



Scouts BSA Summer Camp 2021

Class Catalog

Event Contacts

Name	Title	Phone	Email
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LRSC26 Advanced/Adult Blacksmithing

Youth Must have Metalwork MB (with a preference towards the Blacksmithing option of the metalwork badge) to take this course. This course is also available for Adults to participate in.
The additional fee covers the cost of materials used during the program.

9-11:30 AM **Days:** Mo Tu **Room:** Sinquefield Metalworking Building **Instructor:** Dennis Kerns
Additional Fee: \$20.00
Minimum Age: 14
Maximum number of participants: 8
Sessions: All

9-11:30 AM **Days:** We Th **Room:** Sinquefield Metalworking Building **Instructor:** Dennis Kerns
Additional Fee: \$20.00
Minimum Age: 14
Maximum number of participants: 8
Sessions: All

LRSC41 American Heritage/Genealogy

American Heritage - Every Scout swears to an oath that includes a duty to their country. A better understanding of American heritage, the ways in which the past has lead to our present nation, is key to truly knowing what it means to be an American.

Genealogy - Exploring your roots - where your family name came from, why your family lives where it does, what your parents and grandparents did for fun when they were your age - can be fascinating. Discovering your ancestors back through history is what genealogy is all about.

1:30-4 PM **Days:** We Th **Room:** Show & Do Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: American Heritage #3c; Genealogy #3; Genealogy #6



LRSC29 Animation

Computer or traditional animation tasks that will test a Scout's creativity, artistic skills, and storytelling abilities.

1:30-4 PM **Days:** Mo Tu **Room:** Show & Do Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC1 Archery

Archery is a fun way for Scouts to exercise minds as well as bodies, developing a steady hand, a good eye, and a disciplined mind. This merit badge can provide a thorough introduction to those who are new to the bow and arrow - but even for the experienced archer, earning the badge can help to increase the understanding and appreciation of archery.

9-11:30 AM **Days:** Mo Tu **Room:** Archery Range **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All

9-11:30 AM **Days:** We Th **Room:** Archery Range **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All

1:30-4 PM **Days:** Mo Tu **Room:** Archery Range **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All

1:30-4 PM **Days:** We Th **Room:** Archery Range **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All

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LRSC48 Astronomy/Space Exploration

In learning about astronomy, Scouts study how activities in space affect our own planet and bear witness to the wonders of the night sky: the nebulae, or giant clouds of gas and dust where new stars are born; old stars dying and exploding; meteor showers and shooting stars; the moon, planets, and a dazzling array of stars.

Space is mysterious. We explore space for many reasons, not least because we don't know what is out there, it is vast, and humans are full of curiosity. Each time we send explorers into space, we learn something we didn't know before. We discover a little more of what is there.

1:30-4 PM **Days:** We Th **Room:** Sinquefield Program Building **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: #4a; #4b; #4c; #4d; #5b; #5d; #6b; #7c; #8a; #8b; #8c; #8d; #8e



LRSC85 Automotive Maintenance

Modern automobiles are important to many aspects of American life. Those who service automobiles must understand each principle, and how these principles interact to provide smooth, efficient performance. Owners of cars also benefit by understanding how their vehicles operate. This enables them to understand why certain periodic maintenance is required to keep their vehicles in tip-top shape.

9-11:30 AM **Days:** We Th **Room:** Sinquefield Program Building **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
1:30-4 PM **Days:** Mo Tu **Room:** Sinquefield Program Building **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All



LRSC59 Backpacking

Earning the Backpacking merit badge will be demanding but rewarding. Scouts will learn what equipment to carry on their backs and what knowledge to have in their heads. In addition, Scouts will discover how to protect the environment by traveling and camping without leaving a trace. By mastering the basics of backpacking, Scouts will develop an even deeper respect for the outdoors.

9-11:30 AM **Days:** We Th **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: #10; #11a; #11b; #11c



LRSC42 Basketry/Leatherwork

Basketry is a handy skill for a Scout. A basket can be a sturdy companion on campouts, carrying clothes snugly and efficiently, holding potatoes and corn for roasting over a campfire, or carrying the day's fishing catch back to camp for dinner. Baskets and basket-weaving projects also make great gifts for family and friends.

Scouts who complete the requirements to earn the Leatherwork merit badge will explore leather's history and its endless uses. They will learn to make a useful leather item using the same types of raw materials that our ancestors used; be challenged to master skills like hand-stitching, lacing, and braiding.; and learn how to preserve and protect leather items so they will last a lifetime and beyond.

1:30-4 PM **Days:** We Th **Room:** Show & Do Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC27 Bird Study

Birds are among the most fascinating creatures on Earth. Many are beautifully colored. Others are accomplished singers. Many of the most important discoveries about birds and how they live have been made by amateur birders. In pursuing this hobby, a Scout might someday make a valuable contribution to our understanding of the natural world.

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1:30-4 PM **Days:** Mo Tu **Room:** Fingland Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All

LRSC72 Brownsea

1st Year Camper program with an emphasis on the first 3 ranks in Scouting as well as basic Scouting and camping skills. This is a morning program only.
If you have Scouts participating in this program, we ask that one leader from your troop attend each day with your Scouts.

9-11:30 AM **Days:** Mo Tu We Th **Room:** Show & Do Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC50 BSA Lifeguard

To be trained as a BSA Lifeguard, you must successfully complete the course as outlined in the BSA Lifeguard Instructor Manual and demonstrate the ability to perform each item specified in the following requirements:

9-4 PM **Days:** Mo Tu We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Minimum Age: 15
Maximum number of participants: 6
Sessions: All
Prerequisites: 6.



LRSC58 BSA Stand Up Paddleboarding

Stand Up Paddleboarding down at the lakefront is an exciting and fun way to spend your Friday morning!

9-11:30 AM **Days:** Fr **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum number of participants: 10
Sessions: All

LRSC74 C.O.P.E.

C.O.P.E. (Challenging Outdoor Personal Experience) starts with initiative games, and continues with low and high course activities. Some activities involve a group challenge, while others test individual skills and agility. Participants climb, swing, balance, jump, rappel, and think of solutions to a variety of situations. Most do much more than they ever thought possible.

C.O.P.E. is an exciting outdoor activity that can be used to attract and hold members in a group. It offers a set of stimulating activities designed to meet the needs of the people who are seeking greater challenges to their physical and mental abilities. Group activities are ideal for emphasizing teamwork and leadership skills. Individual activities promote personal growth.

1:30-4 PM **Days:** Mo Tu We Th **Room:** Climbing Tower **Instructor:** Dennis Kerns
Minimum Age: 14
Maximum number of participants: 12
Sessions: All
Prerequisites: MUST be age 14 or older by January 1, 2021

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LRSC16 Camping

Camping is one of the best-known methods of the Scouting movement. When he founded the Scouting movement in the early 1900s, Robert Baden-Powell encouraged every Scout to learn the art of living out-of-doors. He believed a young person able to take care of themselves while camping would have the confidence to meet life's other challenges, too.

This badge is required for Eagle

9-11:30 AM **Days:** Mo Tu **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20

Sessions: All
9-11:30 AM **Days:** We Th **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All

1:30-4 PM **Days:** Mo Tu **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: #4a; #4b; #5e; #7a; #7b; #8c; #8d; #9a; #9b[1]; #9b[2]; #9b[3]; #9b[4]; #9b[5]; #9c; #10



LRSC2 Canoeing

For several centuries, the canoe was a primary method of travel for explorers and settlers. Today, it remains an important part of the wilderness experience and an enjoyable leisure activity that teaches communication, teamwork, and physical fitness.

9-11:30 AM **Days:** Mo Tu **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All

9-11:30 AM **Days:** We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC18 Chess

Chess builds critical thinking, forward thinking, and proper sportsmanship in young people.

9-11:30 AM **Days:** We Th **Room:** Sinquefield Invention Lab **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All



LRSC19 Citizenship in the Nation

As Scouts fulfill the requirements for this merit badge, they will learn how to become active citizens who are aware of and grateful for their liberties and rights, to participate in their governments and protect their freedom, helping to defend their country and standing up for individual rights on behalf of all its citizens.

This badge is required for Eagle

1:30-4 PM **Days:** Mo Tu **Room:** Sinquefield Invention Lab **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: Cyber Chip Required

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LRSC3 Climbing

Climbing is not a sport that requires tremendous muscular strength; it demands mental toughness and the willingness to practice hard to master a set of skills. The adventure of climbing can also provide a new way to enjoy the outdoors.

9-11:30 AM **Days:** Mo Tu **Room:** Climbing Tower **Instructor:** Dennis Kerns

Minimum Age: 13

Maximum Age: 17

Maximum number of participants: 20

Sessions: All

9-11:30 AM **Days:** We Th **Room:** Climbing Tower **Instructor:** Dennis Kerns

Minimum Age: 13

Maximum Age: 17

Maximum number of participants: 20

Sessions: All

LRSC37 Composite Materials/Pulp and Paper/Textile

Composite Materials - Composites can be found just about everywhere: in airplanes and sports cars, golf clubs and guitars, boats and baseball bats, bathtubs and circuit boards, and even bridges. Composites make bicycles and skis lighter, kayaks and canoes stronger, houses warmer, and helmets tougher.

Pulp and Paper - Here's an astonishing number to digest. Each person in the United States uses about 700 pounds of paper each year. Paper is everywhere in our lives. Every year in the United States, more than 2 billion individual books, 24 billion newspapers, and 350 million magazines are published on paper.

Textile - People use countless fibers and fabrics in their everyday lives: clothes, carpets, curtains, towels, sheets, upholstered furniture. Add to that list boat sails, book bindings, bandages, flags, sleeping bags, mailbags, airbags, seat belts, backpacks, parachutes, umbrellas, basketball nets, and more.

1:30-4 PM **Days:** Mo Tu **Room:** Show & Do Shelter **Instructor:** Dennis Kerns

Maximum Age: 17

Maximum number of participants: 20

Sessions: All

LRSC80 CPR/AED Training

9-11:30 AM **Days:** Fr **Instructor:** Dennis Kerns

Additional Fee: \$35.00

Minimum Age: 15

Maximum number of participants: 10

Sessions: All



LRSC6 Digital Technology

Technology has come a long way since Computers merit badge was first introduced in 1967. This badge will teach Scouts about technology in the digital age.

9-11:30 AM **Days:** Mo Tu **Room:** Sinquefield Invention Lab **Instructor:** Dennis Kerns

Maximum Age: 17

Maximum number of participants: 12

Sessions: All

Prerequisites: Cyber Chip Required

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LRSC43 Drafting

Drafting is a highly refined form of drawing used to communicate ideas to engineers, architects, and craftspeople. In earning this badge, Scouts learn the importance of accuracy and simplicity in developing a drawing that shows precise details in a simple format

9-11:30 AM **Days:** Mo Tu **Room:** Sinuefield Invention Lab **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: Cyber Chip Required



LRSC86 Electricity

Electricity is a powerful and fascinating force of nature. As early as 600 b.c., observers of the physical world suspected that electricity existed but did not have a name for it. In fact, real progress in unraveling the mystery of electricity has come only within the last 250 years.

1:30-4 PM **Days:** We Th **Room:** Sinuefield Program Building **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Requirements - 2 & 8



LRSC28 Emergency Preparedness

Scouts are often called upon to help because they know first aid and they know about the discipline and planning needed to react to an emergency situation. Earning this merit badge helps a Scout to be prepared by learning the actions that can be helpful and needed before, during, and after an emergency.

This badge is required for Eagle.

1:30-4 PM **Days:** Mo Tu **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: #2c

LRSC7 Entrepreneurship/Salesmanship

By earning the Entrepreneurship merit badge, Scouts will learn about identifying opportunities, creating and evaluating business ideas, and exploring the feasibility (how doable it is) of an idea for a new business. They will also have the chance to fit everything together as they start and run their own business ventures.

By studying salesmanship, Scouts can learn self-confidence, motivation, friendliness, and the persistence necessary to overcome obstacles and solve problems. Sales can offer a challenging and rewarding career for those who enjoy interacting with people from all walks of life.

1:30-4 PM **Days:** Mo Tu **Room:** Trading Post **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
1:30-4 PM **Days:** We Th **Room:** Trading Post **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Cyber Chip is required

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LRSC56 Environmental Science

While earning the Environmental Science merit badge, Scouts will get a taste of what it is like to be an environmental scientist, making observations and carrying out experiments to investigate the natural world.

This badge is required for Eagle

9-11:30 AM **Days:** Mo Tu We Th **Room:** Fingland Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Cyber Chip Required



LRSC8 First Aid

First aid - caring for injured or ill persons until they can receive professional medical care - is an important skill for every Scout. With some knowledge of first aid, a Scout can provide immediate care and help to someone who is hurt or who becomes ill. First aid can help prevent infection and serious loss of blood. It could even save a limb or a life.

This badge is required for Eagle.

9-11:30 AM **Days:** Mo Tu **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
1:30-4 PM **Days:** We Th **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: #5a; #5b

LRSC13 Fish and Wildlife Management/Soil and Water Conservation

Wildlife management is the science and art of managing the wildlife - both animals and fish - with which we share our planet. Maintaining the proper balance and the dynamics that go with it requires humankind's attention. We use this stewardship tool to help minimize or eradicate the possibility of extinction of any given species. We want our descendants to have the opportunity to experience the same animal diversity that we now enjoy.

Conservation isn't just the responsibility of soil and plant scientists, hydrologists, wildlife managers, landowners, and the forest or mine owner alone. It is the duty of every person to learn more about the natural resources on which our lives depend so that we can help make sure that these resources are used intelligently and cared for properly.

9-11:30 AM **Days:** Mo Tu **Room:** Fingland Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Cyber Chip required



LRSC9 Fishing

In Scouting for Boys, Baden-Powell offers this advice: "Every Scout ought to be able to fish in order to get food for himself [or herself]. A tenderfoot [beginner] who starved on the bank of a river full of fish would look very silly, yet it might happen to one who had never learned to catch fish."

1:30-4 PM **Days:** We Th **Room:** Fishing Area **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Requirement - 9
Must have a valid Missouri Fishing License if a scout is 16 years of age or older

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LRSC20 Fly Fishing

Fly-fishing is a specialized form of fishing that combines skill and artistry. Because it is so rich with tradition, it is a passion for millions of people. The beauty of the water, the solitude, and the skills that the sport requires have made fly-fishing very important in the lives of many notable people.

9-11:30 AM **Days:** Mo Tu **Room:** Fishing Area **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Requirement - 11
 Must have a valid Missouri Fishing License if a scout is 16 years of age or older

LRSC60 Forestry, Mammal Study, Nature

Forestry - In working through the Forestry merit badge requirements, Scouts will explore the remarkable complexity of a forest and identify many species of trees and plants and the roles they play in a forest's life cycle. They will also discover some of the resources forests provide to humans and come to understand that people have a very large part to play in sustaining the health of forests.

Mammal Study - A mammal may weigh as little as 1/12 ounce, as do some shrews, or as much as 150 tons, like the blue whale. It may spring, waddle, swim, or even fly. But if it has milk for its young, has hair of some kind, is relatively intelligent, and has warm blood, then it is a mammal.

Nature - There is a very close connection between the soil, the plants, and all animal life, including people. Understanding this connection, and the impact we have upon it, is important to preserving the wilderness, as well as to our own well-being as members of the web of nature.

9-11:30 AM **Days:** Mo Tu We Th **Room:** Fingland Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC30 Game Design

Games also come in almost every shape, size, format, and flavor imaginable. Games can be fast-paced, slow, or anything in between. Some are competitive. Some are cooperative. They may be for individuals, small groups, or thousands of players at a time. They might take seconds to complete or last for years. However you slice it, everyone has played games, and games help make us who we are.

9-11:30 AM **Days:** Mo Tu **Room:** Sinquefield Invention Lab **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
 1:30-4 PM **Days:** We Th **Room:** Sinquefield Invention Lab **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Cyber Chip Required



LRSC45 Geocaching

The word geocache is a combination of "geo," which means "earth," and "cache," which means "a hiding place." Geocaching describes a hiding place on planet Earth - a hiding place you can find using a GPS unit. A GPS (Global Positioning System) unit is an electronic tool that shows you where to go based on information it gets from satellites in space.

1:30-4 PM **Days:** We Th **Room:** Show & Do Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: #8a; #8b; #8c; #8d; #9

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LRSC21 Geology/Mining in Society

Geology is the study of Earth. It includes the study of materials that make up Earth, the processes that change it, and the history of how things happened, including human civilization, which depends on natural materials for existence.

Mining has been an important part of our nation since the 19th century. Today, the industry employs 3 million Americans, directly and indirectly, and is a major contributor to the global mining landscape. This merit badge covers the history of mining, explores the status of mining in the 21st century, introduces Scouts to modern mining careers, and explores the all-important topic of mining safety.

9-11:30 AM **Days:** We Th **Room:** Fingland Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Cyber Chip Required



LRSC31 Indian Lore

Far different from the stereotypes or common images that are portrayed on film, on television, and in many books and stories, American Indians have many different cultures, languages, religions, styles of dress, and ways of life. To learn about these different groups is to take an exciting journey of discovery in which you will meet some of America's most fascinating peoples.

1:30-4 PM **Days:** Mo Tu **Room:** TePee **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC71 Insect Study

In earning the Insect Study merit badge, Scouts will glance into the strange and fascinating world of the insect. There, they will meet tiny creatures with tremendous strength and speed, see insects that undergo startling changes in habits and form as they grow, and learn how insects see, hear, taste, smell, and feel the world around them.

1:30-4 PM **Days:** We Th **Room:** Fingland Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: #9

LRSC82 Invention Scouts Ranger Program

Starting in LOTOSR Summer Camp 2021, the Invention Lab will be introducing the Invention Scout Start-Up and Invention Ranger programs. The Invention Scout Start-Up program will be for youth while the Invention Ranger program will be for adults. Both programs will be replacing the previous iLab and Adult iLab programs.

The previous iLab and Adult iLab classes were both excellent programs that exposed Scouts and Adults to cutting-edge equipment. The new Invention Scouts Start-Up and Invention Ranger programs will build upon the previous iLab program with more merit badge focused learning, leadership & entrepreneurship training, exposure to cutting-edge technology (big 4: laser engraving, 3D printing, CNC routing, & graphic design), & advancement within the Invention Scout program.

LOTOSR is the only camp in the Boy Scouts of America that offers Invention Scouts advancement. Invention Scouts has 4 ranks: Invention Scout, Apprentice, Journeyman, & Master. All attendees will automatically be Invention Scouts. Scouts and Adults can earn Invention Scout rank through the successful completion of the Invention Scout Start-Up and Invention Ranger program at summer camp.

The objective of the Startup and Ranger program is for Scouts and Adults to work in groups to develop a presentable idea. At the beginning of the week, Scouts and Adults will undergo a DISC Personality Assessment. They will then be split into groups based on what they scored on the DISC Assessment. For more information on the DISC Personality Test and why it is so effective for group learning, please go here: <https://www.discprofile.com/what-is-disc/overview/>. The first two days will be a mixture of brainstorming & merit badge/equipment instruction. The next two days will be more focused on producing an idea. And finally, on Friday afternoon, each group will present their ideas to a panel of judges. Upon a successful presentation, each participant will earn the rank of Apprentice and be presented with the

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badge.

The additional fee covers the cost of materials used during this program.

9-11:30 AM **Days:** Mo Tu We Th **Room:** Sinquefield Invention Lab **Instructor:** Dennis Kerns
Additional Fee: \$25.00
Minimum Age: 18
Maximum number of participants: 12
Sessions: All

LRSC81 Invention Scouts Startup Program

Starting in LOTOSR Summer Camp 2021, the Invention Lab will be introducing the Invention Scout Start-Up and Invention Ranger programs. The Invention Scout Start-Up program will be for youth while the Invention Ranger program will be for adults. Both programs will be replacing the previous iLab and Adult iLab programs.

The previous iLab and Adult iLab classes were both excellent programs that exposed Scouts and Adults to cutting-edge equipment. The new Invention Scouts Start-Up and Invention Ranger programs will build upon the previous iLab program with more merit badge focused learning, leadership & entrepreneurship training, exposure to cutting-edge technology (big 4: laser engraving, 3D printing, CNC routing, & graphic design), & advancement within the Invention Scout program.

LOTOSR is the only camp in the Boy Scouts of America that offers Invention Scouts advancement. Invention Scouts has 4 ranks: Invention Scout, Apprentice, Journeyman, & Master. All attendees will automatically be Invention Scouts. Scouts and Adults can earn Invention Scout rank through the successful completion of the Invention Scout Start-Up and Invention Ranger program at summer camp.

The objective of the Startup and Ranger program is for Scouts and Adults to work in groups to develop a presentable idea. At the beginning of the week, Scouts and Adults will undergo a DISC Personality Assessment. They will then be split into groups based on what they scored on the DISC Assessment. For more information on the DISC Personality Test and why it is so effective for group learning, please go here: <https://www.discprofile.com/what-is-disc/overview/>. The first two days will be a mixture of brainstorming & merit badge/equipment instruction. The next two days will be more focused on producing an idea. And finally, on Friday afternoon, each group will present their ideas to a panel of judges. Upon a successful presentation, each participant will earn the rank of Apprentice and be presented with the badge.

The additional fee covers the cost of materials used during this program.

1:30-4 PM **Days:** We Th **Room:** Sinquefield Invention Lab **Instructor:** Dennis Kerns
Additional Fee: \$25.00
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: Cyber Chip Required

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LRSC32 Jet Ski

The Jet Ski program is a fast, fun-filled program where scouts get to experience the Lake of the Ozarks while piloting a Jet Ski!

The additional fee covers the cost of fuel and jet ski maintenance.

1:30-4 PM **Days:** Mo Tu **Room:** Lakefront **Instructor:** Dennis Kerns
Additional Fee: \$50.00
Minimum Age: 14
Maximum number of participants: 5
Sessions: All

1:30-4 PM **Days:** We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Additional Fee: \$50.00
Minimum Age: 14
Maximum number of participants: 5
Sessions: All
Prerequisites: Must have a valid Boater's License to participate in this course.



LRSC77 Kayaking BSA

Kayaking BSA

9-11:30 AM **Days:** Fr **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum number of participants: 10
Sessions: All

LRSC33 Kayaking, BSA Stand Up Paddleboarding

A basic-level merit badge for flat-water kayaking - whitewater kayaking will still fall under Whitewater merit badge.

Stand Up Paddleboarding

9-11:30 AM **Days:** We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All

1:30-4 PM **Days:** Mo Tu **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All



LRSC88 Landscape Architecture

Landscape architects design and plan the various outdoor spaces in modern communities - neighborhood parks, soccer fields, school grounds, places of worship, office parks, shopping malls, cemeteries, and lakes - creating outdoor places that people will care about and want to visit.

4-5 PM **Days:** Mo Tu **Room:** Fingland Shelter **Instructor:** Dennis Kerns
Maximum number of participants: 20
Sessions: All

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LRSC10 Lifesaving

No Scout will ignore a plea for help. However, the desire to help is of little use unless one knows how to give the proper aid. The main purpose of the Lifesaving merit badge is to prepare Scouts to assist those involved in water accidents, teaching them the basic knowledge of rescue techniques, the skills to perform them, and the judgment to know when and how to act so that they can be prepared for emergencies.

This badge is required for Eagle

1:30-4 PM **Days:** Mo Tu **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All

1:30-4 PM **Days:** We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: Prerequisite - Requirement 2a



LRSC55 Metalwork

Scouts will begin their work on this merit badge by learning about the properties of metal, how to use simple metalworking tools, and the basic metalworking techniques. Then they will practice using these tools and techniques before concentrating on the more intricate skills of one of four metalworking options.

Please note that this course runs until 5:00

1:30-5 PM **Days:** Mo Tu **Room:** Sinquefield Metalworking Building **Instructor:** Dennis Kerns
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 8
Sessions: All

1:30-5 PM **Days:** We Th **Room:** Sinquefield Metalworking Building **Instructor:** Dennis Kerns
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 8
Sessions: All



LRSC57 Mile Swim BSA

To participate in Mile Swim BSA, you will need to complete all warm-up swims that are scheduled throughout the week at lunchtime. These warm-ups are designed to help you build up your tolerance through increasing distances in each swim while preparing for the Mile Swim that happens on Friday morning.

11:30-1:30 PM **Days:** Fr **Room:** Lakefront **Instructor:** Dennis Kerns
Sessions: All



LRSC34 Model Design and Building

Model making, the art of creating copies of objects that are either smaller or larger than the objects they represent, is not only an enjoyable and educational hobby: it is widely used in the professional world for such things as creating special effects for movies, developing plans for buildings, and designing automobiles and airplanes.

1:30-4 PM **Days:** Mo Tu **Room:** Sinquefield Program Building **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: Cyber Chip Required

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LRSC23 Motorboating

With the fun of operating a motorboat comes the responsibility for keeping that boat in first-class condition, knowing and obeying the nautical "rules of the road," and gaining the general knowledge and skills to operate a boat safely.

The additional fee covers the cost of fuel and boat maintenance.

9-11:30 AM **Days:** We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Additional Fee: \$15.00
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 6
Sessions: All
Prerequisites: Must have a valid Boater's License to participate in this course.

LRSC36 Moviemaking/Photography

Moviemaking includes the fundamentals of producing motion pictures, including the use of effective light, accurate focus, careful composition (or arrangement), and appropriate camera movement to tell stories. In earning the badge, Scouts will also learn to develop a story and describe other pre- and post-production processes necessary for making a quality motion picture.

Beyond capturing family memories, photography offers a chance to be creative. Many photographers use photography to express their creativity, using lighting, composition, depth, color, and content to make their photographs into more than snapshots. Good photographs tell us about a person, a news event, a product, a place, a scientific breakthrough, an endangered animal, or a time in history.

1:30-4 PM **Days:** Mo Tu **Room:** Sinuefield Invention Lab **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: Cyber Chip Required



LRSC73 OA Brotherhood

After 6 months of service as an Ordeal member and fulfilling certain requirements, an Order of the Arrow member may take part in the Brotherhood ceremony, which places further emphasis on the ideals of Scouting and the Order. Completion of this ceremony signifies full membership in the Order.

The fee for this course covers the cost of the Brotherhood Sash, Medallion, and Beads for Coup Thong.

9-11:30 AM **Days:** Mo Tu **Room:** TePee **Instructor:** Dennis Kerns
Additional Fee: \$25.00
Maximum number of participants: 12
Sessions: All
Prerequisites: Ordeal OA membership for a minimum of 6 months



LRSC78 OA Service Project

Join your fellow Arrowmen in providing cheerful service while you're at camp. You'll meet at the Tipi on Friday morning and will be directed to that week's project.

9-11:30 AM **Days:** Fr **Room:** TePee **Instructor:** Dennis Kerns
Sessions: All

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LRSC24 Orienteering

Orienteering, the use of map and compass to find locations and plan a journey, has been a vital skill for humans for thousands of years. Orienteering is also a recognized sport at the Olympic Games, and thousands of people participate in the sport each year in local clubs and competitions.

9-11:30 AM **Days:** We Th **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: #7a; #7b; #8a; #8b; #9; #10



LRSC84 Painting

This merit badge provides an opportunity for Scouts to learn more about painting, including both the artistic and practical aspects.

9-11:30 AM **Days:** Mo Tu **Room:** Sinquefield Program Building **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All

LRSC76 Paul Bunyan Woodsman

To encourage proper use of woods tools, training others in Totin' Chip skills, and creating a simple outdoor project using acquired woods tool skills.

9-11:30 AM **Days:** Fr **Room:** Show & Do Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Sessions: All
Prerequisites: 1.



LRSC51 Pioneering

Pioneering-the knowledge of ropes, knots, and splices along with the ability to build rustic structures by lashing together poles and spars-is among the oldest of Scouting's skills. Practicing rope use and completing projects with lashings also allow Scouts to connect with past generations, ancestors who used many of these skills as they sailed the open seas and lived in America's forests and prairies.

1:30-4 PM **Days:** Mo Tu We Th **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC75 Pistol

1:30-4 PM **Days:** We Th **Room:** Rifle Range **Instructor:** Dennis Kerns
Minimum Age: 13
Maximum number of participants: 4
Sessions: All
Prerequisites: AGE 13 AND COMPLETED THE 8th GRADE...no exceptions to this.
All participants MUST bring the signed hold harmless agreement AND participate in a 30-minute orientation program after arrival at camp in order to participate. Participants will also be required to complete an online survey after camp.

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LRSC47 Plant Science

Plant scientists use their curiosity and knowledge to develop questions about the world of plants. Then they try to answer those questions with further observations and experiments in the laboratory and in the field. To earn this merit badge, Scouts will explore three of the most important plant science specialties: agronomy, horticulture, and field botany.

1:30-4 PM

Days: Mo Tu **Room:** Finland Shelter **Instructor:** Dennis Kerns

Maximum Age: 17

Maximum number of participants: 20

Sessions: All



LRSC87 Pottery

The Pottery merit badge provides an introduction to pottery making, enabling Scouts to gain skill and understanding from actually creating pottery. Completing the requirements will include hands-on production of a work of art, from start to finish.

4-5 PM

Days: Mo Tu **Room:** Squirefield Invention Lab **Instructor:** Dennis Kerns

Maximum number of participants: 20

Sessions: All



LRSC62 Programming

Programming Merit Badge.

9-11:30 AM

Days: We Th **Room:** Squirefield Invention Lab **Instructor:** Dennis Kerns

Maximum Age: 17

Maximum number of participants: 12

Sessions: All

Prerequisites: Cyber Chip Required

LRSC63 Public Health, Public Speaking

The field of public health deals with maintaining and monitoring the health of communities, and with the detection, cure, and prevention of health risks and diseases. Although public health is generally seen as a community-oriented service, it actually starts with the individual. From a single individual to the family unit to the smallest isolated rural town to the worldwide global community, one person can influence the health of many.

A lot happens during the course of every person's life and your ability to communicate your feelings and ideas is the best way to connect to the larger world. Even if you haven't stood at a podium on the stage and find the whole idea scary, sooner or later, someone is going to ask you to get up and say a few words. If you are prepared, it won't be scary. It can even be fun.

1:30-4 PM

Days: Mo Tu **Room:** Squirefield Invention Lab **Instructor:** Dennis Kerns

Maximum Age: 17

Maximum number of participants: 20

Sessions: All

Prerequisites: Cyber Chip Required



LRSC64 Radio

Radio is a way to send information, or communications, from one place to another. Broadcasting includes both one-way radio (a person hears the information but can't reply) as well as two-way radio (where the same person can both receive and send messages).

1:30-4 PM

Days: We Th **Room:** Squirefield Invention Lab **Instructor:** Dennis Kerns

Maximum Age: 17

Maximum number of participants: 12

Sessions: All

Prerequisites: #7

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LRSC65 Rifle Shooting

Unless a rifle is handled incorrectly or recklessly, it is not dangerous. A rifle, like any other precision instrument, is manufactured to perform a specific task and can do so at no risk to the user or others. By earning this badge, Scouts can develop their shooting skills while learning safe practices.

9-11:30 AM **Days:** Mo Tu **Room:** Rifle Range **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All

9-11:30 AM **Days:** We Th **Room:** Rifle Range **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All



LRSC12 Rowing

Rowing is the use of oars as a means of propelling boats, has grown from a basic method of transportation to a competitive sport and an enjoyable method of exercising.

9-11:30 AM **Days:** Mo Tu **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All

1:30-4 PM **Days:** We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 8
Sessions: All



LRSC66 Scouting Heritage

Introduces boys to the history of the Boy Scouts of America. They'll learn it all - from Scouting's beginnings under Lord Baden-Powell to the history of their own troop.

1:30-4 PM **Days:** We Th **Room:** Show & Do Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All

LRSC38 Scuba BSA, Snorkeling BSA

Scuba BSA introduces qualified Scouts BSA Scouts to the special skills, equipment, and safety precautions associated with scuba diving; encourages aquatics activities that promote fitness and recreation; and provides a foundation for those who later will participate in the more advanced underwater activity.

Snorkeling BSA

The additional fee covers the cost of gear rental

1:30-4 PM **Days:** Mo Tu **Room:** Pool **Instructor:** Dennis Kerns
Additional Fee: \$50.00
Maximum Age: 17
Maximum number of participants: 12
Sessions: All



LRSC67 Search and Rescue

The process and safety methods of working around specialized teams such as aircraft, canine, and aquatic rescue teams. Identifying differences between search and rescue environments, such as coastal, wilderness, rural, and urban landscapes. Determining when Universal Transverse Mercator (UTM) and latitude and longitude (Lat/Lon) should be used.

1:30-4 PM **Days:** Mo Tu **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All

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LRSC39 Shotgun Shooting

A shotgun is a precision instrument, designed to shoot a shot charge in a specific pattern to cover a designated area at a certain distance. Unlike a rifle, the bore of the shotgun is not rifled, so the shot emerging from the muzzle is not spinning.

1:30-4 PM **Days:** Mo Tu **Room:** Rifle Range **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 6
Sessions: All



LRSC40 Signs, Signals, and Codes

American Sign Language (ASL) is the third most used language in the United States. The Signs, Signals, and Codes merit badge will cover Morse code, ASL, Braille, signaling, trail markings, and other nonverbal communications. Did you know that some of these have even saved people's lives?

1:30-4 PM **Days:** We Th **Room:** Fingland Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC52 Small-Boat Sailing

Sailing is one of the most enjoyable pastimes on the open water. The quiet and peacefulness of the water can provide a pleasant break from everyday life. However, smooth sailing requires paying careful attention to safety.

1:30-4 PM **Days:** Mo Tu We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 8
Sessions: All
Prerequisites: Must have a valid Boater's License to participate in this course.



LRSC14 Swimming/Instructional Swim

Swimming is a leisure activity, a competitive sport, and a basic survival skill. Scouts who earn this badge will learn about safety when swimming and diving, how swimming can contribute to overall fitness and health, and gain some basic competitive swimming skills.

Instructional Swim -- For scouts who are not yet skilled enough to participate in the Swimming merit badge, we also offer Instructional Swim during the same block. Swimming is scheduled in the same location the course is scheduled to take place at.

9-11:30 AM **Days:** Mo Tu **Room:** Pool **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All

9-11:30 AM **Days:** We Th **Room:** Pool **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All

1:30-4 PM **Days:** Mo Tu **Room:** Lakefront **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All

1:30-4 PM **Days:** We Th **Room:** Pool **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: Eagle Required

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LRSC53 Water Sports

Water sports are a fun and exhilarating way to enjoy being outdoors while developing strength, coordination, and fitness. By developing experience with water sports and practicing good judgment, Scouts will gain skills that will serve them well for a lifetime and have extreme fun while they do.

The additional fee covers the cost of fuel and boat maintenance.

9-11:30 AM **Days:** Mo Tu We Th **Room:** Lakefront **Instructor:** Dennis Kerns
Additional Fee: \$15.00
Maximum Age: 17
Maximum number of participants: 8
Sessions: All



LRSC68 Weather

Meteorology is the study of Earth's atmosphere and its weather and the ways in which temperature, wind, and moisture act together in the environment. In addition to learning how everyday weather is predicted, Scouts can learn about extreme weather such as thunderstorms, tornadoes, and hurricanes, and how to stay safe.

1:30-4 PM **Days:** We Th **Room:** Finland Shelter **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All



LRSC25 Welding

The new Welding badge and pamphlet was released by BSA, and Scouts could begin earning the badge on February 24, 2012.

9-11:30 AM **Days:** Mo Tu **Room:** Squirefield Metalworking Building **Instructor:** Dennis Kerns
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 4
Sessions: All

9-11:30 AM **Days:** We Th **Room:** Squirefield Metalworking Building **Instructor:** Dennis Kerns
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 4
Sessions: All

1:30-4 PM **Days:** Mo Tu **Room:** Squirefield Metalworking Building **Instructor:** Dennis Kerns
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 4
Sessions: All

1:30-4 PM **Days:** We Th **Room:** Squirefield Metalworking Building **Instructor:** Dennis Kerns
Minimum Age: 14
Maximum Age: 17
Maximum number of participants: 4
Sessions: All



LRSC15 Wilderness Survival

In their outdoor activities, Scouts learn to bring the clothing and gear they need, to make good plans, and do their best to manage any risks. But now and then, something unexpected happens. When things go wrong, the skills of wilderness survival can help make everything right again.

9-11:30 AM **Days:** Mo Tu **Room:** Outdoor Skills **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 20
Sessions: All
Prerequisites: #5

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LRSC69 Wood Carving

As with any art, wood carving involves learning the basics of design, along with material selection and tools and techniques, as well as wood-carving safety. The requirements of the Wood Carving merit badge introduce Scouts to an enjoyable hobby and that can become a lifetime activity.

9-11:30 AM **Days:** We Th **Room:** Sinquefield Program Building **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: #2a



LRSC70 Woodwork

Wood is an amazingly versatile, practical, yet beautiful material. A skilled craftsman can use wood to fashion just about anything. As a woodworker or carpenter, you will find no end of useful, valuable, and fun items you can make yourself, from wood.

9-11:30 AM **Days:** Mo Tu **Room:** Sinquefield Program Building **Instructor:** Dennis Kerns
Maximum Age: 17
Maximum number of participants: 12
Sessions: All
Prerequisites: Bring a copy of your Totin' Chip Requirement - 7