

## FEATHERED FRIENDS

Grade Level- Pre-kindergarten – 2<sup>nd</sup> Grade

Strand(s) - Standard(s) - Benchmark(s)

### LANGUAGE ARTS

The student uses writing processes effectively **LA.B.1.1.1**

The student writes to communicate ideas and information effectively **LA.B.2.1.2**

The student uses speaking strategies effectively **LA.C.3.1.1**

The student understands the common features of a variety of literary forms

**LA.E.1.1.1**

The student responds critically to fiction, non-fiction, poetry and dramas

**LA.E.2.1.2**

### MATHEMATICS

The student uses estimation in problem solving and computation **MA.A.4.1.1**

The student describes, analyzes and generalizes a wide variety of patterns, relations and functions **MA.D.1.1.1**

The student understands and uses the tools of data analysis for managing information **MA.E.1.1.3**

The student identifies patterns and makes predications from an orderly display of data using concepts of probability **MA.E.2.1.2**

The student uses statistical methods to make inference and valid arguments about real-world situations **MA.E.3.1.2**

### SCIENCE

The student understands that types of motion may be described measured and predicted **SC.C.1.1.1**

The student describes patterns of structure and function in living things

**SC.F.1.1.1**

**SC.F.1.1.2**

**SC.F.1.1.3**

**SC.F.1.1.4**

**SC.F.1.1.5**

The student understands the process and importance of genetics diversity

**SC.F.2.1.1**

**SC.F.2.1.2**

The student uses the scientific processes and habits of mind to solve problems

**SC.H.1.1.1**

**SC.H.1.1.3**

**SC.H.1.1.4**

**SC.H.1.1.5**

### **Learning Objectives**

The student will:

1. Classify birds that fly
2. Identify different uses for beaks
3. Understand the functions of a feather
4. Understand how birds live together
5. Explain how flamingos get their color
6. Observe color patterns on birds and their eggs
7. Design a bird journal
8. Organize data

### **Skills**

Cooperative learning

Classifying

Recording information

Articulation of own ideas

Develop communication and writing skills

Develop observational skills

Florida Writes

FCAT Vocabulary

### **Key Words**

beak	feather	nest	parrot
parakeet	flamingo	flock	lorikeet
lory	perch	macaw	pigeons
clutch	roost	toucan	quill
lovebird	toucan	cockatoo	crane
ibis	owl	hawk	preening
American Bald Eagle		swan	peacock
peahen			

### **Facilitator Preparation**

Prepare your classroom by collecting bird books and meet with your media specialist to set aside extra reading materials for students' independent reading time.

### **Background**

Ornithology is the study of birds.

Not all flying animals are birds; and not all birds can fly. Some can run, swim or a combinations of these.

Bird's feathers are used for flying, thermal insulation and for courtship.

Beaks are used for eating, defense, feeding young, building nest, preening and courting.

Male birds are frequently more brightly colored.

Birds play an important role in controlling of insects.

Flamingos get their pink coloring from the carotene in their diet.

Flamingos are born with gray or white feathers.

A flamingo's ankles are located about halfway up the leg.

The quill is the center of the feather.

The ostrich is the largest bird.

A clutch is group of eggs.

Peacocks are the males.

Peahen is the female counterpart of the peacock.

## **Pre- Site Activities**

### **FLYING HIGH**

#### **Materials**

Binoculars

#### **Activity**

Have students become bird watchers. Ask- What sounds do you hear?

How does the bird move? Check for birds posture, behavior, color and voice.

Students should keep records daily of what they see.

#### **Assessment**

Check student's records of daily bird watching

### **TO FLY, OR NOT TO FLY**

**Materials**

Encyclopedias  
Computers  
Library books

**Activity**

Students will research information on flying and non-flying birds. K and 1<sup>st</sup> grade teachers may provide this information to their students.  
Place research information in a binder for the students to keep.

**Assessment**

Completed research

**LIGHT AS A FEATHER****Materials**

A legally obtained migratory bird feather\*  
Overhead projector  
Magnifying glass

**Activity**

Place the feather on the overhead projector. Have student view the parts of the feather (quill, shaft, and vane)

**Assessment**

Have students reproduce what they see on drawing paper.

\* FEDERAL LAW PROHIBIT POSSESSION OF MIGRATORY BIRD FEATHERS. Call your local poultry farm or nature center to request a completely intact feather.

**FLOCKING TOGETHER**

**Materials**

Magazine pictures of different birds (have students bring in pictures)

**Activity**

Use the bird pictures to make a large collage of birds.  
Have students observe the many different beaks and feathers.

**Assessment**

None

**COLOR ME PINK****Materials**

Red food coloring  
White carnations  
Tall glasses or jars

**Activity**

Have students observe how the flower change color. This activity shows that the flamingo gets its coloring from the carotene in its diet.

**Assessment**

Teacher observation

**LET'S FEED THE BIRDS****Materials**

Pinecones (one per student)  
Peanut butter  
Birdseeds  
String

**Activity**

Have students roll the pinecones around in the peanut butter.  
Next, sprinkle on the birdseeds. (This is best if done outside)  
Have students hang the birdfeeders from a tree or fence.

**Assessment**

The enjoyment of watching the birds come to visit.

### **On- Site Activities**

I Spy Book- Students will draw what they see at Parrot Jungle Island  
Visit the aviaries  
Feed the parrots  
Attend parrot show at the Parrot Bowl  
Visit the Lories

### **Post- Site Activities**

#### **TELL ME ABOUT IT**

##### **Materials**

Journals

##### **Activity**

Draw and tell about their favorite bird at Parrot Jungle Island. Graph the results.

##### **Assessment**

Completed drawing and class graph

#### **MAKE A NEST**

##### **Materials**

Torn up brown paper bags

Twigs

Yarn

Grass

Other items that birds might use to create a nest

##### **Activity**

Students will create a nest using all the materials listed.

##### **Assessment**

Teacher Observation

#### **EGGS, EGGS AND MORE EGGS**

**Materials**

White construction paper  
Markers or crayons

**Activity**

The teacher will explain why eggs are different color, sizes, and shapes. Students will draw different bird eggs. Making eggs with patterns to show how the eggs are camouflaged. Example- birds that lay eggs on the ground usually have spots so that the egg looks like a rock.

**Assessment**

Completed student drawings

**MY NEW GIFT****Materials**

Journals

**Activity**

Florida Writes: Your grandparents just brought you a parrot worth \$600, what would you do next?

**Assessments**

Completed paragraphs

**Extensions**

Bring in eggs to show the hardness of the shell  
Research why flamingos sleep on one leg  
Have a bird play  
Set up eating situations in the classroom to show students how different beaks work  
Complete a unit on native Florida birds

**Related Literature**

*The Perfectly Pesky Pet Parrot*-Varlee Wiggins  
*Dragon Teeth and Parrot Beaks: Even Creatures Brush Their Teeth*-  
Almute Grohman  
*The Parrot and the Fig Tree*- Roxanne Hart  
*Princess Penelope's Parrot*- Helen Lester  
*Rosa's Parrot*- Jan Wahl  
*Little Wild Parrot*-Tony Johnston  
*Super Parrot*-Mirna Benitez  
*Are You My Mother?* -Random House  
*Fly Away Home*- Eve Bunting  
*Daisy and the Egg*- J. Otto Seibold  
*There's an Owl in the Shower* – Jean Craighead  
*Tacky the Penguin*- Helen Lester  
*Make Way for Ducklings*- RobertMcCloskey

### **Songs/Rhymes**

Five Little Ducks  
Sing a Song of Sixpence  
Over the Meadow

### **Internet Resources**

[www.parrotjungle.com](http://www.parrotjungle.com)  
[www.enchantedlearning.com](http://www.enchantedlearning.com)  
[www.proteacher.com](http://www.proteacher.com)

Name \_\_\_\_\_

# BIRDS

1. I am a swimming bird with webbed feet. \_\_\_\_\_
2. These cover the body of a bird. \_\_\_\_\_
3. I am a pink bird with long legs and a long neck. \_\_\_\_\_
4. I am the biggest bird, but can not fly. \_\_\_\_\_
5. My tail feathers are long and beautiful. \_\_\_\_\_
6. I am a colorful bird that sometimes talks. \_\_\_\_\_

## WORD BANK

flamingo      peacock      parrot  
ostrich      feathers      duck



