

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Astronomy

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: Requirements 5, 6, 9, & 10

Class Notes: This class meets every day

Basketry

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Class Notes: This class meets every day

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 himself while camping would have the confidence to meet life's other challenges, too.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Prerequisites: Participants should strive to complete 3, 4, 5, 7, 8, and 9a prior to camp. Certification from the unit leader to any previously completed requirements will be accepted.

Class Notes: This class meets every day

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. 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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Litchfield Lake

Instructor: Camp Staff

Prerequisites: Participants must be classified "Swimmers" prior to the first class session

Requirements 1 & 2

Review requirement 4a

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Climbing Tower/
Bouldering Wall

Instructor: Camp Staff

Prerequisites: Requirement 1

Additional Periods Offered: Instructional Block 09-10, Instructional Block 10-11

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Climbing Tower/
Bouldering Wall

Instructor: Camp Staff

Prerequisites: Requirement 1

Additional Periods Offered: Instructional Block 10-11, Instructional Block 11-12

Class Notes: This class meets every day

Cycling

Since 1911, hundreds of thousands of Scouts have made the most of their two-wheel adventures by earning the Cycling merit badge. Whether you just got your first bicycle or have been cycling for years, you will learn more about your bike and what it can do by working on the requirements for this badge.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Bike Barn

Instructor: Camp Staff

Prerequisites: Scouts may bring their own bicycle for use during the Merit Badge or the Out Trip ONLY. It must be left at the bike barn for the balance of the week.

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Prerequisites: Requirements 1, 6b, 6c, 8

Review 2a & 2b

Class Notes: This class meets every day

Engineering

Engineers use both science and technology to turn ideas into reality, devising all sorts of things, ranging from a tiny, low-cost battery for your cell phone to a gigantic dam across the mighty Yangtze River in China.

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: It is helpful to complete requirements 5 & 6 ahead of camp.

Prerequisite is requirement 4

Class Notes: This class meets every day

Entrepreneurship

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Ad Building

Instructor: Camp Staff

Prerequisites: Age 13 or First Class.

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Class Notes: This class meets every day

Fingerprinting

In earning the Fingerprinting merit badge, Scouts will learn about and use an important technique that is used by law enforcement officers, along with other materials like matching dental records and DNA sampling, to help identify amnesia victims, missing persons, abducted children, and others.

Day of Class: Mon, Tue, Wed, Thu, Fri

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Prerequisites: Requirements 1, 3a & 3b

Class Notes: This class meets every day

Fish and Wildlife Management

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Prerequisites: Requirement 8

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Prerequisites: Begin requirement 1 notebook prior to camp.

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: Requirement 7 & 8

Basic GPS skills

Orienteering MB recommended.

Min Age: 13

Class Notes: This class meets every day

Geology

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Class Notes: This class meets every day

Hiking

Hiking is a terrific way to keep your body and mind in top shape, both now and for a lifetime. Walking packs power into your legs and makes your heart and lungs healthy and strong. Exploring the outdoors challenges you with discoveries and new ideas. Your senses will improve as you use your eyes and ears to gather information along the way.

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: ONLY REQUIREMENTS 1, 2, 3, 4, and 7 ARE COVERED DURING THE WEEK. VERY FEW SCOUTS COMPLETE THIS MERIT BADGE AT CAMP.

Class Notes: This class meets every day

Kayaking

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

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Litchfield Lake

Prerequisites: Participants must be classified "Swimmers" prior to the first class session

Leatherwork

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Handicraft Shelter

Instructor: Camp Staff

Class Notes: This class meets every day

Lifesaving

No Boy 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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Swimming Pool

Instructor: Camp Staff

Prerequisites: Participants must be classified "Swimmers" prior to the first class session

Requirement 1a & 13

It is strongly recommended that a candidate complete Swimming Merit Badge before attempting.

Participants need to bring the following items that will get wet: swim trunks, shoes, socks, pants, belt, and a long-sleeve button-down shirt. (7e)

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Class Notes: This class meets on Monday, Tuesday, and Thursday

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Instructor: Camp Staff

Class Notes: This class meets every day

Motorboating

With the fun of operating a motor boat 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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Litchfield Lake

Instructor: Camp Staff

Prerequisites: Participants must be classified "Swimmers" prior to the first class session

Requirements 1, 2 & 4

Scouts will need to bring an adult swimmer to the lake while operating the motorboat.

There is an additional fee of \$8.00 to take this Merit Badge

Class Notes: This class meets every day

Oceanography

The oceans cover more than 70 percent of our planet and are the dominant feature of Earth. Wherever you live, the oceans influence the weather, the soil, the air, and the geography of your community. To study the oceans is to study Earth itself.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Class Notes: This class meets every day

Reptile and Amphibian Study

Boys always have been interested in snakes, turtles, lizards, and alligators, as well as frogs and salamanders. Developing knowledge about these captivating creatures leads to an appreciation for all native wildlife; understanding the life cycle of a reptile or amphibian and keeping one as a pet can be a good introduction to natural history; and knowing about venomous species can help Scouts to be prepared to help in case of an emergency.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Prerequisites: Requirement 8

Be familiar with requirements 1, 3, 5, 7, & 10

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Rifle Range

Instructor: Camp Staff

Prerequisites: NO PERSONAL FIRE ARMS OR AMMUNITION ARE TO BE BROUGHT TO CAMP.

Rifle "chits" are \$0.75 for 10 rounds, and may be purchased at the Trading Post.

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: Participants must be classified "Swimmers" prior to the first class session

Requirements 1 & 2

Class Notes: This class meets every day

Safety

Knowing about safety helps Scouts to make the right choices and to take the best actions to avoid accidents by making informed choices in their everyday activities and to respond appropriately during an emergency situation.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Handicraft Shelter

Instructor: Camp Staff

Prerequisites: Requirements 4 & 6

Class Notes: This class meets every day

Scouting Heritage

needs writeup

Day of Class: Mon, Tue, Wed, Thu, Fri

Class Notes: This class meets every day

Sculpture

This merit badge introduces Scouts to sculpture, an art form that allows an artist to express what he sees and feels by using these three dimensions by shaping materials such as clay, stone, metal, and wood.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Handicraft Shelter

Instructor: Camp Staff

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: Suggest completing requirement 5 before camp, bring along the certificate of completion.

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Instructor: Camp Staff

Prerequisites: NO PERSONAL FIRE ARMS OR AMMUNITION ARE TO BE BROUGHT TO CAMP.

Rifle "chits" are \$2.00 for 5 rounds, and may be purchased at the Trading Post.

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Litchfield Lake

Instructor: Camp Staff

Prerequisites: Participants must be classified "Swimmers" prior to the first class session

Requirements 1 & 2

Class Notes: This class meets every day

Soil and Water Conservation

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Class Notes: This class meets every day

Space Exploration

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: NO MOTORS SHOULD BE BROUGHT TO CAMP

Purchase motor tickets at the trading post.

Scouts may bring their own rocket to camp.

Class Notes: This class meets every day

Stand Up Paddleboarding

Requirements

1) Review the BSA Safety Afloat policy. Explain to your instructor how this applies to stand up paddleboarding.

2) Before fulfilling other requirements, successfully complete the BSA swimmer test: Jump feetfirst into water over the head in depth, level off, and begin swimming. Swim 75 yards in a strong manner using one or more of the following strokes: sidestroke, breaststroke, trudgen or crawl; then swim 25 yards using an easy, resting backstroke. The 100 yards must be completed in one swim without stops and must include one sharp turn. After completing the swim, rest by floating.

3) Explain safety considerations for stand up paddleboarding in the following environments: lake, moving water, whitewater, open ocean, ocean surf.

4) Review the characteristics of life jackets most appropriate for stand up paddleboarding and understand why one must always be worn while paddling. Then demonstrate how to select and fit a life jacket for stand up paddleboarding.

5) Describe the correct type of leash to wear in the appropriate water venues.

6) Name and point out:

1) The major parts of a stand up paddleboard

2) The parts of a paddle for stand up paddleboarding

7) Discuss:

1) The different types of stand up paddleboards

2) How to correctly size and hold a paddle for stand up paddleboarding

3) Using a properly outfitted stand up paddleboard, demonstrate the following:

4) How to safely carry a stand up paddleboard

5) How to safely paddle away from a dock or shoreline (on knees)

6) How to stand and balance on a board in the neutral position

7) How to appropriately fall off a board

8) How to remount the board

9) Forward stroke

10) Back stroke, Forward sweep, Reverse sweep, Draw stroke

11) One self-rescue technique-lay on your stomach and paddle with your hands

12) With supervision from your instructor, paddle a course that involves:

13) A straight line for 25 yards and stop within one board length

14) A figure 8

15) Moving abeam to the right 10 feet and to the left 10 feet

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: You must be a Swimmer to participate in this program

Swimming

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Swimming Pool

Instructor: Camp Staff

Prerequisites: Participants must be classified "Swimmers" prior to the first class session

Please research requirement 8 (2015) before coming to Camp.

Camp Manatoc will be utilizing the revised Swimming Merit Badge (2015) requirements for the 2014 season

Class Notes: Scouts must be classified a "Swimmer" prior to the first class session. This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri

Prerequisites: Research requirement 9 before camp.

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Scoutcraft

Instructor: Camp Staff

Prerequisites: Requirement 5

Class Notes: This class meets every day

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.

Day of Class: Mon, Tue, Wed, Thu, Fri **Room Number:** Handicraft Shelter

Instructor: Camp Staff

Prerequisites: Scouts must have a valid Totin' Chip card.

Class Notes: This class meets every day