

## **LIST OF MATERIALS AND COPIES FOR CAVOC SECOND GRADE CURRICULUM (2017)**

### **FALL - Birds**

#### **Activity 1 – Goin’ on a Bird Hunt**

- Colored, laminated, clasped bird posters (hang on route ahead of time)
- Binoculars (in Lu Berndt classroom)
- Clipboards
- Pencils

#### **Activity 2 – Bird Beaks**

- 6 sets of tools (in orange tool box containers)
  - pruning shears - eagles/hawks
  - regular pliers - grossbeak/parrot
  - skinny needle nose pliers - woodpecker/sandpiper
  - tongs - ducks/geese
  - bulb syringe/pipette - hummingbird
  - chopsticks - great blue heron/egret
- Twigs (to be snapped with pruning shears)
- Sunflower seeds (to be cracked with the pliers)
- Half of a bark-covered log (to demonstrate tweezers or needle nose pliers)
- Basin full of water
- Marbles (to demonstrate tongs)
- Plastic cups (to demonstrate syringe)
- Popped popcorn (to demonstrate chopsticks)

#### **Activity 3 – Birds vs. Worms**

- Shreds of colored paper in equal amounts of at least three colors, that can be used to represent “worms” in an outdoor setting

#### **\*Activity 4 – Build a Birdhouse (STEAM)**

- Pre-cut and pre-drilled wooden pieces
- Different colored Sharpie markers
- Copies of information about best places to hang/attach the wren house

#### **Activity 5 - “Gimme S’More” Fire Safety**

- Marshmallows, chocolate, graham crackers
- Roasting sticks
- Small table to put supplies on

## **WINTER – Animal Adaptations**

### **Activity 1 – Snowshoeing**

- Snowshoes - brought from school (CAVOC has some but they are too big for this age group)

### **Activity 2 – Some Animals are Camouflaged**

- Laminated photos of snowshoe hare, long-tailed weasel, chameleon, walking stick, fawn, toad, tree frog, garter snake
- Clipboards
- Pencils
- White items such as kleenex, white stuffed animal, cotton ball, white paper, etc. for scavenger hunt
- Copies of “Hidden White Items” worksheet

### **Activity 3 - Tubing**

- Tubes for tubing (there are some at CAVOC)

### **Activity 4 – Museum Scavenger Hunt**

- Book: Camouflage by Terry Jennings
- Book: A Home for the Winter by Mr. O’Beirne’s Second Grade Students at Stoddert Elementary School in Washington, D.C.
- Clipboards
- Pencils
- Copies of “Museum Scavenger Hunt” worksheet
- Copies of “Museum Scavenger Hunt Answers”

### **Activity 5 – STEAM Challenge**

- A paper bag of supplies (30 craft sticks and 20 rubber bands) for each team of 2-4 students
- Several decks of Challenge Cards
- Pencils
- STEAM Journals
- Catapult or exploding sticks challenges mentioned in their journals

## **SPRING – Bog Habitat**

### **Activity 1 – Critter Capture**

- Second Grade Science Journals (Spring)
- Clipboards
- Pencils

- Plastic containers with covers for water samples for the next station

### **Activity 2 - Bog Life**

- Hand lenses (magnifying glasses)
- Simple microscopes (red ones)
- Pencils
- Large basin
- Clear plastic containers
- Colored pencils, crayons, markers (from Lu Berndt Center)

### **Activity 3 - Why Wetlands? Why Forests? Why Prairies?**

- Clipboards
- Pencils

### **Activity 4 – Wooden Bog Boats (STEAM)**

- Pre-cut and pre-drilled wooden pieces
- Photos of river otter, coyote, mallard duck, pileated woodpecker

### **Activity 5 – The Great Boat Race**

- Rain gutters