

Supply List – STEM Interactive

Week of 6/22 – 6/26

Monday: Math Monday's Activities Supply List:

1. [Printable Ratio and Proportions Practice Questions](#) (See Try This Section)
2. [Printable Ratio and Proportions Answer Key](#) (See Try This Section)
3. **Optional: Recipe for 12 shortbread cookies**
 - 2 cups of all-purpose flour
 - 1 cup of granulated sugar
 - ½ cup of butter
4. **Optional: Recipe for edible slime**
 - Drops of food coloring (add as desired)
 - 1 cup Jumbo Marshmallow (NOTE: Marshmallows typically are made with animal gelatin. Vegetarian and vegan marshmallows that can be substituted.)
 - ¼ cup Powdered or confectioner's sugar
 - Cooking oil (as needed)

Tuesday: Life Science Tuesday's Activities Supply List:

Please choose one item from each list below based on what you have available and/or access to. There are no preferred items group of items listed below. Your child/ren will be making a model of a cell. They will be able to use their creativity (based on the objects you choose) to make their very own cell model.

1. (1) section cardboard 8x12, or a blank sheet, or sheet of notebook paper
2. 3 ft Yarn, or 3 ft a thick string, or three shoelaces.
3. (1) Bouncy ball, or (1) small circle cutout out of paper, or Play-Doh that can be rolled into a ball.
4. (3-4) small pink square erasers, or (3-4) pink Starburst candies, or pink Play-Doh that can be molded into small squares
5. (10-15) Small red buttons, or (10-15) red Skittles, or (10-15) red M&Ms, or red Play-Doh that can be rolled into very small circles.
6. (3-4) yellow Small buttons, (3-4) yellow Skittles, (3-4) yellow M&Ms, or yellow Play-Doh that can be rolled into very small circles.
7. (1) drinking straw
8. (1-2) gummy worm candies (any candy such as an airhead/nerd ropes that can be bent or twisted into a shape).
9. Pencil
10. Markers/colors (optional)

Wednesday: Earth and Environmental Wednesday's Activities Supply List:

1. 2 cups of flour
2. ½ cup of salt
3. ½ cup of warm water
4. Food coloring: red, yellow, green and blue
5. 2 tbsp of cream of tartar (*optional*)
6. Dental floss, fishing line, or sewing thread (any of these will work, no sharp objects).
7. Ruler or measuring tape (*optional*)
8. Paper
9. Pencil
10. Markers, Crayons or Map Pencil (*optional*)

Thursday: Engineering Design Thursday's Activities Supply List

Your Engineering Design project for Thursday's lesson can be built using common household materials **including but not limited to** the list presented below which provides ideas for materials that can be used.

1. Cardboard
2. Adhesive materials (ex. tape, glue, marshmallows)
3. Scissors
4. Paper
5. String/ribbon
6. Incline planes (ex., books, cards, DVD box sets)
7. Levers (ex., ruler, dominoes, pencils)
8. Wedges (ex., door stop, deck of cards, block)

Friday, Physical Science - "Quarantine Theme Park Roller Coaster!" Supply List

You will use the conservation of energy to build different roller coasters. They'll convert potential energy into kinetic and back to make loops, hills, turns, and ramps!

Materials:

1. Insulated foam pipe (found at a local hardware store, like Lowes or Home Depot); Other possibilities include vacuum hose, plastic bottles or cardboard
2. Marbles (variety of marbles would be recommended); Other possibilities include ping pong balls, ball bearings or gumballs
3. Masking tape
4. Scissors
5. Paper
6. Smartphones with slow-motion mode and stopwatch
7. Landing target or cup; Other possibilities include a bowl, pot, or plastic containers
8. Feel free to incorporate *any* household items