

WESO 2022

FEATHERED FRIENDS



Grades: 2, 3, 4, 5

Team Size: 1-2 Participants

Duration: 30 minutes

Supervisors: Danielle Johnson, Jenna Munson, Karinne Tennenbaum

Goal:

Get kids outside birding. This means all grade will have a common bird list with calls they can easily identify and birds they will commonly see in any of Ann Arbor's school or city nature areas, or areas within 30 minutes for field trips (i.e. Kensington Metropark, The Arboretum, Gallup Pond, Eberwhite Woods).

Summary description:

Participants will be tested on bird identification skills and basic bird science. Bird vocalizations, habitat, behavior, specimen identification, and field guide comprehension will be included as part of this hands-on, multimedia event.

There will be:

New birds on all lists

A focus on a group of birds for each grade

Concepts covered: Each group should have knowledge of color, sound/song, habitat, diet, migration, and identifiable adaptations for all birds on the "Common Bird list", as well as the birds on their grade-specific list.

***Each grade-level test will mostly cover birds from that grade-level list. See test description for more information on this.

Rules:

No handwritten notes

Field guides permitted - no notes are allowed in the field guide. Field guides are new this year and should be unmarked. Any groups with marked field guides will be supplied a different field guide for the test.

Tabs with bird names are allowed in field guide

Spelling errors do not count against the students

Materials distributed by WESO:

1 field guide provided per grade to all schools by WESO: *The Sibley Field Guide to Birds of Eastern North America: Second Edition* also known as "Sibley Birds East"

Materials to bring to the competition:

Pencils, a test score sheet, bird list, and the "*Diet Guide*" will be provided

Team members should bring their own *Sibley Birds East* guidebook

Limited field guides will be available to borrow at the event

Other field guides without handwritten notes are allowed

Competition Format:

A team of 2 students will be given a written test in which they identify birds by sight and sound and show off their knowledge of avian anatomy, behavior, and natural history.

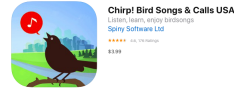
- Students only need to know common names of birds and
- Students only need to visually ID adult, male bird plumage.
- Questions will be in familiar formats (multiple choice, true or false, fill in the blank, put in order, etc...)
- Specimens may include, but are not limited to: birds, nests, wings, feet, eggs, beaks
- Range map comprehension will cover seasons that birds are in Michigan (not general geography)
- For all "1-bird questions": All students will only have birds from the *Common Bird List*, and their grade-specific list.
 - ❖ For example, questions like these will come from the *Common Bird List*, or grade-specific list: "What bird is this?" or "Herring Gulls nest: a) in trees, b) on the ground, c) in tree cavities, d) in mud banks."
 - ❖ For questions with more than 1 bird: 3rd grade questions will draw from the *Common*, 2nd and 3rd grade list, 4th grade questions will draw from the *Common*, 2nd, 3rd, and 4th grade list, and 5th grade questions will draw from the *Common*, 2nd, 3rd, 4th, and 5th grade lists. For example: "Order these birds from largest to smallest: Eastern screech owl, great-horned owl, snowy owl"

Scoring: Highest score wins.

- **Tiebreaker criteria:**
 - 4 questions:
 - 1 call from a bird not on your grade-specific list
 - 1 behavior question from a bird not on your grade-specific list
 - 1 ID question from a bird not on any of the lists. This will test their ability to use their field guides. For example, they will be shown a photo of a bird from a "family/group" that is common, such as a: sparrow, warbler, owl, etc... Students will need to find that section in their field guide, then look for the photo of the bird shown and identify it.
 - 1 estimation question (ex. how many birds are in this photo)

Materials useful for practice:

- Possible WESO workshop
- Bird Bingo
- Recommended field guide: The Sibley Field Guide to Birds of Eastern North America
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- App for calls - Chirp! USA (I'm sure there are others!)
- www.allaboutbirds.org
- Self-guided field trips - these will be posted to WESO website - make sure to sign-up for updates! (i.e. peregrine falcon on campus, Kensington nesting cranes, swans, & herons, woodcock mating field trips, nesting Trumpeter swans in Ann Arbor, great-horned owls nesting, loons on Barton Pond)
- Set-up a bird feeder station with bird seed and suet
- <https://academy.allaboutbirds.org/learning-games/>
- "Birds of the World" database that is offered for free using the Ann Arbor District Library database
- Podcast created by one of the event supervisors (Karinne) "Taking Flight" (<https://anchor.fm/karinne-tennenbaum>) that shares tips on novice birding.
- Learn more about area birds at: www.washtenawaudubon.org
- Find birds in your area with eBird: www.ebird.org
- <https://projectbeak.org>
- Raptor resource page: <https://www.raptorresource.org/2019/06/28/identifying-birds-of-prey-in-flight/>
- Compare and contrast birds (how are woodpeckers/sparrows/birds of prey/similar colored birds/etc... **different**)

Event Questions:

Even coaches should submit any questions about the event to weso.events@gmail.com

Please enter the event title in the subject line. Answers will be posted to the WESO blog. You can sign up to receive blog posts at <https://wesoscience.org>

<u>Common Bird List</u>			
American crow	Canada goose	Kirtland's warbler	Ruby-throated hummingbird
American goldfinch	Downy woodpecker	Mallard	Sandhill crane
American robin	Eastern bluebird	Mourning dove	Turkey vulture
Bald eagle	Great blue heron	Northern cardinal	White-breasted nuthatch
Black-capped chickadee	Great horned owl	Red-tailed hawk	Wild turkey
Blue jay	House sparrow	Red-winged blackbird	
<u>2nd Grade</u>	<u>3rd Grade</u>	<u>4th Grade</u>	<u>5th Grade</u>
Focus - Swans	Baltimore Oriole	American Woodcock	Brown Creeper
Mute Swan	Belted Kingfisher	Barn Swallow	Brown-headed Cowbird
Trumpeter Swan	Common Loon	Chipping Sparrow	Chimney Swift
	Common Yellowthroat	Dark-eyed junco	Eastern wood-peewee
	Killdeer	Eastern Screech-Owl	Evening Grosbeak
	Pileated Woodpecker	European Starling	House Finch
	Ring-billed Gull	Great Egret	Peregrine Falcon
	Rose-breasted Grosbeak	Hairy Woodpecker	Prothonotary Warbler
	Tufted titmouse	Herring Gull	Red-bellied woodpecker
	White-throated Sparrow	Indigo Bunting	Red-breasted Nuthatch
		Northern Mockingbird	Scarlet Tanager
	Focus - Owls	Yellow Warbler	Snowy Owl
	Barn Owl		Song Sparrow
	Barred Owl	Focus - Raptors (non-owl)	
	Eastern Screech-Owl	American Kestrel	Focus - shorebirds/waterfowl
	Saw-whet owl	Cooper's Hawk	Common Goldeneye
	Snowy Owl	Osprey	Common Merganser
	Great Horned Owl	Peregrine Falcon	Double-crested cormorant
		Red-tailed Hawk	Green Heron
		Bald Eagle	Piping Plover
			Spotted Sandpiper



I'm Birding Right Now

Wherever you go... there you bird

2nd Grade Bird Diet Guide

This will be provided during the test

Common Birds	Main Food Sources	<i>2nd Grade</i>	Main Food Sources
American crow	Omnivore	Focus - Swans	
American goldfinch	Seeds	Mute Swan	Plants
American robin	Insects	Trumpeter Swan	Plants
Bald Eagle	Fish		
Black-capped chickadee	Insects		
Blue jay	Omnivore		
Canada goose	Seeds		
Downy woodpecker	Insects		
Easten bluebird	Insects		
Great blue heron	Fish		
Great horned owl	Mammals		
House sparrow	Omnivore		
Kirtland's warbler	Insects		
Mallard	Omnivore		
Mourning dove	Seeds		
Northern cardinal	Seeds		
Red-tailed hawk	Small animals		
Red-winged blackbird	Insects		
Ruby-throated hummingbird	Nectar		
Sandhill crane	Omnivore		
Turkey vulture	Carrion		
White-breasted nuthatch	Insects		
Wild turkey	Omnivore		



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3rd Grade Bird Diet Guide

This will be provided during the test

Common Birds	Main Food Sources	<i>3rd Grade</i>	Main Food Sources
American crow	Omnivore	Baltimore Oriole	Insects
American goldfinch	Seeds	Belted Kingfisher	Fish
American robin	Insects	Common Loon	Fish
Bald Eagle	Fish	Common Yellowthroat	Insects
Black-capped chickadee	Insects	Killdeer	Insects
Blue jay	Omnivore	Pileated Woodpecker	Insects
Canada goose	Seeds	Ring-billed Gull	Omnivore
Downy woodpecker	Insects	Rose-breasted Grosbeak	Seeds
Easten bluebird	Insects	Tufted titmouse	Insects
Great blue heron	Fish	White-throated Sparrow	Seeds
Great horned owl	Mammals		
House sparrow	Omnivore	Focus - Owls	
Kirtland's warbler	Insects	Barn owl	Mammals
Mallard	Omnivore	Barred owl	Mammals
Mourning dove	Seeds	Eastern Screech-owl	Small Animals
Northern cardinal	Seeds	Northern saw-whet owl	Mammals
Red-tailed hawk	Small animals	Snowy owl	Mammals
Red-winged blackbird	Insects	Great horned owl	Mammals
Ruby-throated hummingbird	Nectar		
Sandhill crane	Omnivore		
Turkey vulture	Carrion		
White-breasted nuthatch	Insects		
Wild turkey	Omnivore		



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4th Grade Bird Diet Guide

This will be provided during the test

Common Birds	Main Food Sources	<i>4th Grade</i>	Main Food Sources
American crow	Omnivore	American woodcock	Insects
American goldfinch	Seeds	Barn swallow	Insects
American robin	Insects	Chipping sparrow	Seeds
Bald Eagle	Fish	Dark-eyed junco	Seeds
Black-capped chickadee	Insects	Eastern screech-owl	Small animals
Blue jay	Omnivore	European starling	Insects
Canada goose	Seeds	Great egret	Fish
Downy woodpecker	Insects	Hairy woodpecker	Insects
Easten bluebird	Insects	Herring gull	Omnivore
Great blue heron	Fish	Indigo bunting	Insects
Great horned owl	Mammals	Northern mockingbird	Omnivore
House sparrow	Omnivore	Yellow warbler	Insects
Kirtland's warbler	Insects		
Mallard	Omnivore	Focus - Raptors (non-owl)	
Mourning dove	Seeds	American Kestrel	Small animals
Northern cardinal	Seeds	Cooper's Hawk	Birds
Red-tailed hawk	Small animals	Osprey	Fish
Red-winged blackbird	Insects	Peregrine Falcon	Birds
Ruby-throated hummingbird	Nectar	Red-tailed Hawk	Small animals
Sandhill crane	Omnivore	Bald Eagle	Fish
Turkey vulture	Carrion		
White-breasted nuthatch	Insects		
Wild turkey	Omnivore		



I'm Birding Right Now

Wherever you go... there you bird

5th Grade Bird Diet Guide

This will be provided during the test

Common Birds	Main Food Sources	<i>5th Grade</i>	Main Food Sources
American crow	Omnivore	Brown Creeper	Insects
American goldfinch	Seeds	Brown-headed Cowbird	Seeds
American robin	Insects	Chimney Swift	Insects
Bald Eagle	Fish	Eastern wood-peewee	Insects
Black-capped chickadee	Insects	Evening Grosbeak	Seeds
Blue jay	Omnivore	House Finch	Seeds
Canada goose	Seeds	Peregrine Falcon	Birds
Downy woodpecker	Insects	Prothonotary Warbler	Insects
Easten bluebird	Insects	Red-bellied Woodpecker	Insects
Great blue heron	Fish	Red-breasted Nuthatch	Insects
Great horned owl	Mammals	Scarlet Tanager	Insects
House sparrow	Omnivore	Snowy Owl	Mammals
Kirtland's warbler	Insects	Song Sparrow	Insects
Mallard	Omnivore		
Mourning dove	Seeds	Focus - shorebirds/waterfowl	
Northern cardinal	Seeds	Common Goldeneye	Aquatic invertebrates
Red-tailed hawk	Small animals	Common Merganser	Fish
Red-winged blackbird	Insects	Double-crested cormorant	Fish
Ruby-throated hummingbird	Nectar	Green Heron	Fish
Sandhill crane	Omnivore	Piping Plover	Aquatic invertebrates
Turkey vulture	Carrion	Spotted Sandpiper	Small animals
White-breasted nuthatch	Insects		
Wild turkey	Omnivore		

