

BCMBC 2020 Requirements to Complete Merit Badges

Required for Every Merit Badge: Read the Pamphlet

Automotive Maintenance:

Requirement #11 Do TWO of the following:

a 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.

c Locate the manufacturer's jack. Use the jack to demonstrate how to engage the jack correctly on the vehicle, then change a tire correctly.

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

Citizenship in the Nation:

Requirement #3, signed off by parent. Will need to know the network and the lead story for each day.

Requirement #6, be prepared to discuss one of these 5 speeches using the requirement paragraph as a guide:

1. -- Franklin D. Roosevelt "Infamy speech"
2. -- Abraham Lincoln "Gettysburg Address"
3. -- Martin Luther King Jr. "I have a dream"
4. -- George W. Bush "Oval Office speech on 911"
5. -- Ronald Reagan "Tear down this wall speech"

Requirement #8 bring a copy of the letter or email that you sent to your Senator or Congressman and the date they sent it to them. Bring in your response if you received one.

Of course the Scouts should have reviewed all the other requirements in the booklet and have a good idea of what they will talk about for the "discussion" requirements.

Citizenship in the World:

Requirement #3 Do the following:

a Pick a current world event. In relation to this current event, discuss with your counselor how a country's national interest and its relationship with other countries might affect areas such as its security, its economy, its values, and the health of its citizens.

b Select a foreign country and discuss with your counselor how its geography, natural resources, and climate influence its economy and its global partnerships with other countries.

Requirement #7 Do TWO of the following (with your parent's permission) and share with your counselor what you have learned:

a Visit the web site of the U.S. State Department. Learn more about an issue you find interesting that is discussed on this web site.

b Visit the web site of an international news organization or foreign government, OR examine a foreign newspaper available at your local library, bookstore, or newsstand. Find

Collections:

Requirement #1 Prepare a short written report or outline for your counselor, giving a detailed description of your collection,* including a short history. Be sure to include why you chose that particular type of collecting and what you enjoy and have learned from your collection. *Stamp and coin collecting are excluded from eligibility for this merit badge.

Requirement #2 Explain the growth and development of your collection.

Requirement #5 Do the following:

- A. Discuss with your counselor at least 10 terms commonly used in your collection and be prepared to discuss the definition of each.
- B. Show your counselor any two groups from your collection. Explain how you organized your collection and why you chose that method. (Note: if your collection is too large to transport and your counselor is unable to view your collection directly, photographs should be available to share.)
- C. Explain how your collection is valued by other collectors and display to your counselor any price guides that may be available.
- D. Explain how your collection is graded for value, physical defects, size and age. Show the various classifications or ratings used in your collection.
- E. List the national, state, or local association responsive to your collection.
- F. Show the location of and explain to your counselor the identification number (if applicable), series, brand

name (if any), and any special identification marks.

Requirement #6 Discuss with your counselor the plans you have to continue with the collection in the future.

Communications:

Requirement #2 Do ONE of the following:

a Think of a creative way to describe yourself using, for example, a collage, short story or autobiography, drawing or series of photographs, or a song or skit. Using the aid you created, make a presentation to your counselor about yourself.

b Choose a concept, product, or service in which you have great confidence. Build a sales plan based on its good points. Try to persuade the counselor to agree with, use, or buy your concept, product or service. After your sales talk, discuss with your counselor how persuasive you were.

Requirement #3 Write a five-minute speech. Give it at a meeting of a group.

Requirement #4 Interview someone you know fairly well, like, or respect because of his or her position, talent, career, or life experiences. Listen actively to learn as much as you can about the person. Then prepare and deliver to your counselor an introduction of the person as though this person were to be a guest speaker, and include reasons why the audience would want to hear this person speak. Show how you would call to invite this person to speak.

Requirement #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.

Requirement #6 With your counselor's approval, develop a plan to teach a skill or inform someone about something. Prepare teaching aids for your plan. Carry out your plan. With your counselor, determine whether the person has learned what you intended.

Requirement #7 Do ONE of the following:

c Use desktop publishing to produce a newsletter, brochure, flier, or other printed material for your troop or crew, class at school, or other group. Include at least one article and one photograph or illustration.

Composite Materials: (safety glasses and gloves)

Requirement #5 Do the following:

a Use composite materials to complete two projects, at least one of which must come from the Composite Materials merit badge pamphlet. The second project may come from the pamphlet OR may be one you select on your own that has been approved by your counselor in advance.

Crime Prevention:

Requirement #2 Prepare a journal from various sources that address crime and crime prevention efforts in your community.

Requirement #3 Discuss the following with your counselor:

a The role of citizens, including youth, in crime prevention.

b Gangs and their impact on the community.

c When and how to report a crime.

Requirement #4 After doing EACH of the following, discuss with your counselor what you have learned.

a Inspect your neighborhood for opportunities that may lead to crime. Learn how to do a crime prevention survey.

b Using the checklist in this pamphlet, conduct a security survey of your home and discuss the results with your family.

Digital Technology:

Requirement #1 Show your counselor your current, up-to-date Cyber Chip. Earn the Cyber Chip: Earning the Cyber Chip can help you learn how to stay safe while you are online and using social networks or the latest electronic gadgets. Topics include cell phone use, texting, blogging, gaming, cyberbullying, and identity theft. Find out more about the Cyber Chip at <http://www.scouting.org/cyberchip>

Requirement #4 b Name four software programs or mobile apps you or your family use, and explain how each one helps you.

Energy:

Requirement #1 Do the following:

a With your parent's permission, use the internet to find a blog, podcast, website, or an article on the use or conservation of energy. Discuss with your counselor what details in the article were interesting to you, the questions it raises, and what ideas it addresses that you do not understand.

Requirement # 4 Conduct an energy audit of your home. Keep a 14 day log that records what you and your family did to reduce energy use. Include the following in your report and, after the 14-day period, discuss what you have learned with your counselor.

a List the types of energy used in your home such as electricity, wood, oil, liquid petroleum, and natural gas, and tell how each is delivered and measured, and the current cost; OR record the transportation fuel used, miles driven, miles per gallon, and trips using your family car or another vehicle.

b Describe ways you and your family can use energy resources more wisely. In preparing your discussion, consider the energy required for the things you do and use on a daily basis (cooking, showering, using lights, driving, watching TV, using the computer). Explain what is meant by sustainable energy sources. Explain how you can change your energy use through reuse and recycling.

Requirement #5 In a notebook, identify and describe five examples of energy waste in your school or community. Suggest in each case possible ways to reduce this waste. Describe the idea of trade-offs in energy use. In your response, do the following:

a Explain how the changes you suggest would lower costs, reduce pollution, or otherwise improve your community.

b Explain what changes to routines, habits, or convenience are necessary to reduce energy waste. Tell why people might resist the changes you suggest.

Engineering:

Requirement #1 Select a manufactured item in your home (such as a toy or an appliance) and, under adult supervision and with the approval of your counselor, investigate how and why it works as it does. Find out what sort of engineering activities were needed to create it. Discuss with your counselor what you learned and how you got the information.

Requirement #2 Select an engineering achievement that has had a major impact on society. Using resources such as the Internet (with your parent's permission), books, and magazines, find out about the engineers who made this engineering feat possible, the special obstacles they had to overcome, and how this achievement has influenced the world today. Tell your counselor what you learned.

Requirement #9 Find out about three career opportunities in engineering. Pick one and research the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.

Fire Safety:

Requirement # 6 Conduct a home safety survey with the help of an adult. Then do the following:

a Draw a home fire-escape plan, create a home fire-drill schedule, and conduct a home fire drill.

b Test a smoke alarm and demonstrate regular maintenance of a smoke alarm.

Programing:

Requirement #1 Safety. Do the following:

a Show your counselor your current, up-to-date Cyber Chip.

b Discuss first aid and prevention for potential injuries, such as eyestrain and repetitive stress injuries, that could occur during programming activities.

Scholarship:

Requirement #1 Do ONE of the following:

a Show that your school grades have been an average of B or higher (80 percent or higher) for one term or semester

b Show that for one term or semester you have improved your school grades over the previous period.

Requirement #3 Get a note from the principal* of your school (or another school official named by the principal) that states that during the past year your behavior, leadership, and service have been satisfactory.

Scouting Heritage:

Requirement #5 Learn about the history of your unit or Scouting in your area. Interview at least two people (one from the past and one from the present) associated with your troop. These individuals could be adult unit leaders, Scouts, troop committee members, or representatives of your troops chartered organization. Find out when your unit was originally chartered. Create a report of your findings on the history of your troop, and present it to your patrol or troop or at a court of honor, and then add it to the troop's library. This presentation could be in the form of an oral/written report, an exhibit, a scrapbook, or a computer presentation such as a slide show.

Requirement #6 Make a collection of some of your personal patches and other Scouting memorabilia. With their permission, you may include items borrowed from family members or friends who have been in Scouting in the past, or you may include photographs of these items. Show this collection to your counselor, and share what you have learned about items in the collection. (There is no requirement regarding how large or small this collection must be.)

Requirement #8 Interview at least three people (different from those you interviewed for requirement 5) over the age of 40 who were Scouts. Find out about their Scouting experiences. Ask about the impact that Scouting has had on their lives. Share what you learned with your counselor.

Surveying:

Requirement #1 Show that you know first aid for the types of injuries that could occur while surveying, including cuts, scratches, snakebite, insect stings, tick bites, heat and cold reactions, and dehydration. Explain to your counselor why a surveyor should be able to identify the poisonous plants and poisonous animals that are found in your area.

Traffic Safety:

Requirement #1 Do the following:

A. Describe the top 10 mistakes new drivers frequently make. Name the two items you are required by law to carry with

you whenever you operate a motor vehicle.

Requirement #4 c. Explain how color and shape are used to help road users recognize and understand the information presented on traffic and roadway signs. Explain the purpose of different types of signs, signals, and pavement markings.