

## **Bear Year Materials List**

### **Bear Claws/Whittling Chip**

Pocketknife for each Cub

- Needs to have can opener and screwdriver
- Recommended: BSA Official Cub Scouts Pocket Knife

Bars of soap (recommended: Ivory)

Rope, twine or fishing line

Sealed box

Can (to be opened with can opener on pocketknife)

Object with screws

### **Bear Necessities**

Rope to practice knots

### **Fur, Feathers, and Ferns**

Magnifying glass

### **Baloo the Builder**

Basic tools and toolbox

Materials to build bird house (recommend pre-made BSA kits)

Materials to build marble maze (see supplemental materials links)

- 18"x18" square of 3/4 inch plywood
- Box of nails
- Quilting ruler
- Pen
- Cordless Drill
- Hammer
- Rubber Bands

### **Paws for Action**

American flag to be displayed at home

### **A Bear Goes Fishing**

Fishing gear

### **Bear Picnic Basket**

Foil packets (for cooking)

### **Beat of the Drum**

Dreamcatcher craft kits

### **Critter Care**

Posterboards

### **Forensics**

Fingerprint kits

Different types of black, felt-tip markers

Salt

Sugar

Baking Soda

Cornstarch

### **Make it Move**

Materials to build exploding craft sticks

- Craft sticks
- Blocks – any type of small blocks.
- Plastic cups
- Rubber bands – thin ones work the best

Materials to make simple pulleys

- craft/popsicle sticks
- tape
- string
- scissors
- branch

Thread spools

Wooden paint stirrers

Small objects to be balanced

Materials to construct Rube Goldberg type machine

### **Marble Madness**

Marbles (one set per Cub)

### **Robotics**

Materials to build a robot hand

- Cardstock
- 2 Drinking Straws – Cut into 11  $5/8''$  pieces and 3  $3/8''$  pieces.
- 1 Smoothie Straw – Cut a 2  $1/2''$  piece.
- $1/8''$  wide Ribbon – Cut into 5  $18''$  pieces.
- $1/2'$  wide Tape
- Scissors

### **Super Science**

Balloons

Fleece blanket

Materials for sink or float investigation

- wood, metal, plastic, aluminum foil, apples, oranges, plastic bottles, toy blocks, paper, bathtub toys, plastic forks, rubber balls, soda-bottle caps, pencils, erasers, and sponges

Materials for color-morphing investigation

- One large jar or vase (must be clear)

- Water
- Cooking oil
- Liquid food coloring (blue, red, and yellow)
- Tablespoon
- Measuring cup

Materials for color-layering investigation

- Sugar (15 tablespoons)
- Water (15 tablespoons)
- Food coloring (blue, green, red, and yellow)
- Six clear plastic cups (same size)
- Tablespoon

**A World of Sound**

Materials to make a mbira

- block of wood
- pliers
- hot glue gun
- bobby pins
- craft sticks
- thumbtacks

Materials to make a sistrum

- 1 wire coat hanger
- Electrical tape
- Two (unsharpened) pencils or small dowels
- Assorted buttons, jingle bells or metal washers
- A small amount of floral wire, jewelry wire, fishing twine or embroidery thread
- A wire-cutter

Materials to make a rain stick

- A paper towel roll
- A sheet of paper
- A piece of aluminum foil
- A piece of plastic wrap
- Popcorn kernels or dry beans
- Tape
- Markers and/or stickers