

Piedmont District Merit Badge Midway 2017 (18 March 2017)

Merit Badge Classes and Preparation

This document is intended for scouts and leaders to review together. It covers a basic schedule and the prerequisites for all the classes being offered at the midway.

Merit Badge Midway Schedule

Door Open for Check In

7:30am Check in is in Cafeteria

8:30am Opening Ceremonies In Cafeteria

Morning Sessions

8:45am - 10:15am

10:30am- 12:00pm

Lunch

12:00pm - 12:30pm

Afternoon Sessions

12:45 - 2:15

2:30- 4:00

Merit Badge Preparation Requirements

Scouts:

Obtain and READ THE MERIT BADGE PAMPHLET completely for every class you are taking. You are expected to Be Prepared when you come to class and participate fully. Bring a notebook, paper, pencils and your merit badge pamphlet. Make sure you have your name and unit number on ALL materials you bring, including reports for your counselors.

Some merit badge counselors use the Internet to collect work, distribute worksheets via email or provide links to information or workbooks. If you do not have internet access, inform your scout leader so other arrangements can be made for you to contact the MBC.

The name of the principal Merit Badge Counselor (MBC) and contact information is listed for each class. If you have any questions about the class or the requirements please contact the MBC.

Some MBCs specify to use certain workbooks from <http://usscouts.org/mb/mbbooks.asp> or http://meritbadge.org/wiki/index.php/Merit_Badges . If the MBC does not identify a particular workbook to use, you may use your own notebook or download a workbook of your choice. It is important that all work be neat and legible.

Merit Badge Listing for 2017

AMERICAN CULTURES

MBC: Mrs. Annie Campeol

E-mail: anniepcamp@comcast.net

Choose THREE groups that have different racial, cultural, or ethnic backgrounds, One of which comes from your own background. Use these groups to meet requirements 1 and 2 and 3

Prerequisites

For requirements 1, 2, 3 & 4, prepare a summary report or notes, which you will share in class. For requirement #5, bring a signed note from your teacher or scout leader that you completed this requirement. If you have any questions, please contact the MBC.

ARCHITECTURE

MBC: Kanoa Ratliff

Email:kanoa_r@yahoo.com

Please read the merit badge pamphlet as it contains a lot of useful information in defining terms and providing an introduction to what we will be discussing at Merit Badge Midway. You may download the merit badge workbook as a place to keep track of your notes, but it is not necessary.

Prerequisites

1a and 3 must be completed outside of the class. Research requirements 1b and 5 prior to class and be ready, with notes, to discuss them during the class. Complete requirement 4 and bring it to the class.

Requirements

1. Do the Following

- a. Tour your community and list the different types of buildings you see. Try to identify buildings that can be associated with a specific period of history or style of architecture. Make a sketch of the building you most admire.
- b. Select an architectural 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 how this achievement has influenced the world today. Tell your counselor what you learned.

4. Measure a room such as one where you live or where your troop meets. Make an accurately scaled drawing of the room's floor plan showing walls, doors, closets, windows, and any built-in furniture or cabinets. Neatly label your drawing with the following: your name, the date, what room you drew, and the scale of the drawing. (Drawing scale: 1/4 inch = 1 foot)

5. Find out about three career opportunities in architecture. 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.

ART

Mr. George Brown

E-mail: graphicarts53@yahoo.com

Materials fee of \$5.00.

Be prepared to do requirements 1, 2, 3, 4, and 5 in class, an apron or smock may be desirable.

Prerequisites

6. Complete with your parent's permission and your counselor's approval, - Visit a museum, art exhibit, art gallery, artists' co-op, or artist's workshop. Find out about the art displayed or created there. Discuss what you learn with your counselor. And, complete

7. Find out about three career opportunities in art. 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.

Automotive Maintenance

MBC: Mr Rick Furnival

Email: rickfurnival@gmail.com

Print the Merit Badge Worksheet and fill out prerequisites BEFORE class.

Be prepared to do other requirements not listed below in class, but review of each topic before class is recommend. (Google: USE IT)

Prerequisites are listed below, as well. These must be done BEFORE the Midway.

This is a very comprehensive overview of Automobile Maintenance, and the more items within the worksheet you do before class, will ensure that we complete the requirements. I would appreciate it if all Scouts would work through the worksheets (all items) before class. We will cover everything, but it is not possible to complete this merit badge in the limited time allotted at the Midway. Also, this is my first time as a counselor for this Merit Badge, so I will be learning right along with the Scouts (as far as pacing of the class is concerned). Your patience will be appreciated.

Prerequisites:

Item 1 Safety: (a & b) Review this before class, fill out, and be prepared to answer the safety questions in class.

Item 2 General Maintenance, Safety, etc.: (g) Review before class, fill out, and be prepared to discuss during class.

Item 4 Tires: (a) Tire manufacturer specs vs. vehicle manufacturer specs

Research and explain differences, list in worksheet. (c) Watch these short videos --

<https://www.youtube.com/watch?v=jSFmUmVWBp0>

<https://www.youtube.com/watch?v=IUcZ63unEyU>

https://www.youtube.com/watch?v=83_GTZeuF6M

https://www.youtube.com/watch?v=83_GTZeuF6M (if time allows, we will review in class)

Item 7 Fuel Systems: watch this video --

https://www.youtube.com/watch?v=lr_TE3YB07k&t=32s Complete worksheet items (a & b)

Item 8 Ignition and Electrical Systems: watch this video --

<https://www.youtube.com/watch?v=1IZqsZq23pU&t=11s> (a) Draw a diagram of parts of a car's electrical system (Google is your friend) (b) Try to answer this before class.

Item 9 Drivetrain: (b) Manual vs. Automatic watch this video --

https://www.youtube.com/watch?v=lr_TE3YB07k&t=32s

Item 11 Do ONE of a, b, or c BEFORE class

We will do Item 11d in class so wear clothes that can get dirty

AVIATION 9:00 AM (All Day Program)

MBC: Mr. Jim McCabe

E-mail: sheriffav8r@gmail.com

Download worksheet from, [http://meritbadge.org/wiki/index.php/Merit_Badges]. The morning class is academics and the afternoon is a trip to an area airport so this is an all day class. Scouters/parents must provide transportation to maintain two-deep leadership. The trip is to Culpepper Airport. Please plan ahead regarding ride sharing to the field trip.

CITIZENSHIP IN THE NATION

MBC: Mr. Troy Hayes

E-mail: troy.hayes.99@gmail.com

Recommended Minimum Age: 13

Typically, this merit badge is taught by 2 or 3 counselors, so you may or may not be in my Class. However, I will be the grader for any work submitted prior to the class. In my class, we will spend the first session covering the history leading up to the Constitution and examine it's system of checks and balances. In the second session, we will focus on the Bill of Rights and Scouts will engage in a debate of some of the really interesting rights, such as 1,2,4,5,6,9, and 10. Class participation will earn you credit for requirements 1,4,5, and 7.

Prerequisites

2, 3, 6, and 8 are to be done outside of class.

The most successful strategy over the years has been to do 2,3,6, and 8 ahead of time so that you can actually complete the merit badge in class. Almost every Scout has to submit reports more than once.

THE MOST COMMON REASON FOR NOT GETTING A REPORT ACCEPTED ON THE FIRST TRY IS THE FAILURE TO READ ALL OF THE REQUIREMENTS AND DO WHAT IT SAYS.

For example, requirement 3 asks you to follow national issues for 5 days in a row. Therefore, if you skip a day, you have to start over. The thought is that you see how things change from day- to-day. Pick about 3 issues from each day and describe them in 2 or 3 sentences (more is OK). At the end of the 5 days, pick on of the issues and make it personal, that is, explain how it affects you and your family. A lot of Scouts forget to do this part of the requirement.

With regard to requirement 2a, there are over 85,000 places that are either a National Historic Landmark or on the National Register of Historic Places. An example is

Monticello, Jefferson's home in Charlottesville. The Internet is helpful in finding a suitable place to visit. Some people get confused with requirement 2b. To meet the requirement, you must visit the building (capitol), not the city (capital).

Requirement 2d uses the somewhat vague term "national monument." In my view, national monuments include all the National memorials, such as the Jefferson Memorial, Lincoln Memorial, and Washington Monument.

Make your submissions to me by e-mail (preferred). /electronic documents should be in Microsoft Word or a PDF file. Clearly identify your name and unit number. Each report should state the requirement number. After you think your report is acceptable, but before you submit it to me, re-read the requirement and verify that your report has answered each part of it.

In past years, Scouts have downloaded a workbook from the Internet. This has led to a lot of wasted paper. More importantly, the workbooks really add no value to the process. For the outside-of-class requirements, it's not complicated. Read the requirement and write a report that answers each part of the requirement. How long should your answer be? Long enough to adequately answer the question. This merit badge offers the opportunity for you to judge how much is enough. It's an important skill to develop.

Although the Internet will provide a lot of information, the single, best resource is the merit badge pamphlet. If you have questions, drop me an e-mail.

Citizenship In The World

MBC: Mr John Chierichella

Email: JCierichella@sheppardmullin.com

Requirements for Citizenship In The World Merit Badge

Requirement 3(a)

Pick a current event and be prepared to discuss how that event can affect a country's relationship with other countries in terms of security, values, health and economy.

Requirement 3(b)

Select a foreign country and be prepared to discuss how it's geography, climate and natural resources affect it's economy and its partnerships with other countries.

Requirement 5(c)

Bring a copy of a map of the world (which may be very basic) on which you have identified 5 countries that each use a different form of government (e.g., democracy, monarchy, republic, socialist, communist). Be prepared to discuss your map

Requirement 7

Do 2 of the following and be prepared to discuss them:

- (a) With parental permission, visit the U.S. State Department website. Pick an issue of interest to you and be prepared to discuss it, OR
- (b) With parental permission, visit the website of an international news organization or foreign government or foreign newspaper, and find a story about a human right that is recognized in America that is not recognized in another country, OR
- (c) Visit with a student or Scout from another country and discuss your different values, holidays, foods, and traditions, OR
- (d) Attend a Scout World Jamboree, OR
- (e) Participate or attend an international event in your area, such as an ethnic festival, concert or play.

CRIME PREVENTION

MBC: Mr. Robert Rice

E-mail: ricer1780@gmail.com

Download worksheet from, [http://meritbadge.org/wiki/index.php/Merit_Badges]. Read and study as required and complete requirements 2, 4, 5, 6, and 7 prior to class. For requirement 7, bring a note from your parent as to what you did. Be sure to bring your work to class to be reviewed. The remaining requirements will be done in class.

Prerequisites

2. Prepare a notebook of newspaper and other clippings that address crime and crime prevention efforts in your community
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
5. Teach your family or patrol members how to protect themselves from crime at home,

at school, in your community, and while traveling.

6. Help raise awareness about one school safety issue facing students by doing ONE of the following:

- a. Create a poster for display on a school bulletin board.
- b. With permission from school officials, create a pagelong public service announcement that could be read over the public address system at school or posted on the school's Web site.
- c. Make a presentation to a group such as a Cub Scout den that addresses the issue.

7. Do ONE of the following:

- a. Assist in the planning and organization of a crime prevention program in your community such as Neighborhood Watch, Community Watch, or Crime Stoppers. Explain how this program can benefit your neighborhood.
- b. With your parent's and counselor's approval, visit a jail or detention facility or a criminal court hearing. Discuss your experience with your counselor.

DIGITAL TECHNOLOGY

MBC: Mr. Doug Ray

E-mail: dougray@hughes.net

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

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

6. Do THREE of the following. For each project you complete, copy the files to a backup device and share the finished projects with your counselor.

- a. Using a spreadsheet or database program, develop a food budget for a patrol weekend campout OR create a troop roster that includes the name, rank, patrol, and telephone number of each Scout. Show your counselor that you can sort the roster by each of the following categories: rank, patrol, and alphabetically by name.

- b. Using a word processor, write a draft letter to the parents of your troop's Scouts, inviting them to a troop event.
- c. Using a graphics program, design and draw a campsite plan for your troop OR create a flier for an upcoming troop event, incorporating text and some type of visual such as a photograph or an illustration.
- d. Using a presentation software program, develop a report about a topic approved by your counselor. For your presentation, create at least five slides, with each one incorporating text and some type of visual such as a photograph or an illustration.
- e. Using a digital device, take a picture of a troop activity. Send or transfer this image to a device where the picture 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.
- g. Create a blog and use it as an online journal of your Scouting activities, including group discussions and meetings, campouts, and other events. Include at least five entries and two photographs or illustrations. Share your blog with your counselor. You need not post the blog to the Internet; however, if you choose to go live with your blog, you must first share it with your parents AND counselor AND get their approval.
- h. Create a Web page for your troop, patrol, school, or place of worship. Include at least three articles and two photographs or illustrations. Include at least one link to a website of interest to your audience. You need not post the page to the Internet; however, if you decide to do so, you must first share the Web page with your parents AND counselor AND get their approval.

9. Do ONE of the following:

- a. Investigate three career opportunities that involve digital technology. 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.
- b. Visit a business or an industrial facility that uses digital technology. Describe four ways digital technology is being used there. Share what you learned with your counselor.

ENGINEERING

MBC: Mr. Rick Reece

E-mail: rick.reece@vencore.com

Please download the requirements from <http://www.meritbadge.org/wiki/index.php/Engineering> or refer to a merit badge pamphlet dated 2009 or later. The web page has links for a worksheet and other resources that will be helpful in completing the MB requirements. It is required to come to the class with the prerequisites completed (written on paper) and participate in the discussions to be able to complete the MB at the class. Either download the worksheet and fill in the requirements that are designated as prerequisites or type your response on a word document to show your work, which will be collected in class. If it is handwritten, the work must be legible. Typed work will speed the process. Be sure to cover all parts of each requirement. If the requirement says choose two parts, identify which ones you are answering.

The counselor will randomly choose Scouts to make presentations on the two prerequisite requirements.

NOTE: this counselor will not be available to evaluate the prerequisites after the class; that is why they are called **PRE**requisites.

Our method for completing the requirements is as follows:

1. **Prerequisite** – choose an item that is non-trivial (a basic flashlight would be trivial – not acceptable, for example). Toaster, microwave oven or similar device is what you should be using. Be prepared to make a presentation to the class
2. Presentation by counselor.
3. Counselor-led discussion.
4. Counselor-led discussion.
5. We will do this in class together.
6. We will do this in class together.
7. Counselor-led discussion.
8. Counselor-led discussion.
9. **Prerequisite** – research, provide report to counselor, and be prepared to make presentation to the class.

FINGERPRINTING

MBC: Mr. Robert Rice

E-mail: ricer1780@gmail.com

Download worksheet from, [http://meritbadge.org/wiki/index.php/Merit_Badges].

Prerequisites

1. Give a short history of fingerprinting. Tell the difference between civil and criminal identification.

FIRE SAFETY

MBC: Mr. Martin Dove

E-mail: martindove42@gmail.com

Read the merit badge pamphlet and be prepared to discuss and demonstrate the requirements. Prepare with your scout leader or parents.

Download the workbook from, http://meritbadge.org/wiki/index.php/Merit_Badges

Prerequisite Work:

6. Conduct a Home Safety Survey and bring with you;

11. Visit a fire station and report who you visited, what equipment you saw, and its purpose in fire fighting and Find out about the fire prevention activities in your community;

12. Think of a field in fire safety, describe the level of education required and responsibilities of a person in that position. Tell why this position interests you (Bring your report with you).

First Aid Merit Badge

MBC: Mrs. Verna Mae Bretschneider

E-Mail: vernamae13@gmail.com

Material Fee of \$5.00

Limit: 16 students

Prerequisites:

OBTAIN and READ the the current First Aid Merit Badge Pamphlet (These requirements

were updated January 2015) Bring current pamphlet to class.

Requirement 2 d must be done at home and brought to class. Suggestion: Buy a plastic larger pencil box approximately 5 1/2" x 8 1/2" x 2" deep. These can often be found

at any office supply store, Target, Walmart, or Walgreens, etc. They make perfect first aid

boxes that are waterproof and can be slipped in your backpack for camping, hiking or

in a glove box in a car. A suggested First Aid list can be found in your First Aid Merit Badge

Pamphlet. Suggest adding a pair of tweezers and a sewing needle (for removing splinters)

All other requirements if scout comes prepared, can and will be completed in class.

GENEALOGY

MBC: Mr. Al Cline

E-mail: aloffsite@comcast.net

You need to obtain the Genealogy worksheet from the merit badge counselor as soon as possible to begin your work and have it ready for class; his address is posted above.

Pre-requisites

2. Do ONE of the following:

a. Create a time line for yourself or for a relative. Then write a short biography based on that time line.

b. Keep a journal for six weeks. You must write in it at least once a week.

4b. Obtain at least one genealogical document that supports an event that is or can be recorded on your pedigree chart or family group record. The document could be found at home or at a government office, religious organization, archive, or library

5. Contact ONE of the following individuals or institutions. Ask what genealogical services, records, or activities this individual or institution provides, and report the results:

a. A genealogical or lineage society

b. A professional genealogist (someone who gets paid for doing genealogical research)

c. A surname organization, such as your family's organization

d. A genealogical educational facility or institution

e. A genealogical record repository of any type (courthouse, genealogical library, state or national archive, state library, etc.)

6. . Begin your family tree by listing yourself and include at least two additional generations. You may complete this requirement by using the chart provided in this pamphlet or the genealogy software program of your choice.

7. Complete a family group record form, listing yourself and your brothers and sisters as the children. On another family group record form, show one of your parents and his or her brothers and sisters as the children. This requirement may be completed using the chart provided or the genealogy software program of your choice.

With your parent's help, contact a local library in order to complete Requirement #5.

GEOLOGY

MBC: Mr. Glen E. McClenny

E-mail: mmsoilglen@verizon.net

This is a complex merit badge so study the merit badge pamphlet carefully and record all your work neatly in a notebook. Get the workbook from http://meritbadge.org/wiki/index.php/Merit_Badges and you will need extra space to answer all the requirements. You may use reference books, field guides, and the Internet. Some helpful sites in addition to those in the MB book are: www.geology.com, www.rockhounds.com, www.rockngem.com, and www.earthmagazine.org. Make sketches and include drawings or photographs in your report to show your work. You will complete requirements 1, 2, 4(b), and 5(c) Mineral Resources Option. For requirement 5(c), do: (1), (2), (3)(a), and (4), in preparation for the class. Requirements 3 and (5)(b) will be done in class. Be prepared to discuss your work. An egg carton works great for collecting mineral and rock samples; include complete labels.

SCOUTING HERITAGE

MBC: Mr. Richard Baker

E-mail: rd_baker@comcast.net

Please read the merit badge pamphlet and download the merit badge worksheet from http://meritbadge.org/wiki/index.php/Merit_Badges. You must complete all the requirements and may choose what options you want to report about; requirement 3 will be done in class. If you have any questions, please contact the MBC.

WOODCARVING

MBC: Mr. Clay Hunton

E-mail: cdhunton@comcast.net

Materials fee of \$2.00.

YOU MUST HAVE earned TOTIN' CHIP card and have it with you. You will work on a

carving project in class. The MBC will provide wood. BRING: a SHARP pocketknife with a long and a short blade; a sharpening stone; a personal first aid kit (band-aids, antibiotic cream, etc). Please note: your pocket knife blade should be no longer than 2 1/2" long; you will use short blade the most. DO NOT go out and buy the suggested items, there should be enough to share in turn.

TOTIN' CHIP * (THIS IS NOT A MERIT BADGE!) *****

TBD

BRING: a pocketknife with a long and a short blade; a sharpening stone; a personal first aid kit (band-aids, antibiotic cream, etc). DO NOT open your knife anywhere at the Merit Badge Midway other than in your class under the instructor's direction. Please note: your pocket knife blade should be no longer than 2 1/2" long and it is NOT a toy and not to be played with. Bring your scout handbook for sign-off.

DEN CHIEF Training * (THIS IS NOT A MERIT BADGE!) *****

Instructors:

Annie Campeol anniepcamp@comcast.net

Candy Weitz candyweitz@gmail.com

Scouts who complete training this will be fully trained and able to wear the "trained" patch fulfill the training requirements for the Den Chief Awards for Cub Scout and Webelos Den Chief.

Prerequisite for this class is completion of Online Den Chief Training:

<http://www.scouting.org/Training/Youth/DenChiefTraining.aspx>

(about 45 minutes to complete – MUST BE DONE BEFORE THIS CLASSROOM TRAINING - bring completion certificate to class)

Merit Badge Counselor Training * Not A Merit Badge *****

Haven't taken your MBC training yet?? Come and take the class and get trained.