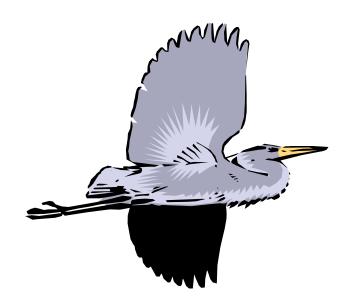
MAST ACADEMY OUTREACH

MIDDLE SCHOOL PROGRAM Birds of Wakodahatchee On-site Package



MAST Academy

Maritime and Science Technology High School

Miami-Dade County Public Schools

Miami, Florida

BIRDS OF WAKODAHATCHEE

ON-SITE PACKAGE

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Student Instructions



- 1. Use the field note sheets in this packet to record field notes for each of the birds that you see while exploring Wakodahatchee Wetlands.
- 2. You will be given a <u>Field Guide</u> to help with identification. Use the Bird Checklist to check off each bird you identify.





- Binoculars will help you to see the field marks needed to identify the birds. Make sure your binoculars are always ready for use by keeping them around your neck while you are on the trail.
- 4. Let the instructor know if you see a bird that hasn't been seen yet. Stay with the group to ensure that you don't miss any sighting. Remember that being quiet while on the trail will allow everyone to observe a bird before it flies away.





- Other wildlife, such as mammals or reptiles, will alsmost certainly be seen while on the trail. KEEP YOUR DISTANCE! Use the enclosed sheet to help you identify these creatures.
- 6. It gets hot out here! Make sure you wear headgear, sunscreen, and carry water with you while on the trail. Be sure to apply insect repellent <u>before</u> you hit the trail.





7. LET'S HAVE FUN AND ENJOY THE BEAUTY OF WAKODAHATCHEE WETLANDS!



Birds Spotted at the Wakodahatchee Wetlands

Grebes Pied-billed Grebe

Policans and Allies
Brown Pelican
Double-crested Comorant
Anhinga

Herons, Egrets and Allies
American Bittern
Least Bittern
Great Blue Heron
Great Egret
Cattle Egret
Snowy Egret
Tricolored Heron
Little Blue Heron
Green Heron
Black-crowned Night Heron

Ibiaes, Spoonbill, Stork White Ibis Glossy Ibis Roscate Spoonbill Woodstork

Waterfood
Snow Goose
Wood Duck
Green-winged Teal
Mottled Duck
Blue-winged Teal
Northern Pintail
Northern Shoveler
American Wigeon
Gadwall
Ring-necked Duck
Redhead
Hooded Merganser
Ring-necked Teal
Ruddy Duck

Vultures, Hanoks and Alliest Black Vulture Cuprey Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Red-stilled Hawk Red-stilled Hawk American Kestrel Merlin Persynne Falcon Rails, Gallinules, Coots and Cranes

Limpkin
Virginia Rail
Yellow Rail
Sora
Purple Gallinule
Common Moorhen
American Coot
Sandhill Crane

Shorebirds
Black-bellied Plover
Semipalmated Plover
Killdeer
Black-necked Stilt
Greater Yellowlegs
Lesser Yellowlegs
Solitary Sandpiper
Spotted Sandpiper
Semipalmated Sandpiper
Western Sandpiper
Least Sandpiper
Pectoral Sandpiper
Detection Sandpiper
Locate Sand

Gulls and Terms
Laughing Gull
Boneparte's Gull
Ring-billed Gull
Herring Gull
Lesser Black-backed Gull
Caspian Tern
Forste's Tern
Gull-billed Tern
Lesst Tern
Black Tern

Short-billed Downtcher

Common Snipe

Pigeons and Doves
Eurasian Collared-Dove
White-winged Dove
Mourning Dove
Common Ground-Dove

Cuckoos and Anis Yellow-billed Cuckoo Smooth-billed Ani

Owls and Goatsuckers Eastern Screech Owl Great Horned Owl Common Nighthawk

Swifts and Kingfishers Chimney Swift Belted Kingfisher

Woodpeckers Red-bellied Woodpecker Downy Woodpecker Northern Flicker

Flycatcher Least Flycatcher Eastern Phoebe Eastern Kingbird

Sbrikes Loggeshend Shrike

Virus White-cycd Vireo

Jaye and Crows Blue Jay Fish Crow

Martins and Swallows Purple Martin Barn Swallow Tree Swallow Northern Rough-winged Swallow Bank Swallow

Wrens House Wren Sedge Wren Marsh Wren

Kinglets and Gnateatchers Blue-gray Gnateatcher

Thrusbers American Robin Gray Catbird Northern Mockingbird Brown Thrasher

Starlings and Waxwings European Starling Cedar Waxwing



Warblers
Northern Parula
Yellow-rumped Warbler
Yellow-duroared Warbler
Prine Warbler
Prairie Warbler
Palm Warbler
American Redstart
Northern Waterthrush
Common Yellowthroat

Tanagers Summer Tanager

Wilson's Warbler

Sparrous
Eastern Towhee
Savannah Sparrow
Swamp Sparrow

Grosbeaks and Allies Northern Cardinal Rose-breasted Grosbeak Indigo Bunting Painted Bunting

Blackbirds, Grackles, Conobinds and Orioles Bobolink Red-winged Blackbird Common Grackle Spat-tailed Grackle Stany Cowbird Stany Cowbird



Other Wildlife Seen in South Florida

Mammals





___River Otter



_Opossum



___Marsh Rabbit



__Gray Squirrel



_White-tailed Deer



Reptiles

___American Alligator



__Florida Redbelly Turtle



__Florida Softshell



__Florida Water Snake



__Florida Cottonmouth



_Eastern Indigo





Step 3: Shape/Color of Bill (circle one)	Color of bill Wide, the Short thin, pointed Short thick Short, hooked Comp. thin Short, groun, Sharp, chinch-like Long, spon-like	Circle all that apply) (circle all that apply) Wing packed wing Barn Other Step 11: Markings on the Wings on the Rump (circle one)	Step 15: Draw the Bird Name of Bird
Step 2: Compare Size (circle one)	Smaller A Hgeons, Dover (117) Jay Larger than Crow Crown (157)	Step 6: Wing Shape (circle one) Long thin Short, wide Long wide Other Step 10: Markings on the Breast (circle all that apply)	Other Step 14: Basic Bird Group (circle one) Land Water Bird Bird Rird of Prev
Step 1: Bird's Location/Patterns in Behavior (circle all that apply)	PATTERNS IN BEHAVIOR Bouncing Flight Gilding flight Hovering flight In Trees Climbs up twe climbs down twe transless withing the contractions of the contractions o	S: Ma (circle	Other Step 13: Markings on the Tail (circle all that apply) End Edges Sides
Step 1: Bird's Location (circle all	In the Air Straight flight On the Ground Walts Hops In the Water	Step 4: Shape of Top of Head (circle one) Crest Plain Step 8: Shape/Color of Legs(circle one)	Short Long Short Long Step 12: Tail Shape (circle one) M M Method Pointed Rounded



Step 3: Shape/Color of Bill (circle one)	Color of bill Wide, that Short, thin, pointed Short, thick Short, hooked Cong. thin Short, root Sharp, chisel-like Long, spear-like	Step 7: Patterns on the Wings (circle all that apply) State of the Wing packet wing Bur Other	Step 11: Markings on the Rump (circle one)	Step 15: Draw the Bird Namc of Bird
Step 2: Compare Size (circle one)	Smaller A Hgeons, Dover (11") Jay The Cove (15") Larger than Crow	Step 6: Wing Shape (circle one) Long thin Short, wide Long wide Other	the Breast (circle all that apply) speu Speu Ban Other	Step 14: Basic Bird Group (circle one) Land Water Bird Bird Rird of Prev
Step 1: Bird's Location/Patterns in Behavior (circle all that apply)	PATTERNS IN BEHAVIOR Bouncing Flight Gliding flight Hovering flight In Trees Climbs up tree The trubs of branches results of branches Swims	Step 5: Markings on the Face (circle all that apply) Eye suipes Bye rings Other	Step 9: Feet Shape (circle one) Seruchia Clumbia Switching Freeding Walling Calcibing prov.	Other Step 13: Markings on the Tail (circle all that apply) End Edge Sides Other
Step 1: Bird's Locatic	In the Air Straight flight On the Ground Walls Hops In the Water	Step 4: Shape of Top of Head (circle one)	Step 8: Shape/Color of Legs(circle one)	Step 12: Tail Shape (circle one)



Step 3: Shape/Color of Bill (circle one)	Color of bill Wish, the Short thin pointed Short thick Short, hooked Coug thin Short, event Sharp, chisel-like Long, spear-like	Step 7: Patterns on the Wings (circle all that apply)	Step 11: Markings on the Rump (circle one)	Step 15: Draw the Bird Name of Bird
Step 2: Compare Size (circle one)	Smaller A Higeons, Doves (11") Jay Larger than Crow Crows (15")	Step 6: Wing Shape (circle one) Long thin Short wide Long wide Other.	the Breast (circle all that apply)	Step 14: Basic Bird Group (circle one) Land Water Bird Bird Bird Rird of Prev
Step 1: Bird's Location/Patterns in Behavior (circle all that apply)	PATTERNS IN BEHAVIOR Bouncing Flight Oliding flight Hovering flight In Trees Climbs up tree Climbs up tree Climbs or braches Swims	Step 5: Markings on the Face (circle all that apply)	Step 9: Feet Shape (circle one) Strengths Climbias Switching Freeding Windling Cauding Service	Other Step 13: Markings on the Tail (circle all that apply) Circle all that apply) End Edge Sides Other
Step 1: Bird's Locat	In the Air Straight flight On the Ground Walks Hops In the Water Wades	of Head (circle one)	Step 8: Shape/Color of Legs(circle one)	Short Long Step 12: Tail Shape (circle one) M Kamera Neiched Pointed Rounded Forted Other



Step 3: Shape/Color of Bill (circle one)	Color of bill Wide, the Short thin, pointed Short thick Short, hooked Comp. thin Short, groun, Sharp, chinch-like Long, spon-like	Step 7: Patterns on the Wings (circle all that apply)	Wing packed Wing Barn Other Step 11: Markings on the Rump (circle one)	Parch Phain	Step 15: Draw the Bird Namc of Bird
Step 2: Compare Size (circle one)	Smaller A Hgeons, Dover (117) Jay Trans Grown (157) Larger than Crow	Step 6: Wing Shape (circle one)	Long, thin Short, wide Long, wide Other Step 10: Markings on the Breast (circle all that apply)	Spots Barn	Step 14: Basic Bird Group (circle one) Land Water Bird Bird Rird of Prev
Step 1: Bird's Location/Patterns in Behavior (circle all that apply)	PATTERNS IN BEHAVIOR Bouncing Flight Gliding flight Hovering flight In Trees Climbs up tres Trees Climbs down tree Trees Climbs or branches Trees T	Step 5: Markings on the Face (circle all that apply)	Eye stripes Bye riags Other Step 9: Feet Shape (circle one)	Sormathra Clumbing Switzening Previous Previ	Step 13: Markings on the Tail (circle all that apply) End Edge Sides Other
Step 1: Bird's Locati	In the Air Straight flight On the Ground Walts Hops In the Water	Step 4: Shape of Top of Head (circle one)	Crest Prints Step 8: Shape/Color of Legs(circle one)	Color of legs	Short Long Step 12: Tail Shape (circle one) M M Metched Pointed Rounded



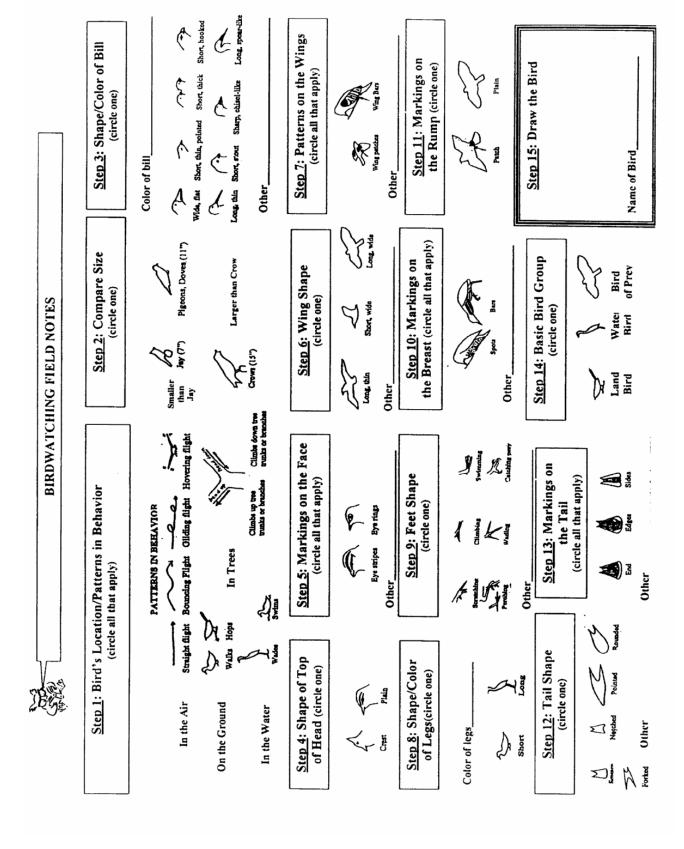
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Step 2: Compare Size (circle one)	Smaller A Pigeons, Doves (11") Jay Larger than Crow Crown (15")	Step 6: Wing Shape (circle one) Long thin Short, wide Long wide Other Step 10: Markings on the Breast (circle all that apply) Short Sport Short Sho	Step 14: Basic Bird Group (circle one) Land Water Bird Bird Rird of Prev
Step 1: Bird's Location/Patterns in Behavior (circle all that apply)	PATTERNS IN BEHAVIOR Bouncing Flight Gilding flight Hovering flight In Trees Climbs up tree The Climbs down tree transits or branches Swims	Circle all that apply) Eye stripes Bys stags Other Step 9: Feet Shape (circle one)	tep 13: Markings the Tail (circle all that appl)
Step 1: Bird's Locatio	In the Air Straight flight On the Ground Walks Hops In the Water	Step 4: Shape of Top of Head (circle one) Cret Plain Step 8: Shape/Color of Legs(circle one)	Short Long Step 12: Tail Shape (circle one)

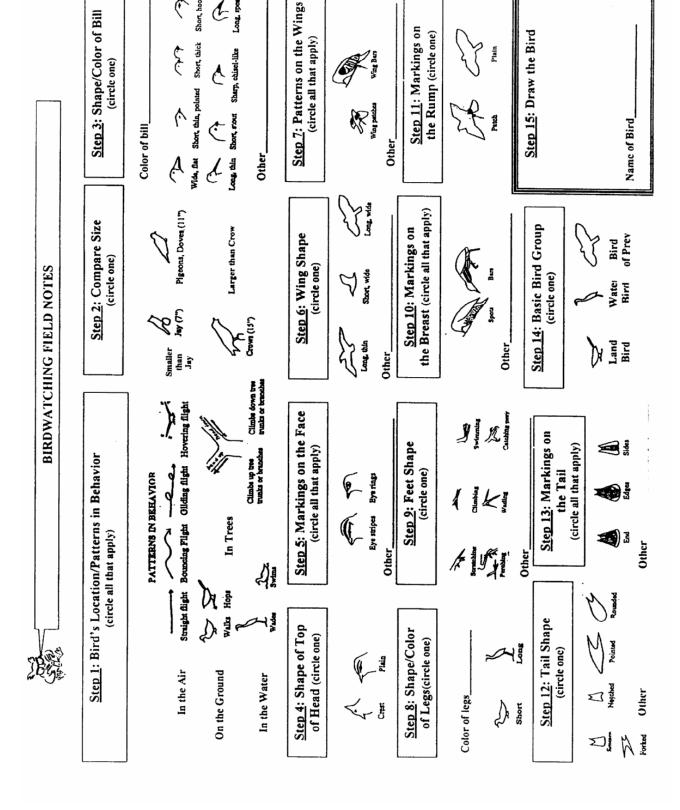


Step 3: Shape/Color of Bill (circle one)	Color of bill Wide, the Short thin, pointed Short thick Short, hooked Comp. thin Short, rout Shurp, chisel-like Long, spon-like	Step 7: Patterns on the Wings (circle all that apply)	Long. wide Wing Barn Wing Barn Other		Parch Phain	Step 15: Draw the Bird	Name of Bird
Step 2: Compare Size (circle one)	Smaller A Pigeons, Dover (11") Jay Art T Pigeons, Dover (11") stree Grown (15") odes	Step 6: Wing Shape (circle one)	Long thin Short wide Long	Step 10: Markings on the Breast (circle all that apply)	speu Ban	Step 14: Basic Bird Group (circle one)	Land Water Bird Bird Bird of Prev
Step 1: Bird's Location/Patterns in Behavior (circle all that apply)	Straight flight Bouncing Flight Oliding flight Hovering flight Walts Hops In Trees Climbs up tree Climbs up tree The straight flight cover tree Walts Swims	Step 5: Markings on the Face (circle all that apply)	Eve stripes Bye rings Other	Step 9: Feet Shape (circle one)	Sormethin Climbias Swinning The Market Climbias Swinning The Mar	OtherStep 13: Markings on the Tail	(circle all that apply) End Edges Sides Other
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Overing flight in the Face with or branches with the Face on the F	Step 2: Compare Size Step 3: Shape/Color of Bill (circle one)	Color of bill Pigeons, Doves (117) Wide, flat Short, thin, pointed Short, thick Short, hooked The first than Crow Long, thin Short, grout Sharp, chief-like Long, spearlike Other	Ving Shape Ving Shape (circle all that apply) Circle all that apply) Step 11: Markings on the Wings on the Wings (circle all that apply) Step 11: Markings on the Wings on the Wings on the Wings on the Rump (circle one)	Bur Phas Phain Phas Bird Group one)	
	Step 1: Bird's Location/Patterns in Behavior (circle all that apply)	A BEHAVIOR 1 Gliding flight Hovering flight fran Pay (7") Las Climbs up tree Climbs up tree Climbs of branches Trunks or branches Trunks or branches Trunks or branches	all that apply) all that apply) By rings Considerated the state one)	Step 14: Basic B (circle on	W W





Long, spourlike

Short, hooked

Step 7: Patterns on the Wings Step 3: Shape/Color of Bill Step 11: Markings on the Rump (circle one) Step 15: Draw the Bird (circle all that apply) Wide, flat Short, thin, pointed Short, thick 5 Long, thin Short, Front Sharp, chisel-like (circle one) Pate Name of Bird Color of bill Other Other Ą Sat Ma Pigeons, Doves (11") the Breast (circle all that apply) Step 2: Compare Size Step 14: Basic Bird Group Larger than Crow Step 10: Markings on Bird of Prev Step 6: Wing Shape (circle one) (circle one) BIRDWATCHING FIELD NOTES Short, wide (circle one) Smaller hay (7") than hay (7") Jay Other Land Bird Long, thin Other_ Climbs down tree runks or branches Straight flight Bouncing Flight Oliding flight Hovering flight Step 5: Markings on the Face (circle all that apply) Swinzing Swinzing Saidhing year Step 13: Markings on Step 9: Feet Shape (circle all that apply) Climbs up tree trunks or brunches Step 1: Bird's Location/Patterns in Behavior ad of (circle one) the Tail PATTERNS IN BEHAVIOR Eye stripes Bye rings In Trees **3** (circle all that apply) Other Other Other 4 d Walks Hops Step 12: Tail Shape Step 4: Shape of Top Step 8: Shape/Color of Head (circle one) of Legs(circle one) (circle one) In the Air On the Ground In the Water Other Color of legs ğ 🌂

Fone, spear-like

Short, hooked

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Title VII of the Civil Rights Act of 1964, as amended - prohibits discrimination in employment on the basis of race, color, religion, gender, or national origin.

Title IX of the Education Amendments of 1972 - prohibits discrimination on the basis of gender.

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