

# Supply List: Unit 4 (Invention and Imagination)

The **Summer Activity Guide** is a suite of activities and resources intentionally designed to support youth-serving summer programs in delivering programming through multiple approaches during the COVID-19 pandemic. The activities included in the Guide are easy to implement with limited support and readily available materials. Here are the supplies youth will need to complete the activities for Unit 4. The lists are organized by age group.

## SUPPLIES FOR AGES 5 – 9

- Plain paper
- Watercolor paper
- Scissors
- Black washable marker
- 10 jumbo Popsicle sticks
- 5 rubber bands
- 1 plastic spoon
- Measuring cups, cups and spoons
- Marshmallows, small erasers, or pom poms
- Baking soda
- A squeeze bottle/ recycled condiment bottle (ex. an old mustard bottle)/ pipette
- Food coloring (multiple colors)
- Large jar or bottle (e.g., soda bottle)
- Cookie sheet or tray
- Corn Syrup
- Oil
- 1 Alka Seltzer tab
- 2 lemons cut in half
- Dawn dish soap
- White glue
- Cornstarch
- Borax
- 150 toothpicks
- 100 small marshmallows
- 1 plain, white cotton t-shirt
- 1 piece of cardboard
- Permanent markers
- Rubbing alcohol
- 1/3 cup white hair conditioner
- 40 pennies
- Aluminum foil

### Worksheets:

- Build a Catapult Handout
- Lemon Volcano Handout
- Copy of the '3D Geometric Shapes with Marshmallows and Toothpicks'
- Fizzy Dough Handout
- Tinfoil Boats Handout

## SUPPLIES FOR AGES 10-12

- Plain paper
- Watercolor paper
- Scissors
- Black washable marker
- 10 jumbo Popsicle sticks
- 5 rubber bands
- 1 plastic spoon
- Measuring cups, cups and spoons
- Marshmallows, small erasers, or pom poms
- Baking soda
- A squeeze bottle/ recycled condiment bottle (ex. an old mustard bottle)/ pipette
- Food coloring (multiple colors)
- Large jar or bottle (e.g., soda bottle)
- Cookie sheet or tray
- Corn Syrup
- Oil
- 1 Alka Seltzer tab
- 2 lemons cut in half
- Dawn dish soap
- White glue
- Cornstarch
- Borax
- 150 toothpicks
- 100 small marshmallows
- 1 plain, white cotton t-shirt
- 1 piece of cardboard
- Permanent markers
- Rubbing alcohol
- A jar with a lid
- Hairspray

### Worksheets:

- Build a Catapult Handout
- Lemon Volcano Handout
- Copy of the '3D Geometric Shapes with Marshmallows and Toothpicks'
- Cloud in a Jar Handout
- Famous Towers Handout

# Supply List: Unit 4 (Invention and Imagination)

## SUPPLIES FOR AGES 13-15

- Pen or pencil
- Markers, colored pencils, or crayons
- Paper
- Tape
- Scissors
- Ruler or measuring tape
- Cork board, foam board, or wood board
- Pushpins, toothpicks, or nails
- Hammer (if using nails)
- Colorful string, yarn, or thread
- A journal, notebook, or loose-leaf paper
- Any materials found around the home, such as string, glue, clips, scissors, rubber bands, garbage bags, foam cups, foil, straws, popsicle sticks, glue, etc.

## SUPPLIES FOR AGES 16-18

- Pen or pencil
- Markers or colored pencils
- Paper
- Tape
- Scissors
- Ruler or measuring tape
- An empty paper towel roll
- A paper or plastic cup
- Cellphone or MP3 player
- Crayons
- Canvas or cardstock
- Pencil sharpener or knife
- Wax paper
- An iron or hairdryer
- A journal, notebook, or loose-leaf paper
- Fan or hairdryer (optional)
- Any materials found around the home, such as string, glue, clips, scissors, rubber bands, garbage bags, foam cups, foil, straws, popsicle sticks, glue, etc.