharp as you can get them)*
- 1 - Plate that can get messy
- 1 - Plastic water bottle, empty, 16oz OR tall cup and funnel
- 1 - Container to hold and pour at least ½ gallon of water
- 1 - Cloth measuring tape *(can also use string and tape measure)*
- 1 - Plastic table cloth or place mat for messy projects
- Paper towels and disinfecting wipes for cleaning up messes

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

- 3-4 - Thin markers, washable *(any colors, will be used as part of a project)*
- 2 - Mini vibrating motor with leads
- 2 - 3V Battery, model CR2032
- 5 sheets - Paper, white *(any kind)*
- 5 - Rubber bands
- 2 - Ceramic magnets, approximately 1”
- 1 or 2 - Refrigerator magnets *(or wherever you can find them at home!)*
- 1 piece – Flat cardboard, around 15 inches by 20 inches
- 4 - Paper plates, 6”
- 6 - Dixie cups
- 10 sheets - Construction paper *(any color)*
- 10 - Jumbo straws
- 10 - Pipe cleaners
- 25 - Cotton balls
- 10 - Craft sticks, any size
- 1 - Disposable bowl *(plastic or styrofoam)*
- 1 bottle - White School Glue, 8oz.
- 8 oz – Tide brand original laundry detergent *(must be Tide)* OR Sta-flo liquid starch
- 2 Tbsp. - Iron Filings
- 2 - Plastic ziploc bags, gallon
- 1 - Plastic ziploc bag, sandwich or quart
- 2 - Plastic spoons
- 6 - Balloons, 9 or 12”
- 10 - Paper clips
- 10 - Bamboo skewers
- 2 oz. – Glycerin OR light corn syrup *(Optional for bubbles activity)*
- 6 oz. - Tonic water
- 4 oz. - Dish soap
- 1 – mini UV Flashlight *(any UV light works)*
OPTIONS FOR WATER FILTER
(CHOSE AT LEAST FOUR)

- 1/4 cup - Sand
- 1/4 cup - Activated carbon, rinsed and dried
- 1/4 cup - Gravel, rinsed and dried
- 1/4 cup - Dried macaroni
- 5 - cotton balls
- 3 - coffee filters

OPTIONS FOR MAKING POLLUTED WATER
(ADD AS MANY AS YOU WOULD LIKE)

- Dirt
- Yellow food coloring
- Dust from floor
- Vinegar
- Oil (e.g. vegetable or canola)
- Water

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/7UO7M1SVV3B7?ref_=wl_share