

# LOST RIVER CAVE

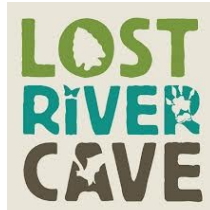


BOY SCOUT

PROGRAM GUIDE  
2016



# ENVIRONMENTAL SCIENCE



**Rank:** Boy

**Duration:** 3.5 hours

**This program can be applied to the fulfillment of:**

- Boy Scout Merit Badge
- Boy Scout World Conservation Award

## SUMMARY

Scouts explore Environmental Science by learning its history, conducting experiments, and identifying impacts.

### Availability:

This program is available during all year long. It can be booked for any day of the week, from 9-10:30AM, 1-2:30PM, or 6-7:30PM.

Weekdays during the school year may have availability between 2:30-6pm. A significant part of this program is done outdoors on the trails, therefore the time of Sunset should be considered when booking evening classes.

### Requirements Met:

This program meets all requirements for the fulfillment of this activity. At the end of the program Scouts will have experienced:

- Environmental Science history
- Important terminology
- Water pollution
- Environmental Impact Statements
- Careers in the field





# SOIL & WATER CONSERVATION



**Rank:** Boy

**This program can be applied to the fulfillment of:**

- Boy Scout Merit Badge
- Boy Scout World Conservation Award

**Duration:** 3 hours

## **Availability:**

This program is available any time of the year. It can be booked for any day of the week, from 9-10:30AM, 1-2:30PM, or 6-7:30PM. Weekdays during the school year may have availability between 2:30-6pm. A significant part of this program is done outdoors on the trails, therefore the time of sunset should be considered when booking evening classes.

## SUMMARY

Scouts learn the importance of soil and water in the environment and about the best management practices to protect them.

### **Requirements Met:**

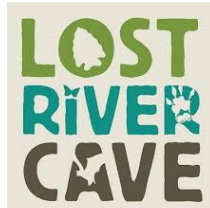
This program meets all requirements for the fulfillment of this activity. At the end of the program Scouts will have experienced:

- Soil nutrients
- Soil erosion and conservation
- Local watersheds
- The role of water
- Water pollution
- Best management practices





# PLANT SCIENCE



**Rank:** Boy

**This program can be applied to the fulfillment of:**

- Boy Scout Merit Badge

**Duration:** 3.5 hours

## Service Learning Project:

Pair this program with a Service Learning Project to make a more complete experience. An invasive plant pull can help the park get rid of exotic plants that take the space and nutrients from native species.

## Availability:

This program is available during the late spring and summer seasons. It can be booked for any day of the week, from 9-10:30AM, 1-2:30PM, or 6-7:30PM. Weekdays during the school year may have availability between 2:30-6pm. A significant part of this program is done outdoors on the trails, therefore the time of sunset should be considered when booking evening classes.

## SUMMARY

Scouts join Lost River Cave Staff to complete the field methods portion of this program.

### Requirements Met:

This program meets all the hands-on field methods activities to complete Option 3 of Requirement 8, namely sections A, B and F2. At the end of the program Scouts will have experienced:

- Species inventories
- Organism classification
- Transect studies

An informational packet containing the information leaders may use to present the remaining program prior to attending the field methods activities is available upon request.



# INSECT STUDY



**Rank:** Boy

**This program can be applied to the fulfillment of:**

- Boy Scout Merit Badge

**Duration:** 3-4 hours

**Availability:**

This program is available during the late spring and summer seasons. It can be booked for any day of the week, from 9-10:30AM, 1-2:30PM, or 6-7:30PM. Weekdays during the school year may have availability between 2:30-6pm. A significant part of this program is done outdoors on the trails, therefore the time of sunset should be considered when booking evening classes. Rain may also hinder the presence of insects.

## SUMMARY

Scouts observe insects in the wild, learn of their lifecycles, and how they differ from other invertebrates.

**Requirements Met:**

This program meets all requirements for the fulfillment of this activity. At the end of the program Scouts will have experienced:

- Insect exposure safety
- How insects differ from mammals
- Parts of an insect
- Insect observation
- Insect life cycles and life styles
- Symbiotic relationships with insects
- Careers with insects





# BIRD STUDY

LOST  
RIVER  
CAVE



**Rank:** Boy

**This program can be applied to the fulfillment of:**

- Boy Scout Merit Badge

**Duration:** 3 hours

## Service Learning Project:

Pair this program with a Service Learning Project to make a more complete experience. Have your troop make repairs to bird feeders, nesting boxes, and the bird blind as needed.

## SUMMARY

Scouts learn the importance of birds while bird watching and identifying local species.

### Availability:

This program is available during the late spring, summer and early fall seasons. This program needs to begin no later than 7am. Rain may hinder the presence of birds.

### Requirements Met:

This program meets all, but one, requirements for the fulfillment of this badge. At the end of the program Scouts will have experienced:

- Birds in the ecosystem
- Bird terminology
- Bird ID guides
- Bird watching
- Bird songs

To complete this activity after the Guided Program, Scouts will need to complete Requirement 8 of constructing a feeder, bath, or habitat.



# MERIT BADGE PROGRAMS AND OUTINGS

## FEE SCHEDULE



### Programs

Environmental Science	\$25.00 per scout
Soil & Water Conservation	\$25.00 per scout
Plant Science	\$25.00 per scout
Insect Study	\$25.00 per scout
Bird Study	\$25.00 per scout

### CAVE TOURS

Cave Boat Tour	\$5.00 per Scout
Discovery Cave Crawl	\$30.00 per Scout
Kayak the Cave	\$30.00 per Scout

### EXTRAS

Small Gemstone Sluice bag	\$3.50
Large Gemstone Sluice bag	\$5.50
Fossil Sluice bag	\$8.50
BIG Gemstone and Fossil Sluice bag	\$16.50
Bucket Gemstone and Fossil bag	\$19.50



The use of the trails, picnic areas, and the Nature Explore Classroom are ALWAYS FREE!

## CONTACT INFORMATION



To inquire about or schedule a  
Scout Program please contact :

Chad Singer or Annie Holt  
at 270-393-0077

or

[Chadwick@lostrivercave.org](mailto:Chadwick@lostrivercave.org)

[Annie@lostrivercave.org](mailto:Annie@lostrivercave.org)

