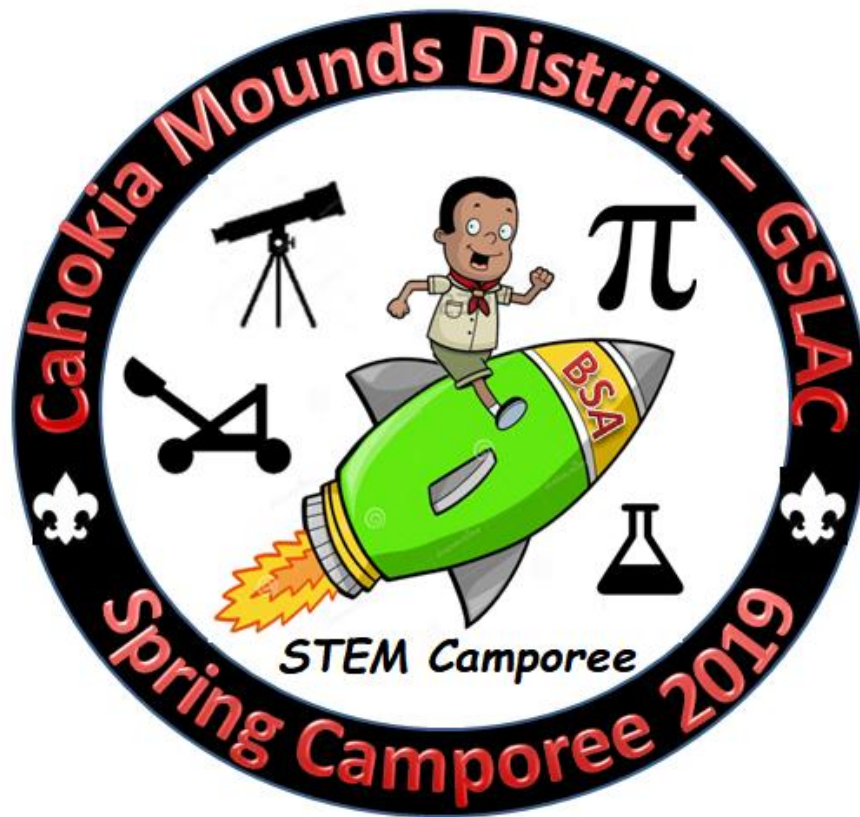


Scouting for Knowledge

Science, Technology, Engineering, Math

Cahokia Mounds District – Spring Camporee
Highland Silver Lake Park
May 3-5, 2019



Open to all Boy Scouts and Second Year Webelos.
Cost is \$12 per person if paid before April 26st - \$15 after April 26st

Looking for Adventure? Then head out on the highway to the Cahokia Mounds District Spring Camporee!

Registration opening soon on the Cahokia Mounds District Webpage :

<https://stlbsa.org/cahokiamounds/>

Event Schedule

Friday, 5/3

5PM - 8PM	Unit check in
8PM	Leader Meeting
11PM	Lights out

Saturday, 5/4

6:00 – 8AM	Reveille / Breakfast
8:00 AM	Senior Patrol Leader meeting at HQ
8:30 AM	Flag Raising
8:45 AM	Activities open
9 AM	Science Lab at the Science Pavilion
11 AM	Science Lab at the Science Pavilion
12:00 Noon	Lunch
1:00 PM	Activities Reopen
1 PM	Science Lab at the Science Pavilion
1 PM	Patrol Egg Drop Survivors by the Science Pavilion
3 PM	Water Rocket Launch
4:00 PM	Activity Areas Closes – Units return to Camp area
4:30 PM	Flag Lowering
5 PM – 6:30 PM	Dinner
7 PM	Pi eating contest at the main Pavilion
7:30 PM	Campfire
8:30 PM	Telescopes/Radio Telescope/ Radio Astronomy Demo

Sunday, 5/5

7:00 AM	Reveille
10:30 AM	Check-Out – Final walk through – All units depart

First year Webelos Scouts are invited to attend the Spring Camporee and are welcome to join us for Flag Raising at 8:45 AM through Flag lowering at 4:30 on Saturday. Please remember to bring your lunch.

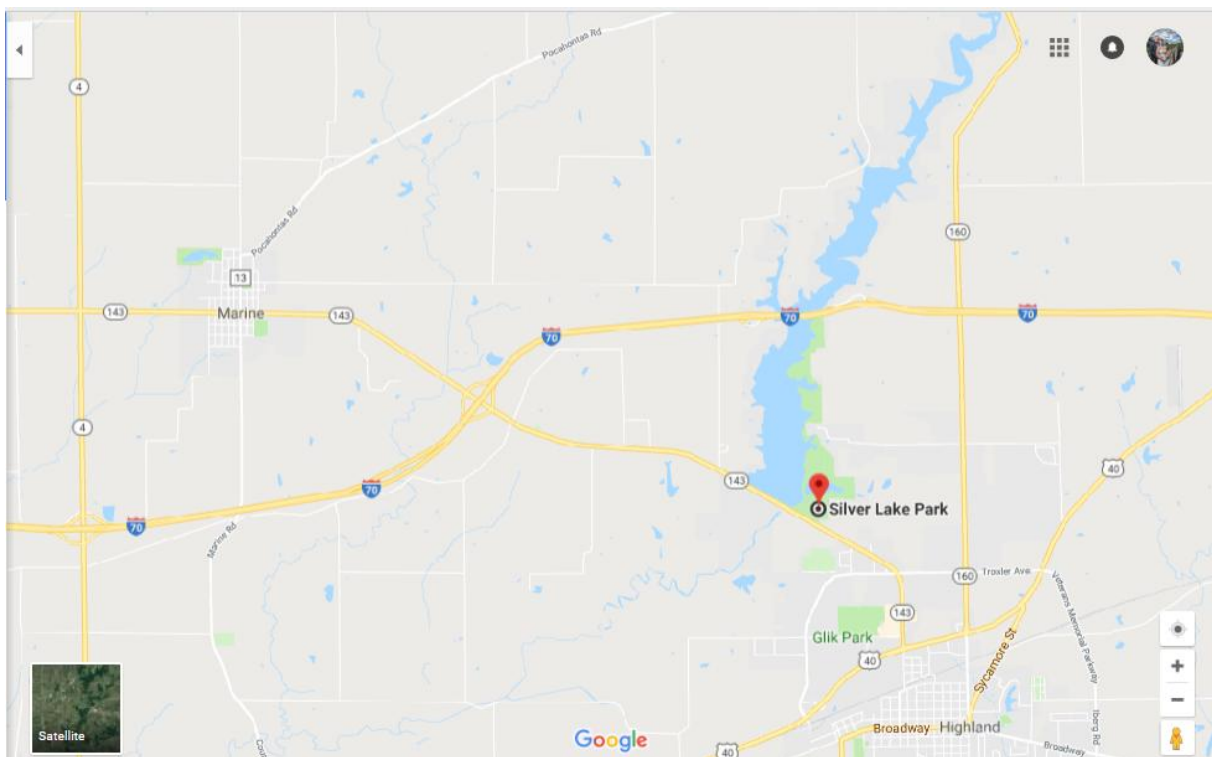
Where to go/How to get there

Silver Lake Park

[Printer-Friendly Version](#)

90 Acres Located at 3035 Highland Park Road

Fishing
5 Pavilions
2 Restrooms
Playground
Sand Volleyball Court
Archery Range
4.5 mile Hiking Trails
Climbing Wall
Boat Ramp
18 Hole Disc Golf
Waterfowl Hunting
Arboretum
Gazebo



Silver Lake Rules and Regulations

- No swimming, wading, or water skiing is permitted
- Boaters, hunters, and anglers are responsible for abiding by all state, federal, and city ordinances related to fish, game, and boating.
- Fishing is not permitted on or along either side of the Spillway along Route 143. This area owned and operated by the city is restricted and signs are posted.
- Parking is not permitted along the spillway or in the emergency parking area along the northeast side of the spillway.
- Troops may bring firewood (NO ASH TO PREVENT SPREAD OF EMERALD ASH BORER)
- No ground fires – all fires must be in fire pits!
- Vehicles and trailers remain on the roadway or parking lots at all times and not parked or driven in the grass due to the wet winter/spring that we have had.

Site Map



Food Science

Solar Cooking



Ever get a sunburn? Well, it's time to turn what you've learned into cooking - with a solar hot dog cooker. Below are a few plans to build your own solar hot dog cooker.

<https://www.education.com/science-fair/article/solar-hot-dog-cooker/>

<https://www.howcast.com/videos/425764-how-to-make-a-solar-hot-dog-cooker>

<https://makezine.com/2014/06/08/how-to-solar-hot-dog-cooker-from-a-pringles-can/>

Each patrol should build their own version of cooker and weather permitting; roast a hot dog. Those patrols able to cook a dog on their solar cooker get extra points on their Commissioner's award.

"Pi" Eating Contest

Pi is the ratio of the circumference of a circle to its diameter which is approximately 3.14159. Strangely enough, it also describes pie, one of everyone's favorite desserts.

After dinner at the main pavilion, each patrol can send their biggest pie fan to represent them in the eating event of the year (well, at least the Spring Camporee).

Earth Sciences



Electricity and Solar Energy



So you like to play video games, watch You-tube videos, surf the WEB, and drink ice cold Red Bull? But what powers it? Electricity. And how does electricity get to your devices? The folks from Ameren will be on hand to show you. From power generation and transmission to solar power, electricity is what makes our lifestyles possible. Come see how.

Science Experiments



Ever wonder what scientists do? Well here's your chance to not only see what they do but try it out yourself. Get hands on with experiments and learn about earth science, identifying unknown compounds or how to make a "kitchen comet".

Council STEM Trailer

Created by Scouts for Scouts, the Council STEM trailer has all kinds of experiments that you can do hands on. From creating a simple electrical circuit to a robot, check out the STEM trailer!



Astronomy and Telescopes

Members of the Riverbend Astronomy club will be bringing a variety of telescopes so you can see the stars, planets and other "heavenly" objects.

They will also be presenting things like "the Kitchen Comet" and other far out science!

Ham Radio

What do scouts in other parts of the country do? What do Scouts in other parts of the World do? Now is your chance to find out. At the main pavilion we'll have a Ham Radio set up so you can learn about people around the world by talking with them. Come on by; learn about ham radio, and talk to people around the planet.

Engineering

Egg Drop Survivor

Is your patrol the Kings of Crash or the Masters of Disaster? If so, this is your chance to show off your engineering skills. Each patrol should bring recyclable materials they'll use to construct an "egg capsule" to protect their egg on a journey of about 30 ft...straight down.

Those who survive will be recognized at the Campfire. Those that don't....will be breakfast on Sunday.

Water Rocket Launch

Calling all Rocket Scientists! Maybe you won't be launching to the Moon or Mars but you will have a chance to prove you can reach for the stars. Patrols build a water rocket and we'll provide the launcher.

For some ideas, check out the following links:

<https://www.k12irc.org/resources/astronomy/build.php>

<https://www.youtube.com/watch?v=G9N4A0QL2uU>

<https://www.youtube.com/watch?v=p5mC0J5Yu-k>

<https://www.youtube.com/watch?v=d5vpVgOUcd8>

<http://www.uswaterrockets.com/>



Are you able to work out puzzles? Observant? Can put two and two together and come up with Professor Mustard with a pipe in the Dining room? Then the escape room is for you and your patrol.

Bring your thinking caps and solve the riddles....before time runs out!

Bio Sciences

Fishing!



If you're camping by a lake, how can you not fish? Bring your poles, your tackle box, and your favorite bait

Note: Per the Highland Lake Park Rules, fisherman must follow city, state, and federal regulations so Adults – make sure your fishing license is up to date!

Plant Identification

Feel up to a little hike with the chance to knock off advancement requirements? Then plant identification is for you. The City of Highland Arboretum is next to the volleyball court and contains many species of trees. Hike the trail, identify the trees, and present the list to your Scout leader to complete your First Class advancement requirement 5A.

Volleyball Tournament

What's more biological than you and your fellow scouts. Here is a chance to show off how well you've been following the MyPlate guidelines and the Scout Oath, to keep yourself physically strong.

Patrol leaders can sign up their patrols for the tournament to challenge other patrols.

Obstacle Course

Think your Patrol is the best of the best? Then take on the Challenge Course. This will test your skills from scout skills to teamwork. Can you work together to conquer the seemingly impossible....



Archery

There's a great archery range at the park and this is your chance to be Robin Hood. Shoot for fun or shoot the best score and bring home the Golden Arrow!



Frisbee Golf

Hey all you pro-Disc players! (or even us less skilled Frisbee players) Play a round or two of Frisbee Golf on the Highland Lake “Pro-Am” Disc Golf Course.

And if you take your compass with you and mark the compass points as you play the fields – you just might complete Second Class requirement 3B



Other Events

Commissioner's Award –

Commissioners will be checking out units on Saturday to make sure units are following the Outdoor Code, Scout Law, and Scout Oath. As guests of the City of Highland, is your unit camping with the highest ideals of Scouting? We'll find out at the campfire.

The Outdoor Code -

As an American, I will do my best to –
Be clean in my outdoor manners.
Be careful with fire.
Be considerate in the outdoors.
Be conservation minded.

The Leave No Trace Seven Principles

- Plan Ahead and Prepare
- Travel and Camp on Durable Surfaces
- Dispose of Waste Properly
- Leave What You Find
- Minimize Campfire Impacts
- Respect Wildlife
- Be Considerate of Other Visitors

Firem'n Chit

1. This certification grants a Scout the right to carry fire-lighting devices (matches, lighters, etc.) and build campfires. The Scout must show his Scout leader, or someone designated by his leader, that he understands his responsibility to do the following:
2. I have read and understand use and safety rules from the *Boy Scout Handbook*.
3. I will build a campfire only when necessary and when I have the necessary permits (regulations vary by locality).
4. I will minimize campfire impacts or use existing fire lays consistent with the principles of Leave No Trace. I will check to see that all flammable material is cleared at least 5 feet in all directions from fire (total 10 feet).
5. I will safely use and store fire-starting materials.
6. I will see that fire is attended to at all times.
7. I will make sure that water and/or shovel is readily available. I will promptly report any wildfire to the proper authorities.
8. I will use the cold-out test to make sure the fire is cold out and will make sure the fire lay is cleaned before I leave it.
9. I follow the Outdoor Code, the *Guide to Safe Scouting*, and the principles of Leave No Trace

And who knows what other adventures will turn up at Highland Lake? Only those who go will find out so pack your gear and get ready for adventure at the Cahokia Mounds District Spring Camporee 2019!