



BOY SCOUTS
OF AMERICA®

2022 Skills and Trades Merit Badge Camp at Parker Class Catalog

Event Contacts

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Registration opens August 15, 2022
Visit www.scoutingevent.com/296-2022SkillsandTradesMB to register



BOY SCOUTS
OF AMERICA®
CENTRAL MINNESOTA COUNCIL



Class Catalog

2022 Skills and Trades Merit Badge Camp at Parker: Skills and Trades Merit Badge Weekend at Parker Scout Camp

Merit Badge - General use (Scheduled Classes)

MB113

Picnic shelter
Brian Menz
Days: Sa



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.

Maximum number of participants: 8

https://filestore.scouting.org/filestore/Merit_Badge_RegandRes/Automotive_Maintenance.pdf

Prerequisites: 2.h. Find out the requirements for your state's emissions and safety inspections (as applicable), including how often a vehicle needs to be inspected.

i. Explain the importance of registering a vehicle and find out the annual registration fee for renewing your family car's registration

11a. Determine the value of three different vehicles you are interested in purchasing. One must be new and one must be used; the third vehicle can be new or used. For each vehicle, find out the requirements and cost of automobile insurance to include basic liability and options for collision, comprehensive, towing, and rental car. Using the three vehicles you chose and with your merit badge counselor's assistance, complete the operation/maintenance chart provided in the merit badge pamphlet. Use this information to determine the operating cost per mile for each vehicle, and discuss what you learn with your counselor.

b. Choose a car cleaner and wax product for a vehicle you want to clean. Explain clear-coat paint and the precautions necessary for care. Clean the vehicle, both inside

and out, and wax the exterior. Use a vinyl and rubber protectant (on vinyl tops, rubber door seals, sidewalls, etc.) and explain the importance of this protectant.

d. Perform an oil filter and oil change on a vehicle. Explain how to properly dispose of the used oil and filter.

12. Find out about three career opportunities in the automotive industry. Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.

MB120

Dining Hall Main Hall
Jamie Stout
Days: Su



Chemistry

Chemistry explores how substances react with each other, how they change, how certain forces connect molecules, and how molecules are made are all parts of chemistry. Stretch your imagination to envision molecules that cannot be seen - but can be proven to exist - and you become a chemist.

Maximum number of participants: 12

https://filestore.scouting.org/filestore/merit_badge_reqandres/chemistry.pdf

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MB227

Administration Building
Jason Vos
Days: Sa



Chess

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

Maximum number of participants: 10

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/chess.pdf

Prerequisites: Bring your Blue Card and If you have a favorite Chess board, bring that too!

To complete the Merit Badge, you must play in the Chess Tournament on Saturday night, after campfire in the activity building (craft lodge). If you do not attend the tournament, you will be responsible to finish the requirements for the badge on your own.

MB123

Dining Hall-Conference Room
Samantha Lewis
Days: Fr



Citizenship in the Nation

Dual Class - Citizenship in the Nation (7pm) AND Citizenship in the World (8:15pm)

As Scouts fulfill the requirements for this merit badge, they will learn how to become active citizens 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.

Maximum number of participants: 8

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Citizenship_in_the_Nation.pdf

Prerequisites: Bring your Blue Card

3. Watch the national evening news five days in a row OR read the front page of a major daily newspaper five days in a row. Discuss the national issues you learned about with your counselor. Choose one of the issues and explain how it affects you and your family.

MB124

Dining Hall-Conference Room
Samantha Lewis
Days: Fr



Citizenship in the World

Dual Class - Citizenship in the World (8:15pm) AND Citizenship in the Nation (7pm)

Scouts who earn the Citizenship in the World merit badge will discover that they are already citizens of the world. How good a world citizen each person is depends on his willingness to understand and appreciate the values, traditions, and concerns of people in other countries.

Maximum number of participants: 8

https://filestore.scouting.org/filestore/merit_badge_reqandres/citizenship_in_the_world.pdf

Prerequisites: Bring your Blue Card

MB128

Dining Hall Main Hall
Jamie Stout
Days: Fr



Communication

This clear and concise definition comes from the U.S. Department of Education: "Communication focuses on how people use messages to generate meanings within and across various contexts, cultures, channels, and media. The field of communication promotes the effective and ethical practice of human communication."

Maximum number of participants: 15

https://filestore.scouting.org/filestore/merit_badge_reqandres/communication.pdf

Prerequisites: Please bring a prepared 5 minute speech to give during the merit badge time - one that has been previously given and notecards are allowed, but it must be original work, meaning prepared by the scout.

5. Attend a public meeting (city council, school board, debate) approved by your counselor where several points of view are given on a single issue. Practice active listening skills and take careful notes of each point of view. Prepare an objective report that includes all points of view that were expressed, and share this with your counselor.

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To be completed as prerequisite or after course completion

MB236

Dining Hall Main Hall
Eric Dietz
Days: Sa



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.

Maximum number of participants: 20

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Digital_Technology.pdf

Prerequisites: Bring proof of Cyber Chip

5.b. Using an internet search engine (with a parent or guardian's permission), find ideas from at least three different websites about how to conduct a troop court of honor or campfire program. Present the ideas to your counselor and explain how you used a search engine to find this information.

6. Recommended, but others can be chosen:

b. Using a word processor, write a draft letter to the parents of your troop's Scouts, inviting them to a troop event.

e. Using a digital device, take a picture of a troop activity. Send or transfer this image to a device where it can be shared with your counselor.

f. Make a digital recording of your voice, transfer the file to a different device, and have your counselor play back the recording.

MB246

Gun range
Jess Nelson-Rademacher
Days: Sa



DNR Firearm Safety Field Day

Complete your Minnesota DNR Firearm Safety with this field day at Parker Scout Camp! Finish your online training through the DNR website and complete your certification with this field day.

Maximum number of participants: 18

<https://www.dnr.state.mn.us/safety/firearms/index.html>

Prerequisites: MN DNR Firearm Safety Classroom or Online training:

<https://www.dnr.state.mn.us/safety/firearms/index.html>

Follow the link to this website and choose the "hybrid" option - you will be redirected to the registration for online learning site (\$25 fee). Bring proof of completion to be able to participate in this field day.

MB138

Administration Building
Jason Vos
Days: Fr



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.

Maximum number of participants: 10

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Electricity.pdf

Prerequisites: 2. Complete an electrical home safety inspection of your home, using the checklist found in this pamphlet or one approved by your counselor. Discuss what you find with your counselor

8. Make a floor plan wiring diagram of the lights, switches, and outlets for a room in your home. Show which fuse or circuit breaker protects each one.

9. Do the following:

a. Read an electric meter and, using your family's electric bill, determine the energy cost from the meter readings.

b. Discuss with your counselor five ways in which your family can conserve energy.

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- MB146**
Maintenance Shed
Robin Burton
Days: Fr
-  **Farm Mechanics**
From the mattock and hoe to the horse and mule, the cotton gin and reaper, the tractor and air seeder - this is the story of farm equipment. Today, most farms are mechanized and farmers can do most of their own maintenance work and make the adjustments needed on their many intricate farm implements.
Maximum number of participants: 10
https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Farm_Mechanics.pdf
Prerequisites: Wear Clothes you can get dirty in.
Print the workbook.
1.b. Draw a plan showing a well-equipped farm shop. Point out the shop's mandatory safety devices and features.
Be Prepared to discuss:
2. Explain how power is produced or transferred in a:
a. Diesel engine
b. Hydraulic system
c. Transmission or any other power system
5. Visit an implement dealer. Interview the dealer technician or service manager for hints on good preventive maintenance. Ask why it is important, the costs, and what causes wear or damage. Report what you learn.
7. Find out about three career opportunities in farm mechanics. Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.
- MB149**
Craft Lodge
Bob Milliman
Days: Fr
-  **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.
Maximum number of participants: 15
https://filestore.scouting.org/filestore/merit_badge_reqandres/first_aid.pdf
Prerequisites: Bring a First Aid Kit
- MB160**
Craft Lodge
Todd Bouma
Days: Sa
-  **Home Repairs**
Successfully completing this badge's requirements can lead to a lifetime of personal and financial rewards: Doing basic home repairs provides a sense of personal pride in one's achievements and increased self-confidence. In addition, safe and successful do-it-yourselfers can easily save a family thousands of dollars in repair bills over the years.
Maximum number of participants: 10
https://filestore.scouting.org/filestore/merit_badge_reqandres/home_repairs.pdf
Prerequisites: Prerequisites:
#3 - we will complete E and F, please complete one more at home. Bring photos of completed work.
#6 - we will complete D and F, please complete one more at home. Bring photos of completed work.
- MB163**
Picnic shelter
Samantha Lewis
Days: Su
-  **Insect Study**
Dual Class - Insect Study at 10am and Oceanography at 8:45am
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

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them.

Maximum number of participants: 10

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Insect_Study.pdf

MB179

Picnic shelter
Samantha Lewis
Days: Su



Oceanography

Dual Class - Oceanography at 8:45am and Insect Study at 10am

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.

Maximum number of participants: 10

https://filestore.scouting.org/filestore/merit_badge_reqandres/oceanography.pdf

MB182

Administration Building
Kim Erickson
Days: Sa



Personal Management

Personal management is about mapping a plan for your life that will involve setting short-range and long-range goals and investigating different ways to reach those goals. Education, training, and experience all help make your goals become a reality. To achieve your goals, you will choose the best path and make a commitment to it, while remaining flexible enough to deal with changes and new opportunities.

Maximum number of participants: 12

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Personal_Management.pdf

Prerequisites: Bring your Blue Card

Pre-reqs done prior to class.

1. 2. 8a,b. 9. 10.

MB184

Craft Lodge
Todd Bouma
Days: Sa



Photography

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.

Maximum number of participants: 10

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Photography.pdf

Prerequisites: Please bring your Blue Card

You will also need a digital camera (can be a cell phone camera if that is all you have). Please bring a copy of your Cyber Chip for your grade (signed note from Scoutmaster will do)

Please complete #7 - Virtual Story - and bring your posterboard to class to share (we can store these in the Dining Hall meeting room before and after class.

MB187

Maintenance Shed
Tim Watts
Days: Sa



Plumbing

Plumbing, including pipe fitting, is an important and well-paid occupation. The industry is quite broad. It covers installations and repairs in homes, commercial properties, and factories. Plumbing pipelines are used for water supply, waste drainage, natural-gas heating, and many other purposes.

Additional Fee: \$4.00

Maximum number of participants: 8

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Plumbing.pdf

Prerequisites: Print the workbook

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- MB234**
Dining Hall Main Hall
Eric Dietz
Days: Sa
- 
- Programming**
Programming Merit Badge.
Maximum number of participants: 20
https://filestore.scouting.org/filestore/merit_badge_reqandres/programming.pdf
Prerequisites: 1.a. Show your counselor your current, up-to-date Cyber Chip.
5. Bring (if possible, but not required) a Windows based laptop to complete the assigned programming project in class
- MB230**
Craft Lodge
Loren Meinke
Days: Su
- 
- Scouting Heritage**
Introduces youth 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.
Maximum number of participants: 20
https://filestore.scouting.org/filestore/merit_badge_reqandres/scouting_heritage.pdf
- MB235**
Dining Hall-Conference Room
Tim Oswald
Days: Sa
- 
- Sustainability**
Sustainability Merit Badge.
Maximum number of participants: 12
https://filestore.scouting.org/filestore/merit_badge_reqandres/sustainability.pdf
Prerequisites: 2.(a) Develop and implement a plan that attempts to reduce your family's water usage. As a family, discuss water usage. To aid in your discussion, if past water bills are available, you may choose to examine a few. As a family, choose three ways to help reduce water consumption. Implement those ideas for one month. Share what you learn with your counselor, and tell how you think your plan affected your family's water usage.
(a) Keep a log of the "stuff" your family purchases (excluding food items) for two weeks. In your log, categorize each purchase as an essential need (such as soap) or a desirable want (such as a DVD). Share what you learn with your counselor.
Energy (b) Develop and implement a plan to reduce the consumption of one of your family's household utilities that consume energy, such as gas appliances, electricity, heating systems, or cooling systems. Examine your family's bills for that utility reflecting usage for three months (past or current). As a family, choose three ways to help reduce consumption and be a better steward of this resource. Implement those ideas for one month. Share what you learn with your counselor, and tell how your plan affected your family's usage
- MB235**
Dining Hall-Conference Room
Tim Oswald
Days: Su
- 
- Sustainability**
Sustainability Merit Badge.
Maximum number of participants: 12
https://filestore.scouting.org/filestore/merit_badge_reqandres/sustainability.pdf
Prerequisites: 2.(a) Develop and implement a plan that attempts to reduce your family's water usage. As a family, discuss water usage. To aid in your discussion, if past water bills are available, you may choose to examine a few. As a family, choose three ways to help reduce water consumption. Implement those ideas for one month. Share what you learn with your counselor, and tell how you think your plan affected your family's water usage.
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MB213

Dining Hall-Conference Room
Jamie Stout
Days: Sa



Theater

While earning the Theater merit badge, Scouts will learn to appreciate live performances as members of the audience as well as go behind the footlights to see the view from the other side. Much more goes on in theater than ever meets the audience's eye.

Maximum number of participants: 10

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Theater.pdf

Prerequisites: 1. See or read three full-length plays.* Write a review of each.

Discuss with your counselor the plot or story. If you chose to watch the plays, comment on the acting and the staging

*Watching plays on television, video, or as a movie is not permitted

MB232

Maintenance Shed
Dustin Lof
Days: Su



Welding

Welding is an exciting and essential skill in our modern world. Scouts will learn safety and will practice several welding techniques. Welding can lead to an exciting career opportunity. Opportunities in the welding field are endless, and Scouts earning their welding merit badge can not only explore the fundamentals of welding, but also learn about the different career paths within the industry

Additional Fee: \$3.00

Maximum number of participants: 6

https://filestore.scouting.org/filestore/merit_badge_reqandres/welding.pdf

Prerequisites: Bring your Blue Card

Must wear denim jeans, leather boots, and 100% cotton long-sleeve shirt. No synthetic materials! If you are not dressed appropriately, you will not be able to practice the welds.

MB223

Maintenance Shed
Tim Watts
Days: Sa



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.

Additional Fee: \$10.00

Maximum number of participants: 8

https://filestore.scouting.org/filestore/Merit_Badge_ReqandRes/Woodwork.pdf

Prerequisites: Bring your Blue Card

Print the Worksheet

Bring your Totin' Chip and a First Aid Kit

Scouts will be working on something to bring home.

#7 -Talk with a cabinetmaker or finish carpenter. Learn about training, apprenticeships, career opportunities, work conditions, work hours, pay rates, and union organization that woodworking experts have in your area.