

Colorado Academic Standards

Fourth grade:

- Organisms have both external structures that serve various functions (Science).
- Use art materials, techniques, and processes to express ideas; use materials, techniques, and processes in unique ways (Visual Arts).
- Use maps to ask and answer questions about the geography of Colorado and to understand interactions between humans and their environment (Social Studies).

Fifth grade:

- Plan works of art and design where intended meaning is communicated to viewers (Art).
- Matter cycles between air and soil and among plants, animals and microbes as these organisms live and die (*Life Science*).
- Communication in Languages other than English (World Languages).

Rocky Mountain Arsenal National Wildlife Refuge

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Find us on Facebook!

<https://www.facebook.com/RMANationalWildlifeRefuge/>

U.S. Fish and Wildlife Service

<http://www.fws.gov>

1.800.344.WILD

September 2020



Rocky Mountain Arsenal National Wildlife Refuge

Fourth and Fifth Grade

Lake Ladora Trail Hike



Distance: 1.01 miles

Group Members

1.

2.

3.

4.

Lake Ladora Guide

Primarily wetlands and prairie with some woodlands and transitional areas.

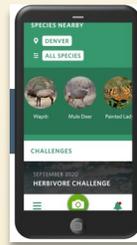
- P** Parking—Northwest side of the lake.
- Restrooms**—Outdoor vault toilets at North and South end of the trail.
- Start:** Walk South over the dam. (Pg. 1)
- Dam:** Weather (Pg. 2)
- Nature Trail:** Try Birding Entire hike (Pg. 3, 4)
- Shoreline:** Fishing Frenzy, Aqua Safari (Pg. 5, 6)
- Along the Trail:** Sounds, Wildlife (Pg. 7, 8)



NATURE TECH

Please visit us again and live your wild with the help of these online tools and Apps!

Follow us on [Facebook](#) and contribute to our [Flickr](#) photo album.



Become a citizen scientist using [iNaturalist](#) and the [Seek App](#) to help us identify the wildlife and plants at [Rocky Mountain Arsenal](#), [Two Ponds](#) and [Rocky Flats National Wildlife Refuge](#).

Check out our [Refuge Activities](#) Page for things you can do at home, at school, and with your family.



This guide was produced in partnership by the Colorado Front Range NWR Complex Education Team and American Conservation Experience (ACE).



Nature Appreciation



Plants

What plants do you see?

Draw a picture of a plant that looks interesting to you and name it if you can.

Nature Appreciation

Weather

Weather can change quickly.

Describe the weather before your hike and at the end.

Is it warm or cool? Cloudy or sunny? Windy or calm?

	Warm or Cool	Cloudy or Sunny	Windy or Calm
Start Hike			
End Hike			

What is your favorite weather? How does the weather affect what plants and animals you may see?



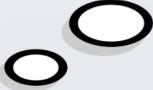
TRY BIRDING!

Whether they call the Refuge home or are just travelling through, many birds can be found at Lake Ladora!

I wonder which birds are here during different seasons



Sleuth it out!
Keep a tally of the birds you see in different seasons.



	Spring (Mar-May)	Summer (Jun-Aug)	Fall (Sep-Nov)	Winter (Dec-Feb)
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Red-winged blackbird

Black-billed magpie

Red-tailed hawk

Great blue heron

Double crested cormorant

Canada Goose



Nature Appreciation



Animals

What animals do you see?

Describe one and what it is doing. Draw a picture of your observations.

Nature Appreciation

Sounds

Find a spot to stand or sit quietly for five minutes.
Try to draw or describe the sounds you hear where they are coming from around you.



Leaves blowing



FIELD GUIDE TO COMMON BIRDS





Fishing Frenzy



Cast (Draw) a line to catch the animals that live in the lake.
Practice saying them out loud in Spanish with a friend!

Mosquito

Mosquito

Heron

Garza

Dragonfly

Libélula

Crayfish

Pez

Fish

Cangrejo de rio



Aqua Safari



A habitat is a home for wildlife. Living and nonliving parts of a habitat are connected. Cast your line to connect these parts

Water

Rocas

Cattails

Espadañas

Rocks

Agua

Food Chains Who eats what?
Use the Spanish that you practiced to fill in the food chain to keep the chains linked.

[Blank box] → [Blank box] → Mosquito

[Blank box] → Cangrejo de rio → [Blank box]