

Dig into Scouting

Science Fun and exploration.

April 26, 2025

8-8:45 Check-in

8:45 Flags

9am-2:30 pm activities

(longer if you want to Explore more)

@ Fossil and Prairie Center

1227 215th St. Rockford IA



Dig for actual fossils, make a layer sweet treat, games, see basic forensics: look for clues, go for a hike.

Cost: \$15 / Scout

What to bring: a Sack Lunch (11am)
and a snack, water bottle, health form

for all attending, 6 essentials, sturdy walking shoes.

Dress for the weather.

Extra shoes and socks, a change of clothes *(it can be muddy at the bottom)*



Explore the fossil park and work on these adventures:

Cub scouts:

Mountain lion

Tigers in the wild

Wolf: paws on the path, digging into the past, finding your way, let's camp

Bear: habitat, forensics, super science

Webeles: walkabout, champions of nature, earth rocks, math on the trail

Arrow of Light: outdoor adventure, estimations

Scouting America:

Orienteering, fingerprinting, geology, environmental science,
nature, soil and water conservation



Hosted by Lakeland district of Winnebago Council

Questions cub scouts Christine Schmitt candcschmitt@gmail.com 641-220-5361

For scouting america : Zach Brunkhorst Zachary.Brunckhorst@scouting.org 641-430-4210

time	Group 1	Group 2	Scouting america activities
8-8:45	check-in	check-in	
8:45am	flags	flags	
9am- 9:30 am	Prairie center tour	Prairie shelter	
9:30-10am	Prairie shelter	Prairie center tour	
10-10:30	Prairie shelter	Prairie shelter	
10:30-11:30	hike	hike	
11:30-noon	Lunch @ kiln site	Lunch @ kiln site	
noon-1	Kiln site shelter	Kiln site shelter	
1-2	Fossil hunt	Fossil hunt	
2-2:30	Closing/ share finds	Closing/ share finds	

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Dig for actual fossils, make a layer sweet treat, games, see basic forensics: look for clues, go for a hike. Leave the day with wolves earning digging in the Past and bears forensics. Hikes for everyone.

Kiln site activities

- . Salt sugar baking soda, cornstarch. Compare stations.
- Pudding layer cup, Tortilla layer sandwich station
- Fingerprinting station
- . Footprints station

prairie center/or top shelter

- dino matching game. And devonian fossil matching display/ self activity
- How and who collects evidence poster
- .What is forensics poster
- Chromatography display
- 3 Types of rocks display
- Create an imaginary dino with clay, crayons, recycled items station

SA:: fingerprinting

Pit toilets top and kiln site

Flush toilets by top shelter

Lion

Mountain Lion (outdoors)	Cub scout 6 essentials	20 minute walk exploring outdoors	S.A.W.	Animals in your area. Wild and domestic
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Go Fish	Learn rule of fishing safely	Draw a picture of a fish	Go fishing with your lion partner
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Tiger

Tigers in the wild (outdoors)	Cub scout 6 essentials	Outdoor code	20 min exploring outside with 6 essentials Natural and manmade items	Domesticated and wild animals where you live	Find a tree. How is it helpful
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Fish On	Where can you go fishing?	Rules of fishing safety	Draw a picture of a fish	Go fishing with tiger partner
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Wolf

Paws on the path <i>outdoors</i>	6 essentials show how to use	Buddy system	What clothes do you wear for your walk?	Learn about outdoor code and leave no trace	30 min walk/ exploring Describe 4 things you see
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Digging in the past	Dino knowlege game	Create an imaginary dino	Dino dig	Fossil layer snack
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Finding your way	Where you live on a map	Draw a map to find your house	Compass rose NSEW	Find directions on a compass	Practice using a map and a compass
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Wolf goes fishing	Type of water Type of fish that live there	Types of bait	Proper cast	Fishing safety	Go fishing with den, pack or family
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Let's camp	Buddy system outdoors	Six essentials	Other personal items needed	Learn a camping skill	Attend an overnight camp
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Bear

Bear Habitat (outdoors) Leave no trace	Prepare 1 mile hike, 6 essentials, clothing and shoes	Know before you go	Choose the right path	Trash your trash	Leave what you find	Be careful with fire	Respect wildlife	Be kind to other visitors ----- ----- 9. Go on Hike
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A bear goes fishing	3 types of local fish	Fishing regulations	List 3 regulations and reason it exists	Safe use of fishing equipment	Proper way attach a hook, lure or fly	Go fishing 30 min
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Forensics	What is forensics	fingerprints	Make a shoe print	Compare: salt, sugar, baking soda, cornstarch	How officers collect evidence
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Super science	Static electricity	Sink or float	Color morphing	Color layering
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Webelos

Webelos Walkabout (outdoors)	Prepare 2 mile hike. 6 essentials, clothing shoes	Plan hike route	Check weather forecast for hike	Review the 4 points of BSA SAFE checklist	Demo 1st aid Blister Sprained ankle Sunburn Dehydration/Heat	Go on 2 mile hike practicing leave no trace and outdoor code	After hike discuss what went well and what you would do different
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Catch the big one	Plan for fishing and type of fish you plan to catch	BSA SAFE checklist for fishing	What is environment where the fish is found	Make a list of equipment/ materials needed	Best type of knot to tie your hook	Choose Fishing rod, and tackle, Inspection ----- ----- 7. 1 hour fishing
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Champions of nature	4 habitat: food water, shelter, space	Threatened or endangered animal	What classify animal threatened	What caused animal to be threatened	What is being don to protect animal	Conservation service project
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			or endangered	or endangered		
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Earth rocks	3 types of rocks Sedimentary Igneous metamorphic	Break a rock	Make a Mineral test kit: Mohs scale of hardness How hardness determines how rock is used	Grow a crystal
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Math on the trail	Walking pace by walking ¼ mile. Estimate how long to walk 2 miles	Walk 2 miles record time	Estimate how long take to walk 20 miles over 2 days. List all factors to consider
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Arrow of light AOL

Outdoor adventure (outdoors)	Scout basic essential s	Overnigh t campout gear and how you will carry it	4 points of BSA SAFE and how to apply camping	Locate camp/ campsite location on map	Campout with patrol or Scouts BSA troop	Help set up camp at campsite	Tell How to keep food safe and kitchen area sanitary	After camping discuss good and bad and what do differentl y
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Estimation s	Estimate food measurem ents	Time of day	Height of a distant object	Distance between 2 points			
Fishing	Fishing plan where and what type of fish you want to catch	BSA SAFE checklist	Where are your fish found	List of equipment you need to fish	Best type of knot for your hook	Choose your own rod and tackle. Have adult review	1 hour fishing

Go digging for fossils hike/activity

fishing