

## **Activity-40: Animals, Fruits and Seeds**

### **Aim:**

Do animals that eat fruits also eat seeds?

### **Reason for experiment:**

Have you observed that we humans cannot digest the seeds of okra?

Have you observed small rounded or granular like material in bird droppings on the ground or car wind shields?

Have you observed seeds in cow dung?

### **Principle:**

Many animals eat fruits but are not able to digest the seeds in them. So when they egest the waste matter the seeds return back to the environment. As you have learned that most animals move around a lot in your previous classes on animal locomotion. You have also learned that there are animals that eat other animals which also move around a lot. So these animals will be egesting waste matter in different places. So **undigested seeds are dispersed** in different places.

### **Procedure:**

Make a list of different animals that eat plant parts, especially fruits.

Now try to observe these animals or by discussing with your teacher try to find out if these animals can or cannot digest the seeds and eventually egest them with their waste matter.

To simplify you activity, try observing for animals on or near trees bearing fruits. The fruits may be of any kind and may or may not be consumed by humans.

Explore the ground near large buildings where you find pigeons or underneath electrical wired, near poles, under or on large trees.

Try to find you what kinds of seeds you find in cow dung and ask the cow boys what they feed the cattle.

Try to follow cattle and find out what they eat and check for any seeds in their cow dung. If you find any, compare them against the seeds of the plants that found the cattle to be feeding on.

Go to a nearby poultry and observe if you find any seeds in hen droppings.

**Here is a table of animals. Try to fill the table as much as possible:**

Animal	Eats fruits	Eats seeds	Digests seeds	Egests seeds	Eats neither
Parrot					
Cow					
Hen					
Fish					
Pigeon					
Humans					
Ants					
Cockroaches					
Squirrel					
Rabbit					
Horse					
Donkey					
Cat					
Dog					
Monkey					
Keep adding to this list...					

