

Grade 2 – Science

## Activity 6 – Recycling Robots

**What You Will Do:** Use recyclable materials to create a mini robot.

**What You Will Need:** One can (coffee, soup, vegetable)

Paper

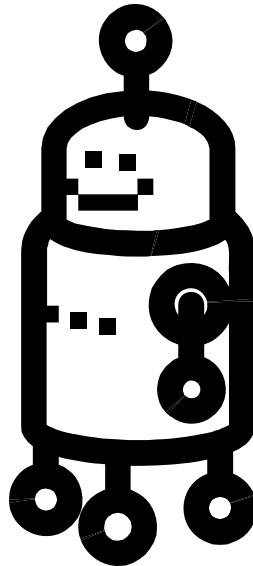
Crayons or markers

Tape

Other recyclable materials

### How To Do It:

1. With an adult's help, wash out a can thoroughly and let it dry completely.
2. Cover outside of can with paper and attach with tape.
3. Use crayons, markers, and other recyclable materials to create a robot of your choice.
4. Please complete activity sheet on the following page.



Name: \_\_\_\_\_

## Recycling Robot Activity Sheet

What is your robot's name?

\_\_\_\_\_

Where does your robot live?

\_\_\_\_\_

\_\_\_\_\_

What does your robot eat?

\_\_\_\_\_

\_\_\_\_\_

How does your robot help the environment?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What recyclable materials did you use to make your robot?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Activity 7 – Sensational Sunset

**What You Will Do:** Use observations to discover why the sky changes colors at different times during the day.

**What You Will Need:** Clean, clear jar  
Water  
Milk  
Flashlight  
Teaspoon

### How To Do It:

1. Fill the jar with cold water almost to the top.
2. Stir in 1 teaspoon of milk.
3. In a darkened room, hold the flashlight to the side of the jar.

### My Observation:

What color does the water look now? \_\_\_\_\_

4. Move the flashlight around so it is shining through the jar at you.

### My Observation:

What color does the water look now? \_\_\_\_\_

5. Stir 2 teaspoons of milk into the water.
6. Hold the flashlight to the side of the jar.

### My Observation:

What color does the water look now? \_\_\_\_\_

7. Hold the flashlight so it shines through the jar at you.

### My Observation:

What color does the water look now? \_\_\_\_\_

**What Do You See:** Please answer the questions on the following page.

Name: \_\_\_\_\_

## Sensational Sunset Activity Sheet

**Why do you think the water changed colors?**

---

---

---

---

**When you see a sunset outside, what do you think causes the sky to change colors?**

---

---

---

---



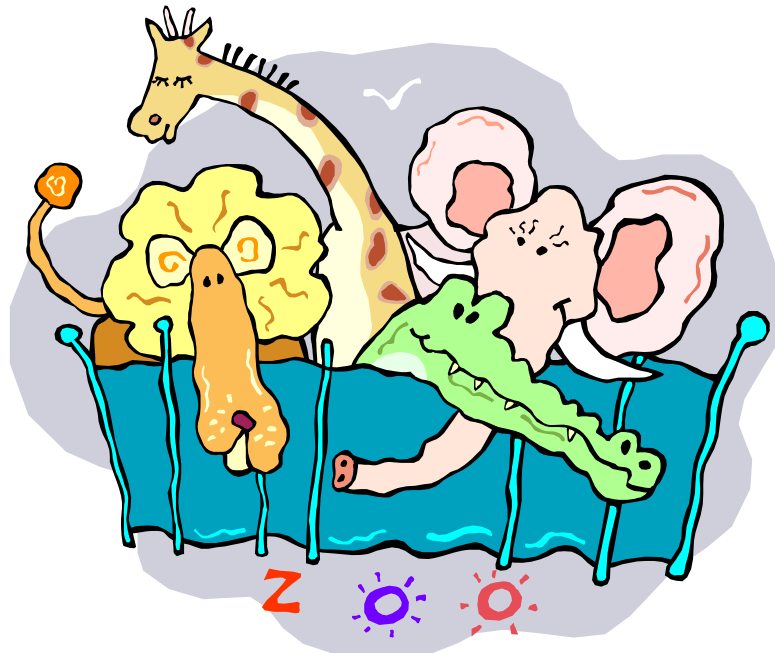
## Activity 8 – Amazing Animals

**What You Will Do:** Sort animal pictures into groups based on their habitats.

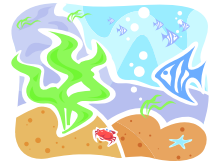
**What You Will Need:** Scissors  
Crayons or Markers  
Glue or Tape  
Print out animal and habitat pages

### How To Do It:

1. Use the following pages to complete this activity.
2. Print out pages and cut out animal pictures.
3. Use crayons or markers to create the habitat background.
4. Glue or tape animal pictures onto the correct habitat pages.



Name: \_\_\_\_\_



# Ocean

Name: \_\_\_\_\_



# Desert



Name: \_\_\_\_\_

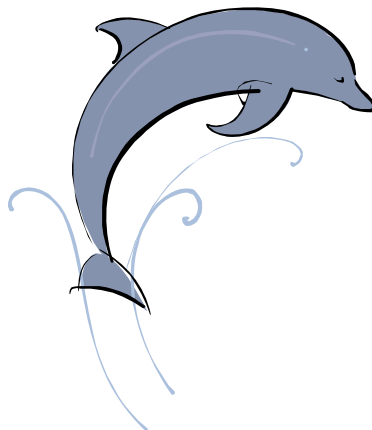
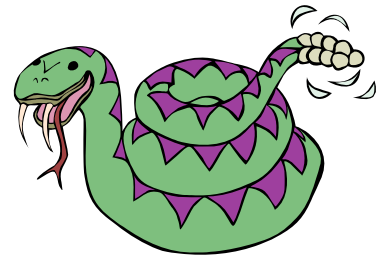
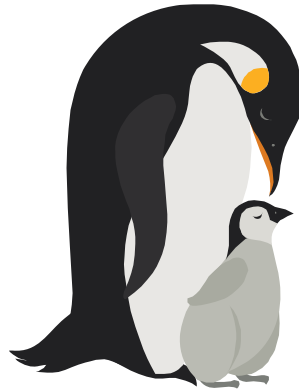
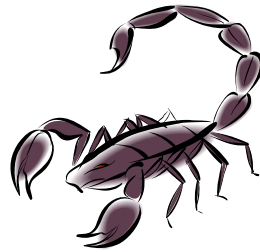
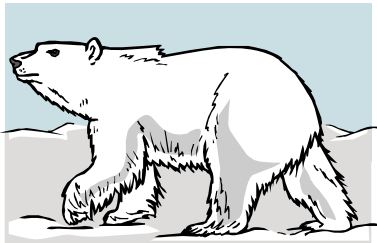
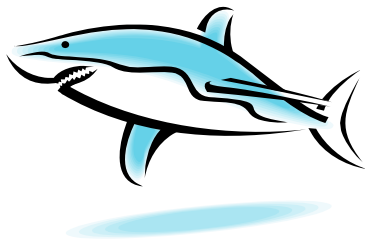
# Arctic

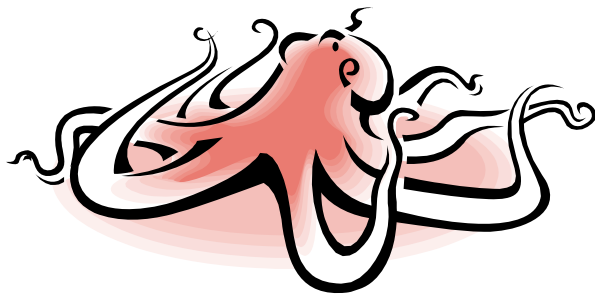
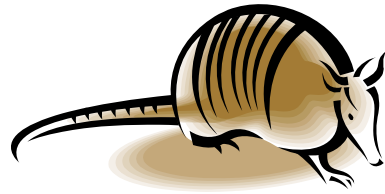


Name: \_\_\_\_\_



# Rainforest





Grade 2 – Science

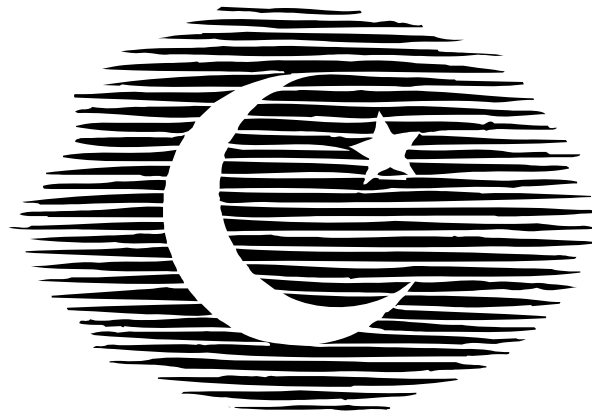
## Activity 9 – Our Night Sky

**What You Will Do:** Make observations of the night sky and record your observations.

**What You Will Need:** Observation activity sheet  
Telescope or binoculars (optional)

### How To Do It:

1. Under adult supervision, go outside on a clear night to observe the night sky.
2. Look at the position of the moon in the sky and decide what phase it is.
3. Look at the stars. Do you see any constellations?
4. What else do you see in the night sky?
5. Record your observations and draw a picture of what you saw on the following page.



Name: \_\_\_\_\_

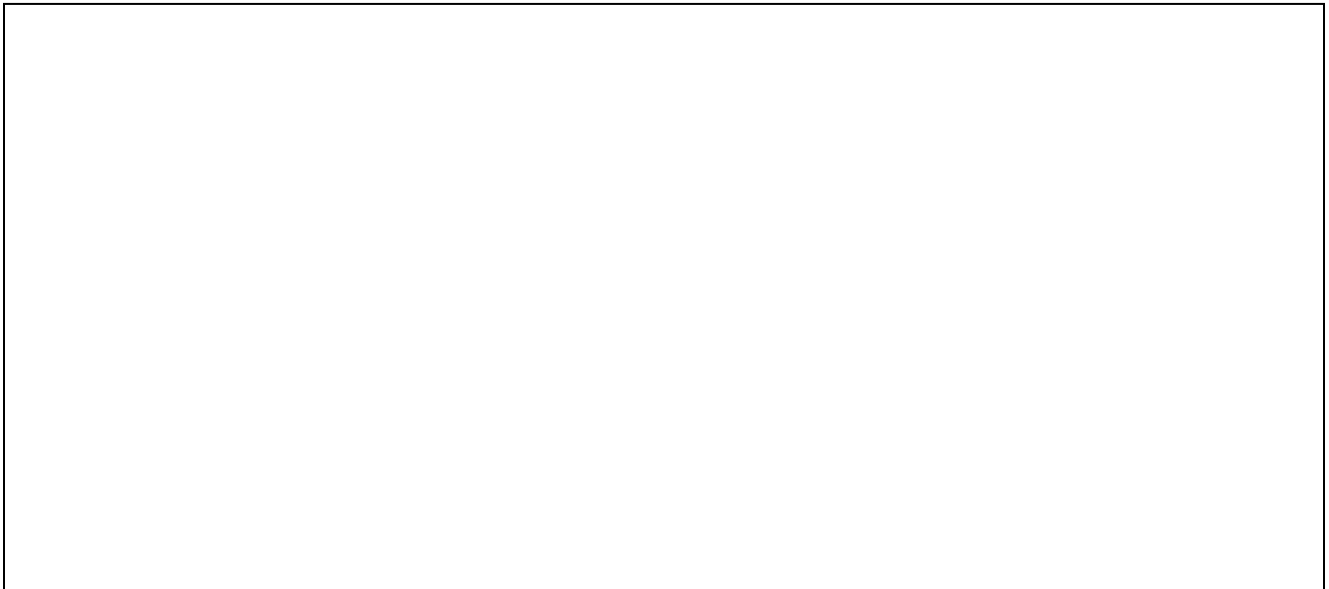
## Our Night Sky Activity Sheet

I observed the moon in \_\_\_\_\_ phase.

(new moon, quarter moon, half moon, full moon)

I predict there are \_\_\_\_\_ number of stars in the sky.

If I saw constellations, this is what they looked like.



Draw a picture of the night sky that you observed on the following page.

Name: \_\_\_\_\_

## **Our Night Sky Picture**

Grade 2 – Science

## Activity 10 – Invisible Ink

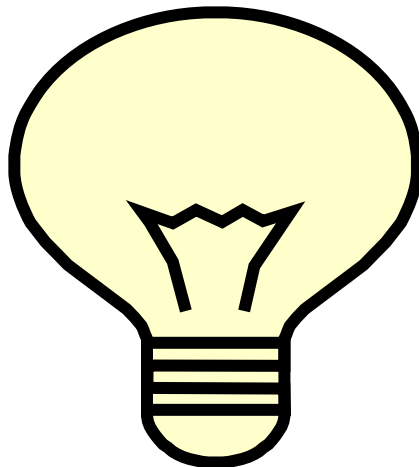
**What You Will Do:** How can you write and read secret messages?

**What You Will Need:** Bottle of lemon juice  
Paintbrush  
Notebook paper or plain paper

### How To Do It:

1. Pour some of the lemon juice into a small bowl.
2. Dip the paintbrush in the lemon juice.
3. Write a message on a piece of paper using the paintbrush.
4. Let the message dry completely.
5. Hold your paper up to a light bulb. Move it back and forth until the paper starts to get warm. **Do not put the paper on the light bulb!**

**What Do You See:** Please answer the questions on the following page.



Name: \_\_\_\_\_

### Invisible Ink Activity Sheet

**My Observations:** (What did you see?)

After the paper dried.	After you held the paper up to the light.

**My Results:** (What made the message disappear and reappear?)

---

---

---

---

**A Closer Look:** Lemon juice is a chemical. When it combines with the heat energy from the light bulb, a chemical change happens. This changes the color of the lemon juice, letting you see your message.