



MERIT BADGE PREREQUISITES:

It is important that you complete the prerequisites listed below before camp or you will receive a partial.

Animation MB

- 1 - Limited to 10 Scouts
- 2 - If you have a cell phone or tablet, bring it and download the app "Stop Motion Studio".
- 3 - Download and print the Animation Merit Badge Workbook – <http://usscouts.org/mb/worksheets/Animation.pdf>
- 4 - Complete Requirement 5: Careers. Learn about three career opportunities in animation. Pick one and find out about the education, training, and experience required for this profession. Discuss your findings with your counselor. Explain why this profession might interest you.
- 5 - Record your finding from requirement 5 in the Animation Workbook.
- 6 - If you have Lego people, please bring them.

Astronomy MB

- 1 - Download and print the merit badge workbook. <http://usscouts.org/mb/worksheets/astronomy.pdf>
- 2 - Please complete as much as the merit badge workbook as possible with the exception of 4 and 8b.
- 3 - Bring the workbook. It is a great source.
- 4 - Bring a notebook and a pen.
- 5 - Dress for cold weather. Bring a hat, gloves, very warm socks, warm jacket, scarf, etc. It is very easy to get cold while doing astronomy. We will be standing in one place most of the time.
- 6 - Download the "Astronomy Handout" from the registration page – it has important additional information.

Automotive Maintenance MB

- 1 - Bring paper and pencil/pen.
- 2 - Bring clothing that can get dirty while you are working in, around, and under a car.
- 3 - Bring the owner's manual to a family car with a plastic bag to put it in for protection.
- 4 - Bring a copy (NOT the original) of the car's current registration certificate.

Aviation MB

- 1 - Bring paper and pen
- 2 - Choose an aircraft of interest and do research to find out how it controls movement up/down/turning.
- 3 - Do the following two requirements. They must be completed and presented in either written or oral fashion.
 - 1(g) Identify and describe the aerodynamic control surfaces on the aircraft of your choice, and explain how they operate to control its attitude and direction of flight.
 - 5(d) Identify an Exploring Post and/or Civil Air Patrol facility in your area. Learn about their activities and membership requirements.

Geocaching MB

- 1 - Download and print the merit badge workbook. <http://usscouts.org/mb/worksheets/geocaching.pdf>
- 2 - Read all of the workbook prior to arrival.
- 3 - Complete Requirement 3 and 7 on the workbook.
- 4 - Notebook, paper and pens would be helpful.
- 5 - Have clothing appropriate to going out for a hike in March.
- 6 - If you have a cell phone with the geocaching app installed on it would be helpful.

Personal Management MB

- 1 – This merit badge will require work prior to camp and after camp to complete the badge.
- 2 - Download and print the merit badge workbook. <http://usscouts.org/mb/worksheets/personal-management.pdf>
- 3 - Bring your copy of the workbook and pen/pencil to take notes.
- 4 – Read through and familiarize yourself with all the requirements
- 5 - Complete requirements 1, 9, & 10, prior to coming to camp.
- 6 – You will need to complete requirements 2 & 8 after camp.

Photography MB

- 1 - Review the requirements and come ready to discuss all of them.
- 2 - Notebook and pen/pencil are always useful.
- 3 - Bring a digital camera and a way to edit and work with your photos. A modern cellphone works well for this. Otherwise, you will need a camera and a laptop.
- 4 - complete the following 2 requirements before the start of camp:
 - 1.(b) View the Personal Safety Awareness "Digital Safety" video available at <https://www.scouting.org/training/youth/scouts-bsa/> (with your parent or guardian's permission). Documentation for 1(b) should be in your Scout Book (signed off by your scoutmaster) or bring a note from your parent or guardian.
 8. Identify three career opportunities in photography. Pick one and be prepared to explain how to prepare for such a career and discuss what education and training are required, and why this profession might interest you. Bring anything you need to be able to remember, explain, and discuss your options for the requirement.

Pulp and Paper MB

- 1 - Obtain a copy of the merit badge book. It is recommended that you read it before camp.
- 2 - Download and print the Pulp and Paper Workbook. <http://usscouts.org/mb/worksheets/pulp-and-paper.pdf>
- 3 - Pulp and paper MB can be done without prerequisite, but it's easier if these are done:
- 4 - Complete in workbook Requirement #6: Make a list of 15 pulp or paper products found in your home. Share examples of 10 such products with your counselor.
- 5 - Complete in workbook Requirement #7: If you have an opportunity to visit a mill or factory prior to camp, that would be great. Be prepared to share your visit with the group. Otherwise you will do requirement 7e: Using books, magazines, your local library, the Internet (with your parent's permission), and any other suitable research tool, find out how paper products are developed. Find out what role research and development play in the papermaking industry. Share what you learn with your counselor.
- 6 - Bring pen, paper, and the workbook.

Space Exploration MB

- 1 –You are encouraged to bring the Space Exploration Merit Badge Pamphlet and/or Workbook if you have them and find them useful/helpful. <http://usscouts.org/mb/worksheets/Space-exploration.pdf>
- 2 – Read through all of the requirements
- 3 – Bring any work you completed independently.
- 4 - Complete and bring requirement #7
 7. Design an inhabited base located within our solar system, such as Titan, asteroids, or other locations that humans might want to explore in person. Make drawings or a model of your base. In your design, consider and plan for the following: (a) Source of energy, (b) How it will be constructed, (c) Life-support system, (d) Purpose and function.

Sustainability MB

- 1 - Read the 2024 updated requirements of the merit badge.
- 2 – Where a requirement has multiple options, decide which one(s) you wish to do and be prepared to share that with your counselor when he contacts you.
- 3 – Download and print the 2024 merit badge workbook. <http://usscouts.org/mb/worksheets/Sustainability.pdf>
- 4 - Bring drawing paper for outlines and graphs, pens, pencils, colored pencils, rulers, and definitely a notebook with all your information. Be sure to have your name on it!